

বাংলাদেশ ইউনিভার্সিটি অব প্রফেশনালস্
তিন বছর মেয়াদী বিএ/বিএসএস (পাস) প্রোগ্রাম
বিষয় : বাংলা (আবশ্যিক)
বিষয় কোড: ৩০১

মোট নম্বর : ১০০
ক্রেডিট : ৪

ক : সাহিত্য

নম্বর-৬০

১) নির্বাচিত কবিতা

নম্বর-২০

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| ক) মাইকেল মধুসূদন দত্ত | : আত্ম-বিলাপ |
| খ) রবীন্দ্রনাথ ঠাকুর | : ঐকতান |
| গ) কাজী নজরুল ইসলাম | : চৈতী হাওয়া |
| ঘ) জীবনানন্দ দাশ | : বনলতা সেন |
| ঙ) ফররুখ আহমদ | : ডালুক |
| চ) শামসুর রাহমান | : বার বার ফিরে আসে |
| ছ) আল মাহমুদ | : সোনালী কাবিন: ৫ |

২) নির্বাচিত প্রবন্ধ

নম্বর-২০

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| ক) বঙ্কিমচন্দ্র চট্টোপাধ্যায় | : বাঙ্গালা ভাষা |
| খ) হরপ্রসাদ শাস্ত্রী | : তৈল |
| গ) রবীন্দ্রনাথ ঠাকুর | : সভ্যতার সংকট |
| ঘ) কাজী আবদুল ওদুদ | : বাংলার জাগরণ |
| ঙ) কাজী নজরুল ইসলাম | : রাজবন্দীর জবানবন্দী |
| চ) মোতাহের হোসেন চৌধুরী | : সংস্কৃতি-কথা |
| ছ) বেগম রোকেয়া | : অর্ধাঙ্গী |

৩) নির্বাচিত গল্প

নম্বর-২০

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| ক) রবীন্দ্রনাথ ঠাকুর | : একরাত্রি |
| খ) বিভূতিভূষণ বন্দ্যোপাধ্যায় | : পুঁই মাচা |
| গ) আবুল মনসুর আহমদ | : ছুর কেবলা |
| ঘ) মানিক বন্দ্যোপাধ্যায় | : প্রাগৈতিহাসিক |
| ঙ) সৈয়দ ওয়ালীউল-হ | : নয়নচারা |
| চ) শামসুদ্দীন আবুল কালাম | : পথ জানা নাই |
| ছ) হাসান আজিজুল হক | : আত্মজা ও একটি করবী গাছ |

খ : ভাষা শিক্ষা

নম্বর-২০

- ১) পত্র রচনা : ব্যক্তিগতপত্র, দাফতরিকপত্র, ব্যবসায়-সংক্রান্ত পত্র, আবেদনপত্র ও মানপত্র
- ২) গদ্যরীতি : সাধু, চলিত ও আঞ্চলিক
- ৩) প্রমিত বাংলা বানানের নিয়ম (ন-ত্ব বিধান, ষ-ত্ব বিধান ও বিদেশী শব্দের বানান) (বাংলা একাডেমি, ঢাকা)
- ৪) অনুবাদ : ইংরেজি থেকে বাংলা
- ৫) সারসংক্ষেপ (কবিতা ও গদ্য)।
- ৬) অশুদ্ধি সংশোধন (বাক্য/শব্দ)।
- ৭) প্রায় সমোচ্চারিত ভিন্নার্থক শব্দ।
- ৮) সমার্থক-বিপরীতার্থক শব্দ।

গ: প্রবন্ধ/রচনা

নম্বর-২০

নিম্নলিখিত বিষয়াবলীর উপর প্রবন্ধ/রচনা :

- ১) বাংলাদেশের ইতিহাস, সাহিত্য ও সংস্কৃতি ।
- ২) জাতীয় জীবনে বিজ্ঞানের প্রভাব/অবদান ।
- ৩) আর্থ সামাজিক প্রেক্ষাপট ।
- ৪) পরিবেশ সংক্রান্ত বিষয়াবলী ।
- ৫) শিক্ষা সংক্রান্ত বিষয়াবলী ।
- ৬) বাংলাদেশ ও বিশ্বের সমসাময়িক বিষয়াবলী ।
- ৭) বাংলাদেশের প্রকৃতি ও বৈচিত্র, জীব বৈচিত্র ।
- ৮) নারীর ক্ষমতায়ন, আর্থ-সামাজিক উন্নয়নে নারীর অংশীদারিত্বমূলক অংশগ্রহণ ।

নোট

- ১। নির্বাচিত কবিতা হতে ১টি বড় প্রশ্ন ১৫ নম্বর এবং ১টি ছোট প্রশ্ন/ব্যাখ্যা ০৫ নম্বর ।
- ২। নির্বাচিত প্রবন্ধ হতে ১টি বড় প্রশ্ন ১৫ নম্বর এবং ১টি ছোট প্রশ্ন/ব্যাখ্যা ০৫ নম্বর ।
- ৩। নির্বাচিত গল্প হতে ১টি বড় প্রশ্ন ১৫ নম্বর এবং ১টি ছোট প্রশ্ন/ব্যাখ্যা ০৫ নম্বর ।

বইসমূহ :

- ১। উচ্চ মাধ্যমিক বাংলা সংকলন (অর্ধাঙ্গী), এনসিটিবি, ঢাকা ।
- ২। প্রবন্ধ সংগ্রহ (তৈল), ঢাকা বিশ্ববিদ্যালয় ।
- ৩। স্নাতক বাংলা জাতীয় ভাষা (অর্ধাঙ্গী ও তৈল ব্যতীত অন্যান্য), বাংলা সাহিত্য সম্পাদনা বিভাগ, জাতীয় বিশ্ববিদ্যালয় ।

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S. Programme
Subject: English (Compulsory)
Paper Code: 201

Marks : 100

Credits : 4

Aims and objective of this course: This course will be able to develop students' English language skills and will enable them to benefit personally and professionally. The four skills-listening, speaking, reading and writing will be integrated to encourage them to use the language effectively.

Contents:**Marks**

1. **Grammar** 25

- a) Word order of sentences.
- b) Tenses, articles, subject-verb agreement, verbs, phrasal verbs, conditionals, prepositions and prepositional phrases, infinitives, participles; gerunds. (Knowledge of grammar will be tested through contextualized passages).

2. **Reading and understanding.** 5x4=20

Students will be expected to read passages so that they might come across in their everyday life, such as newspapers, magazines, general books etc. Simple stories will also be included to give students a familiarity with different uses of the language.

[N.B. 5 Questions are to be answered. Each question will carry 4 marks. There may be division in each question]

- a) Understanding different purposes and types of readings
- b) Guessing word- meaning in context.
- c) Understanding long sentences
- d) Recognizing main idea and supporting ideas
- e) Answering comprehension questions
- f) Writing summaries

3. **Writing.** 35

- a) Writing correct sentences, completing sentences and combining sentences.
- b) Situational Writing: Posters, notices, slogans, memos, advertisements etc.
- c) Paragraph Writing: Structure of a paragraph; Brain storming to topic sentence; writing instructions; office order; developing ideas; writing a conclusion; types of paragraphs (narrative, descriptive, expository, persuasive); techniques of paragraph development arguments.
- d) Newspaper writing: Reports. Press release, Dialogue etc
- e) Writing resume, Curriculum Vitae (CV), Cover letter.
- f) Writing letters: Formal and Informal letters, letters to the editor, request letter, job applications, complaint letter writing e-mail etc.

RESTRICTED

g) Writing Essays : Generating ideas; outlining, Writing a Thesis sentence; writing the essay: writing introduction, Main text of the essay, writing conclusion.

4. **Developing Vocabulary:** Using the dictionary, suffixes, prefixes, synonyms, antonyms, changing word forms (from verb to noun etc.) and using them in sentences. 10

5. Translation from Bangla to English/English to Bangla. 10x1=10

Note:

* Writing dialogue and practice it orally students can develop their speaking skill. Dialogue writing can be an item in writing test.)

Books recommended:

1. Leech, G. & Svartvik, K.(1975, Reprint 1993), A communicative Grammar of English, Longman Singapore Publishers Ltd. Singapore
2. Swam, M. (1989), Practical English Usage, ELBS, Oxford University Press
3. Wren P.C. & Martin, H. (1936, Reprint 1995), High School English Grammar and Composition, S. Chand & Company Ltd. New Delhi India.

* Beside the mentioned books the students can use the books available in the market or referred by the teacher.

সীমিত
বাংলাদেশ ইউনিভার্সিটি অব প্রফেশনালস্
তিন বছর মেয়াদী বিএ/বিএসএস (পাস) প্রোগ্রাম
বিষয় : বাংলাদেশ স্টাডিজ
বিষয় কোড : ১০১

মোট নম্বর : ১০০
ক্রেডিট : ৪

- ১। দেশ ও জনগোষ্ঠীর পরিচয়
 - ক) ভূ প্রকৃতির বৈশিষ্ট্য ও প্রভাব
 - খ) নৃতাত্ত্বিক গঠন
 - গ) ভাষা
- ২। উপনিবেশিক শাসন ও স্বাধীন বাংলা রাষ্ট্র গঠনের প্রয়াস
 - ক) উপনিবেশিক শাসন ব্যবস্থা (পুর্তগীজ শাসন, ডাচ শাসন, ফরাসী শাসন ব্রিটিশ শাসন)
 - খ) বাংলাদেশের অর্থনীতি, সমাজ ও সাংস্কৃতিক অঙ্গনে উপনিবেশিক শাসন ব্যবস্থার প্রভাব
 - গ) উপনিবেশিক শাসন আমলে সাম্প্রদায়িকতার উদ্ভব ও বিস্তার
 - ঘ) লাহোর প্রস্তাব, ১৯৪০
 - ঙ) অখন্ড স্বাধীন বাংলা রাষ্ট্র গঠনের উদ্যোগ, ১৯৪৭ ও পরিণতি
 - চ) পাকিস্তান সৃষ্টি, ১৯৪৭
- ৩। পাকিস্তান: রাষ্ট্রীয় কাঠামো ও বৈষম্য
 - ক) কেন্দ্রীয় ও প্রাদেশিক কাঠামো
 - খ) সামরিক ও বেসামরিক আমলাতন্ত্রের প্রভাব
 - গ) অর্থনৈতিক, সামাজিক ও সাংস্কৃতিক বৈষম্য
- ৪। ভাষা আন্দোলন ও বাঙালির আত্মপরিচয় প্রতিষ্ঠা
 - ক) মুসলিম লীগের শাসন ও গণতান্ত্রিক রাজনীতির সংগ্রাম
 - খ) আওয়ামী লীগের প্রতিষ্ঠা, ১৯৪৯
 - গ) ভাষা আন্দোলন: পটভূমি ও ঘটনা প্রবাহ
 - ঘ) হক-ভাসানী-সোহরাওয়ার্দীর যুক্তফ্রন্ট, ১৯৫৪ সালের নির্বাচন ও পরিণতি
- ৫। সামরিক শাসন: আইয়ুব খান ও ইয়াহিয়া খানের শাসনামল (১৯৫৮-৭১)
 - ক) সামরিক শাসনের সংজ্ঞা ও বৈশিষ্ট্য
 - খ) আইয়ুব খানের ক্ষমতা দখল ও শাসনের বৈশিষ্ট্য (রাজনৈতিক নিপীড়ন, মৌলিক গণতন্ত্র, ধর্মের রাজনৈতিক ব্যবহার)
 - গ) আইয়ুব খানের পতন ও ইয়াহিয়া খানের শাসন, এক ইউনিট বিলুপ্তিকরণ, সার্বজনীন ভোটাধিকার, এলএফও (Legal Framework Order)
- ৬। জাতীয়তাবাদের বিকাশ ও স্বাধিকার আন্দোলন
 - ক) সংস্কৃতির সময়বোধবাদিতা ও ধর্মীয় সহনশীলতা
 - খ) অভিন্ন বাংলার পরিপ্রেক্ষিতে তৎকালীন পূর্ববঙ্গ ও বর্তমান বাংলাদেশের স্বকীয় সত্তা
 - গ) সাংস্কৃতিক আত্মসনের বিরুদ্ধে প্রতিরোধ ও বাঙালি সংস্কৃতির উজ্জীবন
 - ঘ) শেখ মুজিবুর রহমানের ৬-দফা আন্দোলন
 - ঙ) ৬-দফা আন্দোলনের প্রতিক্রিয়া, গুরুত্ব ও তাৎপর্য
 - চ) আগরতলা মামলা, ১৯৬৮
- ৭। ১৯৬৯-এর গণঅভ্যুত্থান ও ১১-দফা আন্দোলন

ক) পটভূমি

খ) আন্দোলনের কর্মসূচী, গুরুত্ব ও পরিণতি

৮। ১৯৭০ এর নির্বাচন, অসহযোগ আন্দোলন ও বঙ্গবন্ধুর স্বাধীনতা ঘোষণা

ক) নির্বাচনের ফলাফল এবং তা মেনে নিতে কেন্দ্রের অস্বীকৃতি

খ) অসহযোগ আন্দোলন, বঙ্গবন্ধুর এই মার্চের ভাষণ, অপারেশন সার্চলাইট

গ) বঙ্গবন্ধুর স্বাধীনতা ঘোষণা ও হেফতার

৯। মুক্তিযুদ্ধ ১৯৭১ ও স্বাধীন বাংলাদেশের সূচনা পর্ব

ক) গণহত্যা, নারী নির্যাতন, শরণার্থী

খ) বাংলাদেশ সরকার গঠন, স্বাধীনতার ঘোষণাপত্র ও স্বাধীনতা নেতৃত্ব

গ) স্বতঃস্ফূর্ত প্রাথমিক প্রতিরোধ ও সংগঠিত প্রতিরোধ (মুক্তিফৌজ, মুক্তিবাহিনী, গেরিলা ও সম্মুখ যুদ্ধ)

ঘ) মুক্তিযুদ্ধে প্রচার মাধ্যম (স্বাধীন বাংলা বেতার কেন্দ্র, বিদেশী প্রচার মাধ্যম ও জনমত গঠন)

ঙ) ছাত্র, নারী ও সাধারণ মানুষের অবদান (গণযুদ্ধ)

চ) মুক্তিযুদ্ধে প্রবাসী বাঙালী ও বিভিন্ন আন্তর্জাতিক সম্প্রদায় ও রাষ্ট্রের অবদান

ছ) দখলদার বাহিনী, শান্তিকমিটি, আলবদর, আলশামস, রাজাকার বাহিনী, রাজনৈতিক দল ও দেশীয়

অন্যান্য সহযোগীদের স্বাধীনতার বিরোধী কর্মকাণ্ড ও বুদ্ধিজীবী হত্যা

জ) যৌথ বাহিনী গঠন ও বিজয়

ঝ) বঙ্গবন্ধু শেখ মুজিবুর রহমানের শাসনকাল, ১৯৭২-১৯৭৫

১০। সমসাময়িক বাংলাদেশের সামাজিক ও অর্থনৈতিক পরিবর্তন

ক) পরিবর্তনশীল বাংলাদেশের সমাজ কাঠামো

খ) সামাজিক স্তর বিন্যাস

গ) বাংলাদেশের অর্থনীতি ও উন্নয়ন

ঘ) বাংলাদেশের শিক্ষা ব্যবস্থা

ঙ) বাংলাদেশের স্বাস্থ্য ব্যবস্থা

চ) বাংলাদেশের রাজনৈতিক উন্নয়ন

ছ) স্থানান্তর ও নগরায়ন

জ) জলবায়ু পরিবর্তন ও পরিবেশ বিপর্যয়

সহায়ক গ্রন্থ:

১. নীহার রঞ্জন রায়, বাঙালীর ইতিহাস, দে' জ পাবলিশিং, কলকাতা ১৪০২ সাল।
২. সালাহ উদ্দিন আহমেদ ও অন্যান্য (সম্পাদিত), বাংলাদেশের মুক্তি সংগ্রামের ইতিহাস ১৯৪৭-১৯৭১, আগামী প্রকাশনী, ঢাকা ২০০২।
৩. সিরাজুল ইসলাম (সম্পাদিত), বাংলাদেশের ইতিহাস ১৭০৪-১৯৭১, ৩ খন্ড, এশিয়াটিক সোসাইটি অব বাংলাদেশ, ঢাকা ১৯৯২।
৪. ড. হারুন-অর-রশিদ, বাঙালির রাষ্ট্রচিন্তা ও স্বাধীন বাংলাদেশের অভ্যুদয়, আগামী প্রকাশনী, ঢাকা ২০০৩।
৫. ড. হারুন-অর-রশিদ, বঙ্গবন্ধুর অসমাপ্ত আত্মজীবনী পুনর্পাঠ, দি ইউনিভার্সিটি প্রেস লিমিটেড, ঢাকা ২০১৩।
৬. আবুল মাল আবদুল মুহিত, বাংলাদেশ: জাতিরাষ্ট্রের উদ্ভব, সাহিত্য প্রকাশ, ঢাকা ২০০০।
৭. শেখ মুজিবুর রহমান, অসমাপ্ত আত্মজীবনী, দি ইউনিভার্সিটি প্রেস লিমিটেড, ঢাকা ২০১২।
৮. Rounaq Jahan, Pakistan: Failure in National Integration, The University Press Limited, Dhaka 1977.
৯. Talukder Maniruzzaman, Radical Politics and the Emergence of Bangladesh, Mowla, Brothers, Dhaka 2003.
১০. Khan, Akbar Ali. Discovery of Bangladesh: Explorations into Dynamics of a Hidden Nation. Dhaka University Press Ltd.
১১. Sarkar, Jadunath. 1948. The History of Bangladesh (Vol 2). Dhaka: Global Printers
১২. Phillips, Douglas A. and Gritzner, Charles F. 2007. Bangladesh. New York: Chelsea House Publishers
১৩. Willem Van Schendel. 2009. A History of Bangladesh. New Delhi: Cambridge University Press.

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: History (1st Paper)
Paper Code: 111

Paper Title: History of Bengal (from ancient times to 1204 A.D)

Marks : 100
Credits : 4

1. **Geographical features of Bengal:** Location and influence, Ancient Janapadas.
2. **Sources:** History of written sources, archeological evidences, copper plates, coins.
3. Sasanka
4. **Pala rule in Bengal:** Gopala, Dharmapala and Devapala, Mahipala-I, Mahipala-II, Ramapala and the Fall of the Pala Empire.
5. **Sena rule in Baengal:** Vijayasena, Ballal Sena and Lakhsmana Sena
6. Deva & Chandra Dynasties.
7. Administrative system in ancient Bengal.

Books Recommended :

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|-----|------------------------|---|--|
| 1. | D.C. Sircar | : | <i>Select Inscriptions Bearing on Indian History and Culture</i> |
| 2. | R.C. Majumder | : | <i>History of Bengal, Vol. 1</i> |
| 3. | R.C. Majumder | : | <i>History of Ancient Bengal</i> |
| 4. | A.M. Chowdhury | : | <i>Dynastic History of Bengal</i> |
| 5. | B.C. Sen | : | <i>Some Historical Aspects of the Inscriptions of Bengal</i> |
| 6. | N.G. Majumdar (ed) | : | <i>Inscriptions of Bengal, Vol. III</i> |
| 8. | A.K. Maitrya | : | <i>Gaudalekhamala</i> |
| 9. | Shahanara Husain | : | <i>Everyday Life in the Pala Empire</i> |
| | | : | <i>History of Ancient Bengal: Selected Essays on State, Society and Culture.</i> |
| 10. | আর ডি ব্যানার্জী | : | বাংলার ইতিহাস, ১ম খন্ড |
| 11. | নীহাররঞ্জন রায় | : | বাঙ্গালীর ইতিহাস (আদিপর্ব) |
| 12. | আব্দুল মমিন চৌধুরী | : | প্রাচীন বাংলার ইতিহাস ও সংস্কৃতি |
| 13. | আব্দুর রহিম ও অন্যান্য | : | বাংলাদেশের ইতিহাস |
| 14. | শাহানারা হোসেন | : | প্রাচীন বাংলার ইতিহাস |

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: History (2nd Paper)
Paper Code: 112

Paper Title: History of South Asia 1526-1757

Marks: 100
Credits : 4

1. Sources of Mughal History
2. Conditions of the sub-continent on the eve of the Mughal conquest
3. **Mughal and Afghan Rule:**
 - (a) Mughal-Afghan conflicts;
 - (b) **Babur:** battles of Panipath and the foundation of Mughal rule;
 - (c) **Humayun:** his difficulties on accession and Mughal-Afghan conflicts for supremacy, defeat of Humayun;
 - (d) **Sher Shah:** founder of the second Afghan empire and his reforms;
 - (e) **Akbar:** conquest, land revenue systems, religious policy. Rajput policy, Mansabadari system;
 - (f) **Jahangir:** influence of Nur Jahan, rebellion of Khurram and MahabatKhan;
 - (g) **Shah Jahan:** Deccan and Central Asian policy, administration, zenith of Mughal empire;
 - (h) **Aurangzeb:** deccan and religious policy.
4. Central and provincial administration, social and economic condition, literature, art and architecture under the Mughals.
5. Causes of the downfall of the Mughal empire.
6. The coming of the European trading companies
7. Anglo-French rivalry in the Deccan, causes of French failure and English success.
8. Battle of Palasy and Ascendancy of Robert Clive.

Books Recommended:

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|--------------------|---|--|
| 1. Ishwari Prashad | : | <i>A Short History of Muslim Rule in India</i> |
| 2. R. P. Tripathi | : | <i>Rise and Fall of the Mughal Rule</i> |
| 3. J. N. Sarkar | : | <i>Fall of the Mughal Empire</i> |
| 4. R. P. Tripathi | : | <i>Some Aspects of Muslim Administration</i> |
| 5. S. R. Sharma | : | <i>Religious Policy of the Mughal Empire</i> |

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| 6. R. C. Majumdar (ed) | : | <i>The History and Culture of Indian People</i> (vol. VIII). <i>The Mughal Empire</i> and also vol.9, part I |
| 7. R. C. Majumdar | : | <i>The Sepoy Mutiny and the Revolt of 1857</i> |
| 8. P. E. Roberts | : | <i>History of British India</i> |
| 9. P. Spear | : | <i>Oxford History of Modern India</i> |
| 10. Vincent Smith | : | <i>Oxford History of India</i> |
| 11. R. C. Majumdar H. C. Ray Chowdhury Kalikandar Dutta | : | <i>Advanced History of India</i> |
| 12. অতুল চন্দ্র রায় ও প্রণব কুমার চট্টোপাধ্যায় | : | ভারতের ইতিহাস |
| ১১. আব্দুল করিম | : | ভারতীয় উপমহাদেশের মুসলিম শাসন ব্যবস্থার ইতিহাস |
| ১২. প্রণব কুমার চট্টোপাধ্যায় | : | ভারতের ইতিহাস |
| ১৩. এস ওয়াজেদ আলি | : | আকবরের রাষ্ট্রসংস্কার |
| ১৪. আবদুল করিম | : | ভারতের উপমহাদেশে মুসলিম শাসন |

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: History (3rd Paper)
Paper Code: 211

Paper Title: History of Bengal (1204-1765)

Marks : 100
Credits : 4

1. Sources of the History of Medieval Bengal.
2. Bakhtiyar Khilji and Ascendancy of Independent Sultans.
 - (a) Invasion of Bakhtiyar Khilji
 - (b) Fall of Sena Dynasty
 - (c) Shamsuddin Elias Shah & Rule of Independent Sultans\
3. Important Sultans.
 - (a) Alauddin Hussain Shah: Conquest, Growth & Development of Art & Literature, Expansion of New Religion, Achievement of Alauddin Hussain Shah.
 - (b) Nusrat Shah.
4. Religions and Cultural Life in Sultani Period.
5. The Mughal invasion:
 - (a) Conflict with Bara Bhuiyas and establishment of Capital in Dhaka.
 - (b) Mir Jumla & Shayista Khan
6. Dewan and Subedar Murshid Kuli Khan:
 - (a) Revenue System (1700-1727)
 - (b) Nawab Alibardi Khan and Nawab Sirajuddowla
 - (i) Administrative System of Alibardi Khan
 - (ii) Conflict with the Marathas
 - (iii) Nawab Sirajuddowla and internal Conspiracy
7. Battle of Palashy & its Impact
 - (a) Causes
 - (b) Nature of the War and Black hole Incident
 - (c) Defeat of Sirajuddowla and its Impact.
8. Coming of European Merchants
9. Battle of Boxer
10. Acquisition of Dewani by the East India Company and the Dual Administration.

Recommended Books:

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|----|--------------------------|---|---|
| 1. | Sir Jadunath Sarkar (ed) | : | <i>The History Bengal, Vol. II</i> |
| 2. | A.Karim | : | <i>Murshid Quli Khan and His Times.</i> |
| 3. | J.N. sarkar | : | <i>Mir Jumla.</i> |
| 4. | Richard Eaton | : | <i>The Rise of Islam and the Bengal Frontier, 1204-1760</i> |
| ৫. | আব্দুল করিম | : | বাংলার ইতিহাস: সুলতানী আমল |
| ৬. | সুখময় মুখোপাধ্যায় | : | বাংলার ইতিহাসের দুশো বছর: স্বাধীন সুলতানদের আমল |
| ৭. | আব্দুল করিম | : | বাংলার ইতিহাস |
| ৮. | আব্দুর রহিম | : | বাংলার সামাজিক সাংস্কৃতিক ইতিহাস প্রথম ও দ্বিতীয় খন্ড |

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: History (4th Paper)
Paper Code: 212

Paper Title: History of South Asia (1765-1947)

Marks : 100
Credits : 4

1. Grant of Dewani, 1765 & Dual Government.
2. Reforms of Hastings and Cornwallis.
3. Wellesley and Subsidiary Alliance.
4. Reforms of Bentinck.
5. Dalhousie and the Doctrine of Lapse
6. The Revolt of 1857- Causes and results.
7. Sir Syed Ahmed Khan and the Aligarh Movement.
8. Foundation of National Congress, 1885
9. Simla Deputation and the Foundation of Muslim League-1906
10. Lucknow Pact of 1916
11. Khilafat and Non-cooperation Movement
12. The Government of India act, 1935
13. Lahore Resolution, 1940
14. Cripps and Cabinet Mission Plans
15. The Partition of India, 1947

Books Recommended:

1. P.E. Roberts : *History of British India*
2. A.C. Banerjee : *The Constitutional History of India Vol. I II and III*
3. A.C Banerjee and D.K. Ghosh : *A Comprehensive History of India Vol. X: 1712-1772.*
4. K.K. Datta and V.A. Narain (ed) : *A Comprehensive History of India Vol. XI : The Consolidation of the Empire 818-1858*
5. Sirajul Islam (ed.) : *History of Bangladesh, 3 Vols.*
6. Briyen K. Gupta : *Sirajuddulah and the East India Company, 1776-57*
7. P.J. Marshall : *Bengal The British Bridgehead.*
8. C.A. Bayly : *Indian Society and the Making of the British Empire.*
9. Sirajul Islam : *The Permanent Settlement in Bengal*
10. S.N. Sen : *Eighteen Fifty Seven*

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| 11. | P.C. Joshi (ed) | : | <i>Rebellion 1857: A Symposium</i> |
| 12. | R.C. Majumdar (ed) | : | <i>History of the Freedom Movement in India, Vol. I and II.</i> |
| 13. | A.C. Banerjee | : | <i>The Constitutional History of India Vol. II</i> |
| 14. | S.Gopal | : | <i>British Policy in India, 1858-1905</i> |
| 15. | T. R. Metcalf | : | <i>The Aftermath of the Revolt: India 1857-1870</i> |
| 16. | John R. Mc Lance | : | <i>Indian Nationalism and the Early Congress.</i> |
| 17. | Dharm Pal | : | <i>Administration of Sir John Lawrence in India, 1864-1869</i> |
| 18. | S. Gopal | : | <i>The Viceroyalty of Ripon, 1880-1884</i> |
| 19. | Anil Seal | : | <i>The Emergence of Indian Nationalism</i> |
| 20. | R.P. Gronin | : | <i>British Policy and Administration in Bengal.</i> |
| 21. | C.H. Philips (ed) | : | <i>The Evolution of India and Pakistan, 1858-1947</i> |
| 22. | B. N. Pandey (ed) | : | <i>The Indian nationalist Movement 1885-1947</i> |
| 23. | Sumit Sarkar | : | <i>Modern India 1885-1947</i> |
| 24. | Bipan Chandra et al | : | <i>India Struggle for Independence.</i> |
| 25. | R.C. Majumdar | : | <i>History of the Freedom movement in India ,Vol, II and III</i> |
| 26. | B. N. Pandey (ed) | : | <i>The Break of the British India.</i> |
| 27. | Mushirul Hasan | : | <i>Nationalism and Communal Politics in India, 1885-1930</i> |
| 28. | Perer Hardy | : | <i>The Muslims of British India.</i> |
| 29. | R.J. Moore | : | <i>The Crisis of Indian unity, 1917-40</i> |
| 30. | D.A. Low (ed.) | : | <i>Soundings in Modern South Asian History.</i> |
| 31. | D. rothermund | : | <i>Phases of Indian Nationalism.</i> |
| ৩২. | আনিরুদ্ধ রায় | : | মুঘল সম্রাজ্যের উত্থান-পতনের ইতিহাস, ১ম ও ২য় খণ্ড। |
| ৩৩. | অমলেশ ত্রিপাঠী | : | স্বাধীনত সংগ্রামের ভারতের জাতীয় কংগ্রেস, ১৮৮৫-১৯৪৭। |
| ৩৪. | মুহাম্মদ ইনামউল হক | : | ভারতের মুসলমান ও স্বাধীনতা আন্দোলন, ১৭০৭-১৯৪৭ |

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: History (5th Paper)
Paper Code: 311

Paper Title: History of Europe (1453-1789)

Marks : 100
Credits : 4

1. Characteristics of the modern age.
2. Renaissance : Origins and meaning, renaissance in Italy, humanist movement, renaissance in northern Europe, significance of the renaissance.
3. **Italian wars 1494-1527.**
4. **Geographical discoveries:** motives, course and results.
5. **Reformation:** origins of the reformation, Martin Luther, Zwingli and Calvin, effects of the Reformation.
6. **Counter Reformation:** meaning new religious orders, Jesuits, Council of Trent, Index and Inquisition, effects of the counter-reformation.
7. **Rise and decline of Spain:** Ferdinand and Isabella, Charles V, Philip II, decline of Spain.
8. **Making of the Netherlands:** origin of Dutch independence, revolt in the Netherlands, causes of Dutch success.
9. **French wars of religion:** Political and social background, rise of the Huguenots, wars of religion, effects of the religious wars.
10. **Reconstruction of France :** Henry IV, Cardinal Richelieu and Cardinal Mazarin.
11. **Ascendancy of France :** domestic and foreign policy of Louis XIV, French culture.
12. **Thirty years war :** origins of the war, the war, Treaty of Westphalia, effect of the war on Germany.
13. **rise of Sweden :** Swedish independence, Swedish imperialism.
14. **Rise of Russia :** Peter the Great and Catherine the Great.
15. **Growth of Russia :** The Hohenzollerns, Frederick William the Great Elector, King Frederick I, Frederick William I, Frederick II the Great.
16. **Austria :** Maria Theresa and Joseph II.
17. **War of Spanish succession (1701-1713):** Problems of succession, outbreak of war, campaigns, Peace of Utrecht (1713).

- 18. War of Austrian succession (1740-1748):** Claimants to Austria Hapsburg dominions, outbreak of war, campaigns, Peace of Aix-la-Chapelle (1748).
- 19. Seven years War (1756-1763):** Reforms in Austria, diplomatic revolution, position of France, campaigns in Europe, war in the colonies, Peace of Paris (1763), effect of the war.
- 20. Partitions of Poland:** Condition of Poland, attitude of European powers, first partition (1772), second partition (1793), third partition (1795).
21. Enlightenment and enlightened despotism.
22. Origin of the French Revolution.

Books recommended :

- V.H.H. Green, *Renaissance and Reformation*.
- Harold J. Grima, *The reformation Era*.
- C.J.H. Hayes, *Modern Europe to 1870*
- E.J. Knapton, *Europe to 1450-1815*.
- Robert Ergang, *Europe from the renaissance to Waterloo*.
- Stuart Andrews, *Eighteenth Century Europe*.
- P.J. Helm, *History of Europe 1450-1660*.
- T.W. Riker, *A short History of Modern Europe*.

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: History (6th Paper)
Paper Code: 312

Paper Title: History of Islam up to 1258 (Excluding South Asia System)

Marks : 100
Credits : 4

1. Pre-Islamic Dark Age in Arabia: Social, Political, Economic and Religious conditions.
2. Life and Activities of the Prophet Muhammad (sm); Foundation of Islam in Arabia, New society and Administration in Madina
3. The Khilafat: Hazrat Abu Bakar, Hazrat Umar Faruque, Hazrat Uthman and Hazrat Ali
4. **The Umayyad**
 - (a) Foundation of Umayyad Dynasty
 - (b) Administration of Muawiyah and Abdul Malik
 - (c) Muslim Expansion: Walid I
 - (d) Umar-bin-Abdul Aziz and the later Umayyads
 - (e) Umayyad Administration
 - (f) Development of Science, Art and Culture
 - (g) Downfall of the Umayyad Dynasty.
5. **The Abbasids**
 - (a) Foundation of Abbasid Dynasty
 - (b) Administration of Al-Mansur, Harun-al Rashid and the Golden age of Baghdad
 - (c) Civil War: Amin and Mamun
 - (d) Education system, science, art and architecture
 - (e) Downfall of Abbasid Dynasty.
6. **Rise of Independent Kingdoms:**
 - (a) Buwahid Dynasty.
 - (b) Seljug Dynasty.
7. Muslim Sects.
8. The Crusades.

Books Recommended:

1.	M. Kabir	:	Outlines of Islamic History
2.	S. Ameer Ali	:	History of the Saracens
৩.	রেজাই করিম	:	আরব জাতির ইতিহাস
৪.	সৈয়দ আমীর আলী	:	আরব জাতির ইতিহাস (অনুদিত)
৫.	এ.কবির	:	ক) ইসলাম ও খলিফত, খ) ইসলামী সভ্যতার স্বর্ণযুগ

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Islamic History and Culture (1st Paper)
Paper Code: 113

Paper Title: Political and Cultural History of Muslims (Up to 750 AD)

Marks : 100

Credits : 4

Pre Muslim Arabia - Geography, Politics, Society, Culture and Economy-Prophet Mohammad (SM) –Hijrat, Charter of Madina – Battles of Badr, Uhud and Khandaq - Treaty of Hdaybiah – Conquest of Mecca - Farewell Sermon-Khulafa-i-Rashidun–Reigns of Abu Bakar-Umar 1- Usman-Ali-The Umayyads–Genealogy of the Umayyads, Reign of Muawiyh - Yazid Tragedy of Karbala- Abdul Malik I, Al walid I - Expansion of the Khilafat - Umar bin Abdul Aziz – Marwan II and the fall of the Umayyads - Five Pillars of Islam – Literary Contribution of the Umayyads – Sects in Islam - Background of the establishment of Umayyad Khilafat - Kharijites, Shiites, Sunnis, Jabarites, Qadarites Murjite -Umayyad Architecture: Mosques and Dome of the Rock.

Books Recommended (Author, Title, Place and Year):

- | | |
|-------------------------------------|---|
| 1. Hitti, P.K, | : A History of the Arabs, 7 th edition, New York, 1961 |
| 2. Ali, Syed Ameer | : A Short History of the Saracens, London, (Reprint) 1951 |
| 3. Ali, Syed Ameer | : The Spirit of Islam (Selected chapters, London (Reprint) 1967 |
| 4. Muir, W. | : The Caliphate: Its Rise. Decline and Fall, London, (Reprint) 1998 |
| 5. শেখ রিয়াজ উদ্দীন আহমদ (অনূদিত): | আরব জাতির ইতিহাস, বাংলা একাডেমি, ঢাকা, ২০০২ |
| 6. রেজা-ই-করিম, মুহম্মদ | : আরব জাতির ইতিহাস, বাংলা একাডেমি, ঢাকা, ১৯৮৯ |
| 7. শেখ লুৎফর রহমান | : আরব জাতির ইতিহাস, বাংলা একাডেমি, ৪র্থ সংস্করণ, ১৯৭৬ |
| 8. শেখ লুৎফর রহমান | : ইসলাম ও রাষ্ট্র ও সমাজ, বাংলা একাডেমি, ঢাকা, ১৯৮৪ |
| 9. রশীদুল আলম | : মুসলিম দর্শনের ভূমিকা, ঢাকা, মেরিট ফেয়ার, ঢাকা, ২০১২ |
| 10. Imamuddin, S.M. | : A Political History of the Muslims, Part-I (prophet and caliphates, Dhaka, 1970 |
| 11. Singh, Savindra | : Fundamental Geography, Pustak Bhawan: Allahabad |
| 12. Majid Husain | : Nature of Geography, Anmol, New Delhi, 1994 |
| 13. Brady, Myle C. and Well, Ray R. | : Nature of Geography, Pearson, Prentice Hall, USA |
| 14. C.N. Shamkar Rao | : Sociology Primary Principles, New Delhi, 3 rd edition, 2000 |
| 15. ড. মু. হাবিবুর রহমান | : সমাজবিজ্ঞান পরিচিতি, ৪র্থ সংস্করণ, ঢাকা, ১৯৯৪ |

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Islamic History and Culture (2nd Paper)
Paper Code: 114

Paper Title: Political and Cultural History of Muslims (750-1258 AD)

Marks : 100

Credits : 4

The Abbasids- Establishment - Reigns of Abul Abbas as-Saffah - Al-Mansur-Al Mahdi- Al Hadi - Harun-or-Rashid-Barmakids - Al-Mamun- Al-Amin – Al-Mutawakkil- Disintegration and the fall of the Abbasids - Baitul Hikma- Abbasids Contribution to literature, Science and Learning - Development of Muslim Architecture – Religio - philosophical sects: Mutazilites, Asharites.

Books Recommended:

1. Hitti, P.K : A History of the Arabs, 7th edition, New York, 1961
2. Ali, Syed Ameer : A Short History of the Saracens, London, (Reprint), 1951
3. Ali, Syed Ameer : The Spirit of Islam (Selected chapters), London (Reprint), 1967
4. Muir, W. : The Caliphate: Its Rise. Decline and Fall, London (Reprint), 1998
5. শেখ রিয়াজ উদ্দীন আহমদ (অনূদিত): আরব জাতির ইতিহাস, বাংলা একাডেমি, ঢাকা, ২০০২
6. রেজা-ই-করিম : আরব জাতির ইতিহাস, বাংলা একাডেমি, ঢাকা, ১৯৮৯
7. শেখ লুৎফর রহমান : আরব জাতির ইতিহাস, বাংলা একাডেমি, ৪র্থ সংস্করণ, ১৯৭৬
8. শেখ লুৎফর রহমান : ইসলাম ও রাষ্ট্র ও সমাজ, বাংলা একাডেমি, ঢাকা, ১৯৮৪
9. রশীদুল আলম : মুসলিম দর্শনের ভূমিকা, মেরিট ফেয়ার, ঢাকা, ২০১২
10. শেখ লুৎফর রহমান : ইসলামের পঞ্চ স্তম্ভ, ইসলামিক ফাউন্ডেশন, ঢাকা
11. ড. আমিনুল ইসলাম : মুসলিম দর্শন ও সংস্কৃতি, ঢাকা, ২০০১
12. মাওলানা, এ.এম.এম সিরাজুল ইসলাম : ইসলামের পঞ্চ স্তম্ভ, ইসলামিক ফাউন্ডেশন, ঢাকা, ২০০৪

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Islamic History and Culture (3rd Paper)
Paper Code: 213

Paper Title: History of the Muslims in India (712-1526 AD)

Marks : 100

Credits : 4

Arab Conquest of Sind – The Ghaznavids – the Ghorids – the Delhi Sultanate – the Mamluks – the Khaljis, the Tughlaks, the Sayyids and the Lodies - the Mughal Rule in India – Decline and Fall of the Mughals.

Books Recommended:

- | | |
|---|---|
| 1. Prasad, Ishwari | : A Short History of Muslim Rule in India, Indian press Allahabad, 1939 |
| 2. Prasad, Ishwari | : History of Medieval India, Indian press, Allahabad, 1952 |
| 3. Ray Chowdhury,
Majumder and Dutta | : An Advanced History of India, London 1967 |
| 4. আলীম, এ কে এম আব্দুল | : ভারতে মুসলিম রাজত্বের ইতিহাস, ৬ষ্ঠ সংস্করণ, বাংলা একাডেমি, ঢাকা, ২০০২ |
| 5. আবদুল করিম | : ভারতীয় উপমহাদেশে মুসলিম শাসন, বাংলা একাডেমি, ঢাকা, ১৯৭৮ |
| 6. Smith, V. | : Oxford History of India, Oxford, 1970 |
| 7. Topa, Ishwara | : Politics in Pre-Mughal Times, Delhi, 1976 |

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Islamic History and Culture (4th Paper)
Paper Code: 214

Paper Title: History of the Muslims in India (1526-1858 AD)

Marks : 100

Credits : 4

Sources of Mughal History – Advent of the Mughals – Babur – Humayun-The Afghans – Sher Shah Sur – Akbar the Great – Jahangir – Shahjahan – Aurangzeb – Decline and fall of the Mughals – Mughal Society, Administration, Art and Architecture, Economy – The English Ascendancy - English East India Company – Anglo-French Rivalry - English Ascendancy in Bengal – Battle of Plassey, Company's rule in India (upto 1858) – Sepoy Mutiny or the war of Independence (1857-58 A.D).

Books Recommended:

- | | |
|---|---|
| 1. Ishwari Prasad | : A Short History of Muslim Rule in India, Indian press Allahabad, 1939 |
| 2. Ishwari Prasad | : History of Medieval India, Indian press, Allahabad, 1952 |
| 3. Roy Chowdhury,
Majumder and Dutta | :
: An Advanced History of India, London 1967 |
| 4. আলীম, এ কে এম আব্দুল | : ভারতে মুসলিম রাজত্বের ইতিহাস, ৬ষ্ঠ সংস্করণ, বাংলা একাডেমী, ঢাকা, ২০০২ |
| 5. আবদুল করিম | : ভারতীয় উপমহাদেশে মুসলিম শাসন, বাংলা একাডেমী, ঢাকা, ১৯৭৮ |
| 6. Sharna, S.R. | : Mughal Empire in India, Agra, 1974. |
| 7. Tripathi, R.P. | : Rise and fall of the Mughal Empire, Allahabad, 1960 |
| 8. এ. কে. এম. শাহনাওয়াজ | : ভারত উপমহাদেশের ইতিহাস, মধ্যযুগঃ মোগলপর্ব, ঢাকা, ২০০৭ |

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Islamic History and Culture (5th Paper)
Paper Code: 313

Paper Title: History of Modern Europe (1789-1945 AD)

Marks : 100
Credits : 4

French Revolution (1789) – Napoleon Bonaparte (1799-1815) – Metternich Era (1815-1848) – Concert of Europe – July Revolution 1830 – February Revolution 1848 – Napoleon III, - Unification of Italy (1870) – Unification of Germany (1871) – Eastern Question – Greek War of Independence – Ottoman – Egyptian Relation (1831 – 1841) – Crimean War – Paris Peace Conference (1856) – Congress of Berlin (1878) – Balkan Wars – World War I – League of Nations – Russian Empire (1801-1971) – Bolshevik Revolution (1917) – Rise of Fascism and Nazism – Second World War – the UNO.

Book Recommended:

- | | |
|--------------------------|---|
| 1. Ketelbey, C.D.M | : A Short History of the Modern Times from 1789, London, 1953 |
| 2. Davies | : Europe: 1789-1939, 1953 |
| 3. Hazen, C.D. | : Europe since 1815, London, 1935 |
| 4. Lipson, E. | : Europe in the Nineteenth and Twentieth Centuries, Charles Black, London, 1949 |
| 5. খান, আলী আসগর | : আধুনিক ইউরোপের ইতিহাস (১৭৮৯-১৯১৯), বাংলা একাডেমি, ঢাকা, ১৯৮৩ |
| 6. আবুল কালাম | : ফরাসী বিপ্লবের পটভূমি, ঢাকা, ১৯৮২ |
| 7. গোলাম কিবরিয়া ভূইয়া | : আন্তর্জাতিক সম্পর্ক ও আধুনিক ইতিহাস অভিধান, খান ব্রাদার্স, ঢাকা ২০১০ |
| 8. Fisher, H.A.L. | : History of Europe, Vol: II, London, 1951 |
| 9. Richard Denis | : Modern Europe |
| 10. কিরণ চন্দ্র চৌধুরী | : আধুনিক ইউরোপ, অরিয়েন্টাল বুক, কলকাতা, ১৯৯৮ |

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Islamic History and Culture (6th Paper)
Paper Code: 314

Paper Title: History of the Middle East (1258-1800 AD)

Marks : 100
Credits : 4

The Great Mongols and IL- Khans of Persia:

Review of the sources – origin and foundation of the Great Mongols by Chengiz Khan – other great Khans - division of the Mongol Empire – Halugu Khan and the foundation of the IL-Khanid state in Persia- early IL- Khanid rulers- Accession of Ghazan Khan: relations with the Mamluks of Egypt and his achievements- Later IL- Khanid rules – the disintegration of the IL- Khanid dynasty and rise of Petty dynasties – the Jalairids –Muzaffarids – the Kurts – Cultural Contributions of the IL- Khans.

The Timurid Rule in Persia:

Tamerlane: invasions, conquests and achievements – Later Timurid monarchs – literary and scientific attainments of the Timurids.

The Mamluks of Egypt:

The Mamluks of Egypt – The Bahri Mamluks – re-establishment of the Khilafat – achievements of the Bahri Mamluks and their decline – The Burji Mamluks – conflict with the Ottomans – Cultural contributions of the Mamluks.

The Safavid dynasty:

Rise of the Safavid dynasty – Shah Ismail – Shah Tahmasp – Ismail II – Muhammad Khudabanda – Shah Abbas the Great – The decline of the Safavids – The rise of the Uzbeks – Shah Abbas II – The Ghilzais of Kandahar – Rise of the Abdalis of Herat and the downfall of the Safavids.

Ottoman Rules:

Rise and foundation of the Ottoman Dynasty – Orkhan – Murad I – Bayzid I- Battle of Angora – Muhammad the restorer – Murad II – Muhammad II – the conquest of Constantinople and its aftermaths – Selim I, Battle of Marg-i - Dabiq – Sulaiman the magnificent – The decline of the Ottoman Empire, Kuprili Waziers- Eastern Question- Treaty of Kutchuk Kainardji- Selim – III- Culture and Society of the Ottoman.

The Afsharids dynasty, The Zand dynasty and the Qajar dynasty:

The rise of NadirShah and his achievements – The Zand dynasty – Karim Khan Zand – Rise of the Qajars in Persia.

Book Recommended:

1. Jeremiah Curtin, : *The Mongols: A History*, Boston, 1908
2. S M Imamuddin : *A modern History of the Middle East and North Africa*, Najma and Sons, Dhaka, 1960
3. Stanley Lane-Poole, : *Egypt in the Middle Ages*, London, 1925
4. Percy Sykes : *History of Persia*, Vol, II London, 1951

5. Lord Eversley : *Turkish Empire*, Lahore (Reprint) 1957
6. David, Morgan : *The Mongols*, Blackwell, Oxford, 2007
7. William Muir : *Mamluk or Slave Dynasty of Egypt*, London, 1996
8. G. Lenczowski : *The Middle East World Affairs*, New York, 1952
9. Bertold Spuler : *History of the Mongols*, London, 1972
- : *The Muslim World – A Historical Survey*, Parts III-IV, Leiden, 1981
10. E.S, Creasy : *History of the Ottoman Turks*, London, 1956
11. Inalcik Halil : *The Ottoman Empire : The Classical Age (1300-1600)*, New York, 1973
12. Jacob Smuel : *History of the Ottoman Empire*, London, 1954
13. আশরাফ উদ্দীন আহমদ, *মধ্যযুগের মুসলিম ইতিহাস*, ঢাকা, ১৯৭৬
14. মোঃ ফজলুল হক (সম্পা.), *সমকালীন মধ্যপ্রাচ্য*, ফেমা স বুকস, ঢাকা, ২০১৭
15. মোহাম্মদ গোলাম রসুল, *মধ্যপ্রাচ্যের ইতিহাস*, ঢাকা, ১৯৭৩
16. ইয়াহিয়া আরমাজানী, *মধ্যপ্রাচ্য অতীত ও বর্তমান*, (অনু.) মুহাম্মদ ইনাম-উল-হক, *জাতীয় গ্রন্থ প্রকাশন*, ঢাকা, ২০০০
17. সফিউদ্দিন জোয়ার্দার, *আধুনিক মধ্যপ্রাচ্য*, ১ম ও ২য় খণ্ড, ঢাকা, ২০০২
18. এ.বি. এম. হোসেন, *মধ্যপ্রাচ্যের ইতিহাস*, অটোমান সাম্রাজ্য থেকে জাতিসত্তা রাষ্ট্র, ইউজিসি, ঢাকা, ২০১১
19. আব্দুল কাদির : *তুরস্কের ইতিহাস*, ঢাকা, ১৯৮৬
20. ড. শেখ মুহাম্মদ লুৎফর রহমান : *উসমানীয়া সালতানাত*, ইসলামিক ফাউন্ডেশন, ঢাকা, ১৯৯১
- মুহাম্মদ আলী আসগর খান : *আধুনিক তুরস্কের ইতিহাস*, ঢাকা, ১৯৮৪

Bangladesh University of Professionals
Syllabus for 3 year B.A./B.S.S. Programme
Subject: Philosophy (1st Paper)
Paper Code: 115

Paper Title: Introduction to Philosophy

Marks : 100

Credits: 4

Origin, nature & scope of philosophy.

Philosophy and its related subjects: science, religion, life and common-sense.

Epistemological problems: rationalism, empiricism, criticism and intuitionism.

Object of knowledge: idealism and realism.

Theories of truth: correspondence theory, coherence theory and pragmatic theory;

Concept of space, time and matter.

Nature of life: mechanism, vitalism and the concept of emergence.

Creation and evolution, theories of evolution: mechanical, teleological, creative and emergent evolution.

Theories of reality: monism, dualism and pluralism, idealism and materialism.

Nature of mind and mind-body relation.

Idea of God: proofs for the existence of God.

Nature of value and its classification: intrinsic and extrinsic value.

Freedom of will and immortality of the soul.

Books Recommended:

- | | | | |
|----|--------------------------|---|---|
| 1. | Matin, A. | : | <i>An Outline of Philosophy</i> , Dhaka, 1968 |
| 2. | Patrick, T.W. | : | <i>An Introduction to Philosophy</i> , New York, 1935. |
| 3. | Titus, H. | : | <i>Living Issues in Philosophy</i> , New York, 1944 |
| 4. | আমিনুল ইসলাম | : | জগৎ জীবন দর্শন, শিখা প্রকাশনী, ঢাকা, ২য় সংস্করণ, ২০০২ |
| 5. | — | : | দার্শনিক সমস্যা ও সমকাল, মৌলি প্রকাশনী, ঢাকা, ২০০২ |
| 6. | এম. মতিউর রহমান | : | দর্শনের চিরায়ত সমস্যা [প্রথম খন্ড: জ্ঞানতত্ত্ব] : ঢাকা : অবসর প্রকাশনা সংস্থা, ২০১৪ |
| 7. | — | : | দর্শনের চিরায়ত সমস্যা [দ্বিতীয় খন্ড: পরাতত্ত্ব] : ঢাকা : অবসর প্রকাশনা সংস্থা, ২০১৪ |
| 8. | মুহাম্মদ আব্দুল হাই ঢালী | : | দর্শনের মূলনীতি, ঢাকা : অবসর প্রকাশনা সংস্থা, ৫ম সংস্করণ, ২০১৫ |
| 9. | গোবিন্দ চন্দ্র দেব | : | তত্ত্ববিদ্যাসার, কেন্দ্রীয় বাঙলা উন্নয়ন বোর্ড, ঢাকা ১৯৭৫ |

Bangladesh University of Professionals
Syllabus for 3 year B.A./B.S.S. Programme
Subject: Philosophy (2nd Paper)
Paper Code: 116

Paper Title: General Ethics

Marks : 100
Credits : 4

Nature, scope and value of ethics.

Ethics and related subjects: Psychology, Sociology, Religion and Law.

Different Branches of Ethics.

Postulates of morality.

Voluntary, non-voluntary and involuntary actions; moral, immoral and non-moral actions.

Nature, subject and object of moral judgment.

Moral standard : hedonism, rationalism, intuitionism and perfectionism.

Individual and society : egoism, altruism, universalism.

Problem of freedom : determinism, indeterminism and self determinism.

Theories of punishment and moral progress;

Concept of rights and duties.

Books Recommended:

- | | |
|-------------------------|---|
| 1. Frankena, W.K. | : <i>Ethics</i> , Prentice-Hall, New Delhi, 1995 |
| 2. Lillie, William | : <i>An Introduction to Ethics</i> , Methuen, London, 1966 |
| 3. আব্দুল হাই ঢালী | : নীতিবিদ্যা : আদর্শনিষ্ঠ ও পরানীতিবিদ্যা, পুথিঘর লিঃ, ঢাকা ৩য় সংস্করণ, ১৯৯১ |
| 4. মুহাম্মদ আব্দুল বারী | : নীতিবিদ্যা, প্রজ্ঞালোক, ঢাকা ১৯৯৫ |
| 5. — | : উপযোগবাদ : তত্ত্ব ও সমীক্ষা, বাংলা একাডেমী, ঢাকা, ১৯৯৪ |
| 6. রাশিদা আখতার খানম | : নীতিবিদ্যা : তত্ত্ব ও বিশ্লেষণ, জাতীয় গ্রন্থ প্রকাশ, ঢাকা, ২০০২ |
| 7. শেখ আব্দুল ওহাব | : কান্টের নীতিদর্শন, ঢাকা বিশ্ববিদ্যালয়, ঢাকা ১৯৮২ |
| 8. হাসনা বেগম | : উপযোগবাদ, বাংলা একাডেমী, ঢাকা, ১৯৮৮ |

Bangladesh University of Professionals
Syllabus for 3 year B.A./B.S.S. Programme
Subject: Philosophy (3rd Paper)
Paper Code: 215

Paper Title: Muslim Philosophy

Marks : 100
Credits : 4

Muslim Philosophy: its sources, nature and scope.

Objection to Muslim Philosophy and the refutation of those objections.

Differences between Muslim Philosophy and Islamic Philosophy.

Causes of the rise of different schools of thought in Islam and their doctrines: the Jabariyas and the Qadariyas, the Mutazilas, the Ashariyas, the Sufis.

Muslim philosophers: al-Kindi, al-Farabi, Ibn Sina, al-Ghazali, Ibn Rusdh, Allamah Iqbal.

Books Recommended:

1. De Boer, T.J. : *History of Philosophy in Islam*, London, 1965
2. Hai, S.A. : *Muslim Philosophy*, Islamic Foundation, Dhaka, 1982.
3. Sharif, M.M. (ed.) : *A History of Muslim Philosophy*, 2. Vols.
4. Sharif, M. M. (ed) : *Muslim Thought & Its Origin and Achievements*, Lahore, 1959
৫. আমিনুল ইসলাম : মুসলিম ধর্মতত্ত্ব ও দর্শন, মাওলা ব্রাদার্স, ঢাকা, ২য় সংস্করণ, ২০০০
৬. — : মুসলিম দর্শন ও সংস্কৃতি, নওরোজ কিতাবিষ্টান, ঢাকা, চতুর্থ প্রকাশ, ২০০১
৭. মুহাম্মদ আবদুল বারী : মুসলিম দর্শন, ধর্মতত্ত্ব ও সংস্কৃতি, হাসান বুক হাউজ, ঢাকা, ২০০১
৮. মোঃ আব্দুল হালিম : মুসলিম দর্শন : চেতনা ও প্রবাহ, দিব্য প্রকাশ, ঢাকা, ২য় সংস্করণ, ২০০২

Bangladesh University of Professionals
Syllabus for 3 year B.A./B.S.S. Programme
Subject: Philosophy (4th Paper)
Paper Code: 216

Paper Title: Indian Philosophy

Marks : 100
Credits : 4

Indian Philosophy: its sources, nature and scope.

General characteristics of Indian Philosophy Fundamental Concept of Indian Philosophy. Objections to Indian Philosophy and the refutation of these objections.

Different schools of thought in Indian Philosophy: Carvaka, Jaina, Bauddha, Sankhya, Yoga, Nyaya, Vaishesika, Mimamsa and Vedanta.

Moral Teachings of the Bhagabad Gita.

Books Recommended :

- | | | |
|------------------------------------|---|---|
| 1. Chatterjee, S.S. and Dutta, D.M | : | <i>An Introduction to Indian Philosophy</i> , Calcutta, 1969 |
| 2. Radhakrishnan, S. | : | <i>Indian Philosophy</i> , 2 vols. Bombay, 1977 |
| ৩. এম. মতিউর রহমান | : | ভারতীয় দর্শন ও সংস্কৃতি, ঢাকা : জাতীয় সাহিত্য প্রকাশ, ২য় সংস্করণ, ২০১১ |
| ৪. নীরদবরণ চক্রবর্তী | : | ভারতীয় দর্শন, কলকাতা : দত্ত পাবলিশার্স, ১০ম সংস্করণ, ২০১০ |
| ৫. রমেন্দ্রনাথ ঘোষ | : | ভারতীয় দর্শন, বাংলা একাডেমী, ঢাকা, ১৯৮২ |
| ৬. সাইয়েদ আবদুল হাই | : | ভারতীয় দর্শন, ঢাকা: ইউনিভার্সিটি প্রেস লিমিটেড, ২০০৭ |

Bangladesh University of Professionals
Syllabus for 3 year B.A./B.S.S. Programme
Subject: Philosophy (5th Paper)
Paper Code: 315

Paper Title: Bangladesh Philosophy

Marks : 100
Credits: 4

Origin, nature, scope and characteristics of Bangladesh Philosophy.

Influence of Sufism, Vaishnavism and Baulism in Bangladesh Philosophy.

Trends of Bangladesh Philosophy in the nineteenth and twentieth century.

Contribution of the following thinkers to Bangladesh Philosophy: Ram Mohun Roy, Rabindranath Tagore, Kazi Nazrul Islam, Mohammad Barkatullah, Abul Hossain, Kazi Abdul Wadud, Dr. G.C. Dev, Begum Rokeya.

Books Recommended :

1. আমিনুল ইসলাম : বাঙালির দর্শন : প্রাচীনকাল থেকে সমকাল, মাওলা ব্রাদার্স, ঢাকা, ২০০২
2. আহমদ শরীফ : বাঙালীর দর্শন চিন্তা, মাওলা ব্রাদার্স, ঢাকা, ২০০২
3. এম. মতিউর রহমান : বাঙালির দর্শন : মানুষ ও সমাজ, বাংলা একাডেমী, ঢাকা ২০০০, ২য় সংস্করণ, ঢাকা : অবসর প্রকাশনা সংস্থা, ২০১২
4. — : বাংলার দার্শনিক মনীষা : ঢাকা : জাতীয় সাহিত্য প্রকাশ, ২০০৮
5. — (সম্পাদিত) : রবীন্দ্র দর্শন: মানুষ ও সমাজ, প্রথম খন্ড, ঢাকা : নবযুগ, ২০১৩
6. ওয়াকিল আহম্মদ (সম্পাদিত) : বাঙালির দর্শন চিন্তা, এশিয়াটিক সোসাইটি অব বাংলাদেশ, ১৯৯২
7. মোহাম্মদ বরকত উল্লাহ : মানুষের ধর্ম, ঢাকা : হাওলাদার প্রকাশনী, ২০১১
8. মোঃ সোলায়মান আলী সরকার : বাঙলার বাউল দর্শন, বাংলা একাডেমী, ঢাকা, ১৯৯৩
9. শরীফ হারুন (সম্পাদিত) : বাংলাদেশ দর্শন : ঐতিহ্য ও প্রকৃতি অনুসন্ধান, বাংলা একাডেমী, ঢাকা, ১৯৯৪

Bangladesh University of Professionals
Syllabus for 3 year B.A./B.S.S. Programme
Subject: Philosophy (6th Paper)
Paper Code: 316

Paper Title: General Logic

Marks : 100
Credits: 4

Nature and subject-matter of logic.

Arguments, premises and conclusion, truth and validity.

Language: its nature and functions, different uses of language.

Informal fallacies.

Definition: purposes, types and techniques of definition.

Propositions: kinds of propositions, existential import of propositions.

Syllogism: rules of categorical syllogism; classification of syllogism and Venn diagrams.

Induction : nature and kinds of induction.

Grounds of induction: observation and experiment.

Mills Experimental Method: Method of Agreement, Method of Difference, Joint Method, Method of Concomitant Variation and Method of Residue.

Formal ground: law of uniformity of nature, law of causation.

Books Recommended:

1. Cohen, M.R. and Nagel. E.: *An Introduction to Logic and Scientific Method*, London. 1978
2. Copi, I. M. : *Introduction to Logic*, 5th edition, New York : Macmillan 1970
3. Joseph. H.W.B. : *An Introduction to Logic*, Oxford, 1958
4. Stebbing. L. S. : *Modern Elementary Logic*, London, 1963
5. এম. মতিউর রহমান : *সাবেকী ও প্রতীকী যুক্তিবিদ্যা*, ঢাকা : পুথিঘর লিমিটেড, ৬ষ্ঠ সংস্করণ, ২০১৪
6. — : *প্রচলিত পাশ্চাত্য যুক্তিবিদ্যা*, পঞ্চম সংস্করণ, ঢাকা : নভেল পাবলিশিং হাউস, ২০১০

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Geography and Environment (1st Paper)
Paper Code: 117

Paper Title: Physical Geography & Environment

Marks : 100

Credits : 4

- a) Physical Environment (1 Question out of 2 to be answered)
- b) Geomorphology (2 Questions out of 4 to be answered)
- c) Climatology (1 Question out of 2 to be answered)
- d) Oceanography (1 Question out of 2 to be answered)

a) Physical Environment:

- 1. Elements and Components of Physical Environment
- 2. Global Cycles and Systems of the Earth's Environment
- 3. The Sources of Energy for the Earth's Environment
- 4. Major Energy Systems of Earth and Interrelation in Environmental systems
- 5. The Hydrologic Cycle, Water Budget, Water Resources
- 6. Scope and contents of Physical Geography and Environment

b) Geomorphology:

- 1. Size and Shape of the Earth
- 2. Materials of the Earth's Crust, Rocks and Minerals
- 3. Sculpturing of the Land Surface: Weathering, Erosion, Transportation and Deposition
- 4. Tectonic Processes in the Earth's Crust
- 5. Earthquakes and features produced in the Earth's Surface
- 6. Volcanoes: Types and Features in the Earth surface
- 7. Works of Rivers, Wind and Glacier.

c) Climatology:

- 1. Composition of the atmosphere
- 2. Elements and Factors of Weather and Climate
- 3. Insolation and Temperature, Horizontal and Vertical Distribution of Temperature
- 4. Atmospheric Pressure and Wind System
- 5. Humidity, Condensation and Precipitation: Formation of Clouds, Fogs, Dews, Frosts, Snows and Hails, Types and Distribution of Rainfall
- 6. Tropical and Temperate Cyclones
- 7. Study of the Climatic Types: Equatorial, Monsoon and Mediterranean

d) Oceanography:

- 1. Distribution of Land and Water
- 2. Relief of the Ocean Floors
- 3. Ocean Deposits
- 4. Salinity of the Oceans and Seas
- 5. Tides and Currents of the Oceans

Books Recommended:

1. Strahler A. H. and Strahler A. N. 1992: Modern Physical Geography, 4th edition, Wiley: Singapore.
2. Blij H. J. de and Muller P. O. 1996: Physical Geography of the Global Environment, Wiley: New York.
3. Singh Savindra, 2007: Climatology, Prayag pustak Bhawan: Allahabad, India.
4. Singh Savindra, 2003: Physical Geography, Prayag pustak Bhawan: Allahabad, India.
5. আহমেদ, রফিক, ২০০০: আবহাওয়া ও জলবায়ু বিজ্ঞান, ঢাকা।
6. দাস, সুভাস চন্দ্র, ২০০২: আধুনিক সমুদ্র বিজ্ঞান, ঢাকা ।

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Geography and Environment (2nd Paper)
Paper Code: 118

Paper Title: Economic Geography

Marks : 100
Credits : 4

1. Introduction to Economic Geography

- a) Definition, Concept, Scope and Objective of Economic Geography
- b) Relation between Geography and Economics
- c) Classification of Economic Activities

2. Economic Geography of Production

2.1 Primary Activities

- a) Gathering, Hunting, Lumbering, Fishing, Mining and Nomadic Herding /Livestock Ranching
- b) Agriculture: General characteristics of various agricultural systems and case studies of selected commodities such as Rice, Wheat, Cotton, Jute, Sugarcane, Rubber and Tea

2.2 Secondary Activities

- a) Development and Distribution of Power and Energy Resources of the World
- b) Manufacturing; Characteristics; Physical and Socio-economic Factors for growth of Industries
- c) Major Industrial and Manufacturing regions of the world
- d) Case Studies of some Industrial Complexes: Iron and Steel Industry, Apparel Industry, Textile Industry, Dairying and Mixed Farming Industries

2.3 Tertiary Activities

- a) Transportation and Trade: Regional and International Pattern
- b) Trade and its effect on the economy of the region

2.4 Quaternary Activities: Professional, Administrative Services and Entertainment

3. National Income and Product: GDP, GNP composition and change, financial institution and their role in sectoral and overall development with respect to Bangladesh.

Books Recommended:

1. Coe, N., Kelly, P. and Yeung, HWC, 2012. Economic Geography: A Contemporary Introduction, 2nd edition, Wiley-Blackwell: Singapore.
2. Wood, A. and Roberts, SM, 2011. Economic Geography- Places, Networks, and Flow. Routledge: New York.
3. Alexander, JW, 1988: Economic Geography, Prentice-Hall, New Delhi.
4. চৌধুরী, সিই, ১৯৯৫: আর্থনীতিক ভূগোল: বিশ্ব ও বাংলাদেশ, ঢাকা বিশ্ববিদ্যালয়, ঢাকা।

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Geography and Environment (3rd Paper)
Paper Code: 217

Paper Title: Population and Cultural Geography

Marks : 100
Credits : 4

1. **Introduction to Population Geography:** Definition and concept, development of Population Geography, Population and Demography
2. **Sources of population data:**
 - i) Population census
 - ii) Sample survey
 - iii) Registration
3. **Population Distribution:**
 - i) Population Density
 - ii) Factors Affecting Population Distribution/Determinants
4. **Population Composition**
 - i) Biological: Size, Age, Sex
 - ii) Social: Marital Status, Language, Religion, Education
5. **Population Dynamics**
 - i) Fertility
 - ii) Mortality
 - iii) Migration and its Determinants
 - iv)
6. **Introduction to Cultural Geography:** Definition, Scope and Methods
7. Evolution of Human Races and Mankind
8. **Processes of Culture Change:** Invention/Innovation; Diffusion and Integration
Assimilation and Acculturation

Books Recommended:

1. Jones, H.R. 1990. Population Geography, Guilford Press.
2. Clarke, J.I. 1978: Population Geography, London: Oxford Series
3. Zilensky, W.I. 1984: A Prologue to Population Geography. U.K.
4. Demko, C.J., H.M. Rose, and A.A. Schnell 1986: Population Geography: A Reader, NY.
5. Bogue, D.J. 1978: Principles of Demography. NY.
6. Spencer, J.E. & Thomas (Jr.), W. L., 1969. *Introduction to Cultural Geography* N.Y.
৬. তাহা, আ. ২০০০. জনসংখ্যা ও জনপদ ভূগোল, রাজশাহী বিশ্ববিদ্যালয়, রাজশাহী।
৭. বাকী, আ হ ম, ২০০৬। সাংস্কৃতিক ভূগোল, বঙ্গ প্রকাশনীঃ ঢাকা।

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Geography and Environment (4th Paper)
Paper Code: 218

Paper Title: Geography of Bangladesh

Marks : 100

Credits : 4

1. Location and Boundary; Administrative divisions and geographic regions

2. The Natural Environment

- 2.1 Geological Structure & Physiography
- 2.2 Climate and Soil
- 2.3 River Systems

3. Natural Resource Base

- 3.1 Natural Vegetation and Forest
- 3.2 Minerals and Energy Resources

4. Economic Base

- 4.1 Agriculture, Fisheries and Livestock
- 4.2 Industry: Nature, Growth, Location and Distribution
- 4.3 Trade and Commerce
- 4.4 Transport and Communication

5. Population

- 5.1 Size, Growth, Age and Sex Structure
- 5.2 Density and distribution
- 5.3 Population characteristics, Problems

6. Hazards and disasters: Floods, cyclones, droughts, and river bank erosion.

Books Recommended:

1. Rashid, H. 1995 : *Geography of Bangladesh, UPL, Dhaka.*
2. Rahman, A. Atiq. et al. : *Environment and Development in Bangladesh Vol: 1-2, UPL, Dhaka.*
3. Islam, M.A. 1995 : *Environment; Land use and Natural Hazards in Bangladesh, University of Dhaka, Dhaka.*
4. Islam, N and Choudhury S. I. 1992 (edited) : *Bangladesh Bhougolic Shomikhaya, Department of Geography, University of Dhaka (in Bangla), Dhaka.*
5. Nizamuddin, K. (ed.), (2000), *Disaster in Bangladesh: Selected Readings, Disaster Research Training and Management Centre, University of Dhaka.*
৬. হাসান , এম. ও অন্যান্য : *বাংলাদেশ প্রাকৃতিক ভূগোল ও পরিবেশ, বাংলা একাডেমী, ঢাকা।*
৭. ঈমাম, বি. : *বাংলাদেশের খনিজ সম্পদ, বাংলা একাডেমী, ঢাকা।*
৮. চৌধুরী, সিরাজুল ইসলাম, ১৯৯৫ : *অর্থনৈতিক ভূগোল: বিশ্ব ও বাংলাদেশ, ঢাকা বিশ্ববিদ্যালয়, ঢাকা।*

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Geography and Environment (5th Paper)
Paper Code: 317

Paper Title: Regional Geography of South Asia (Excluding Bangladesh)

Marks : 100

Credits : 4

1. Introduction to South Asia

- 1.1 Geographical Location
- 1.2 Member Countries: National Boundaries, Socio-economic Database

2. Physical Environment of South Asia

- 2.1 Physiography
- 2.2 Climate
- 2.3 Drainage Systems
- 2.4 Vegetation
- 2.5 Mineral and Energy Resources

3. Cultural Environment of South Asia

- 3.1 Population: Growth, Distribution and Characteristics
- 3.2 Economic:
 - a) Major Crops (Rice, Wheat, Cotton, Sugarcane and Tea) Productions and Distributions
 - b) Major Industry (Iron and steel, Textile power and Energy) Production and Distributions
 - c) Transportation: Roads, Railways, Waterways and Airways.
 - d) Trade and Commerce: Internal and External Trade

4. Introduction to SAARC

- 4.1 Formation of SAARC
- 4.2 Aims and Objectives
- 4.3 Major Problems in regional Co-operations

Books Recommended:

- 1. Abbasi, Bushra Afza, 1991 : *Geography of South Asia, Sang-e-Meel Publication, Lahore*
- 2. Davis, K. 1951 : *The Population of India & Pakistan, University Press, London*
- 3. Spate O.H.K & A.T.A. : *India, Pakistan and Ceylon, The Regions, Methuen & Learmonth. 1967*
- ৪. রউফ, কাআ ও বিল্লাহ, মো ২০০৬ : *দক্ষিণ এশিয়া, সুজনেষু প্রকাশনী, ঢাকা ।*

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Geography and Environment (6th Paper)
Paper Code: 318

Paper Title: Geography of Human Settlements

Marks : 100

Credits : 4

1. Definition, Scope, types and approaches of the study of human Settlement

2. Rural Settlement:

- a) Rural Settlements: Types, Forms and Characteristics
- b) Rural Periodic Markets: Origin, Growth, Characteristics and their role in Development

3. Urban Settlements:

- a) Definition, Scope, classification (types) of Urban Settlement,

4. Origin and History of Urban Centers:

- a) Factors of Urban Growth
- b) Urbanization process

5. Internal Structure of the City and Urban Land Use

- a. Concentric Zones
- b. Multiple Nuclei
- c. Sector Theory

6. Urban Environment

- a) Urban utility services
- c) Environmental Degradation

7. Urbanization in Bangladesh:

- a. Development, Problem and Prospects
- b. Rural- Urban Migration

Books Recommended:

- 1. Carter, Harold, 2000 : The Study of Urban Geography, London: Edward Arnold.
- 2. Singh, R.L. (et.al.),1998 : Geographic Dimensions of Rural Settlements
- 3. Daniel, P.1990 : The Geography of Settlement
- ৪. বাকী, আবদুল, ২০০২ : পৌর বসতিঃ কাঠামো, জনগোষ্ঠী ও পরিকল্পনা প্রসঙ্গ, সুবঙ্গ প্রকাশ, ঢাকা
- ৫. ইলাহী, ম. ও রুমী,সৈ.র.আ. ২০০৫ : নগর ভূগোল-সাম্প্রতিক ধারা, ঢাকা: সুজনেষু প্রকাশনী
- ৬. ইসলাম, এন. ও বাকী, : নগরায়ন বাংলাদেশ, আরবান স্টাডিজ প্রোগ্রাম, নগর গবেষণা কেন্দ্র, ঢাকা ।
আবদুল, ১৯৯৬ (সম্পাদিত)

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S. Programme
Subject: Psychology (1st Paper)
Paper Code: 119

Paper Title: General Psychology

Marks : 100

Credits: 4

1. **Introduction:** Definition and nature of Psychology; Subject matter of Psychology; Psychology as a science; Fields of Psychology.
2. **Nervous System:** Neuron; Classification of nervous system; Central nervous system; Peripheral nervous system; Human brain; Endocrine glands.
3. **Sensation and Perception:** Nature of sensation and perception; Human eye and ear; Perceptual organization; Illusion and hallucination; Depth perception; Perceptual constancy.
4. **Motivation:** Defining Motivation; Characteristics of motivated behavior; Classification of motivation; Motivational cycle; Homeostasis.
5. **Learning:** Definition and nature of learning; Factors of learning; Types of learning; Classical conditioning, Operant conditioning, Insightful learning; Cognitive learning: Cognitive mapping, Latent learning, Principles of reinforcement; Primary and secondary reinforcement, Schedule of reinforcement.
6. **Memory and Forgetting:** Defining memory and forgetting; Information processing approach-Sensory memory; Short-term and long-term memory; Measuring memory; Causes of forgetting.
7. **Emotion:** Emotion and feelings; Physiological changes of emotion; James-Lange theory; Cannon-Bard theory.
8. **Personality:** Definition of personality; Nature and determinants of personality; Theories of personality: Cattell, Allport, Young, Sheldond, Cretchmar; Measuring personality: Observation, Rating inventories, Projective tests.
9. **Intelligence:** Definition of intelligence; Concept of IQ; Measurement of intelligence; Verbal and non-verbal tests, Individual and group tests.

Books Recommended :

১. আফসার উদ্দীন, সাধারণ মনোবিজ্ঞান। রাজশাহী : রাজশাহী বিশ্ববিদ্যালয় প্রকাশনা বোর্ড।
২. নিহার রঞ্জন সরকার, মনোবিজ্ঞান ও জীবন। জ্ঞান কোষ প্রকাশনি, ঢাকা।
৩. কাজী সাইফুদ্দীন, আধুনিক মনোবিজ্ঞান, আলেক্সা পাবলিকেশন, ঢাকা।
৪. যোগেন্দ্র কুমার মন্ডল, সাধারণ মনোবিজ্ঞান; হাসান বুক হাউজ, ঢাকা।
5. Crider, A.B., Goethals, G.R. Robert D. Kavanaugh.R.D. Solomon, P.R. Psychology, Scott Foresman (1993), Psychology (4th ed.) New York; Harper Collins College publishers.
6. Feldman, R.S. (2002), Understanding Psychology (6th ed.) New York; Mc Graw Hill; Hisher education.
৭. Hilgrad, E.R., Alkimson, R., and Alkinson. (R.C.) Introduction to Psychology. New York; Harcourf Brace, Latested.
8. Morgan, C.T. and King, R.A Wisz, J.R. and Shoopier C. (1966) Introduction to Psychology. New York: Mc Graw Hill.
9. Munn. N.L. (1969). Introduction to Psychology; D Boston, Houghton Mifflin Co.

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S. Programme
Subject: Psychology (2nd Paper)
Paper Code: 120

Paper Title: Experimental Psychology

Marks : 100
Credits: 4

- 1. Introduction:** Definition and scope of experimental psychology, stimuli and responses,
Forms of behavior studied in experimental psychology.
- 2. Variables:** Definition; Types of variables; control of variables; experimental variable and
controlled variable. Relationship between variables.
- 3. Experimentation:** Experimental method, characteristics of experimental method,
Experimental method vs Scientific method. Types of experiment, Experimental group
and control group.
- 4. The Problem:** Selecting the problem, necessity of defining a problem, technique involved
in defining a problem.
- 5. Hypothesis:** Definition and Types of hypothesis, sources of hypothesis, function of
hypothesis, Characteristics of a good hypothesis.
- 6. Designing and conducting experiment:** Essential characteristics of good experimental
design, Types of experimental design: Simple Randomized Design, Two Matched Groups
Design, More than Two Randomized Groups Design, Repeated Measurement Design,
Within Group Design, Factorial Design, Steps in experimentation.
- 7. Writing Report of Experiments- steps.**

Book recommended:

1. মীর ফখরুজ্জামান, পরীক্ষন মনোবিজ্ঞান
2. নীহার রঞ্জন সরকার, মনোবৈজ্ঞানিক পরিমাপন ও পরিসংখ্যান
3. McGuigan, F. T. - Experimental Psychology, Prentice Hall Inc.
4. Postman, L & Egan, J.P. - Experimental Psychology: An Introduction, Harper & Row.NY.
5. Woodworth & Schlosberg – Experimental Psychology.
6. কাজী সাইফুদ্দীন (২০০৭), পরীক্ষন মনোবিজ্ঞান ও গবেষণা পদ্ধতি, আবীর প্রকাশনি, ঢাকা।
নীহার রঞ্জন সরকার, পরীক্ষন মনোবিজ্ঞান।

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S. Programme
Subject: Psychology (3rd Paper)
Paper Code: 219

Paper Title: Developmental Psychology

Marks : 100
Credits: 4

1. **Introduction:** Definition of developmental psychology; Meaning of developmental change; Types and rate of changes; Division of life cycle; Principles of development.
2. **Methods for the Study of Development:** Longitudinal & cross-sectional method; Case Study; Interview; Questionnaires.
3. **Prenatal Development:** How life begins; Three stages of prenatal development, Factors influencing prenatal development; Maternal factors & environmental factors.
4. **Birth and Neonate:** The birth process; Types of birth; Birth complications; Adjustment of neonate; Characteristics of a neonate; Physiological functioning.
5. **Infancy:** Characteristics; Physical development; Developmental tasks; Reflex actions.
6. **Babyhood:** Characteristics; Physical development; Motor development; Language development; Social development.
7. **Childhood:** Characteristics; Physical development; Language development; Emotional development; Social development; Childhood play and its importance.
8. **Adolescence:** Physical changes during adolescence; Stages of puberty; Primary sex characteristics; Secondary sex characteristics; mental tasks of adolescence.

Books Recommended :

১. সুলতানা বানু, বিকাশ মনোবিজ্ঞান (১ম খণ্ড), বাংলা একাডেমি, ঢাকা।
২. সারাতারা জামান এবং সুলতানা বানু, মানব বিকাশে মনোবিজ্ঞান, লেখকদ্বয় কর্তৃক প্রকাশিত, ঢাকা।
৩. মোঃ আমিনুল হক, বিকাশ মনোবিজ্ঞান, হাসান বুক হাউস, ঢাকা।
৪. কাজী আফিফা সুলতানা, বিকাশ মনোবিজ্ঞান, পজিট্রন পাবলিকেশন, ঢাকা
5. Alison, e, s; Susan F. and Joanne, C.(1958): Child Development: A Topical Approach; John wiley.
6. Ambron, J. R. and Brodzinsky, D. (1979): Life span Human Development; Holt, Rinehart and Winston.
7. Hurlock, E. B. (1978): Child Development; N.Y.; Mc Groaw Hill Book Co.
8. Hurlock, E. B. (1987): Development Psychology; N.Y.; Mc Groaw Hill Book Co.

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S. Programme
Subject: Psychology (4th Paper)
Paper Code: 220

Paper Title: Social Psychology

Marks : 100
Credits : 4

1. **Introduction:** Defining social psychology; Subject matter of social psychology; Social psychology and its relation to psychology, Sociology and anthropology; Research methods used in social psychology.
2. **Socialization:** Socialization as a learning process; Agents of socialization; Cultural influences on socialization.
3. **Attitude:** Defining attitude; Formation of attitude; Change of attitude.
4. **Human Communication:** Process of human communication; Verbal and nonverbal communication.
5. **Leadership:** Definition of leadership; Characteristics of a good leader; Types of leadership.
6. **Collective Behavior:** Public opinion; Crowding; Rumour; Propagation; Prejudice.
7. **Social Group:** Defining group; Types of group; Group and public perception.

Books Recommended :

১. হামিদ আখতার বেগম, আধুনিক সমাজ মনোবিজ্ঞান: রাফায়েল শাহরিয়ার প্রকাশনা, ঢাকা।
২. জহিরুল হক, সমাজ মনোবিজ্ঞান; আলোর প্রকাশনি, ঢাকা।
৩. মীর কখরুজ্জামান, সমাজ মনোবিজ্ঞান; ঢাকা বইবিতান, ঢাকা।
4. Krech, D. C. Dutchfield R.S. and Ballachey Z. L., Individual in Society; Mc. Graw Hill Co. Ltd.
5. Lindgren, H.C. An Introduction to Social Psychology. Wiley and Sonsl.
6. Myers D.G. Social Psychology. Mc. Graw Hill, Inc.
7. Second P.F. and Backman, C.W. Social Psychology. Mc. Graw Hill.

Bangladesh University of Professionals
Syllabus for Three Year B.A/B.S.S. Programme
Subject: Psychology (5th Paper)
Paper Code: 319

Paper Title: Industrial Psychology

Marks : 100
Credits: 4

1. Introduction:

- 1.1. Definition of Industrial Psychology
- 1.2. Scope of Industrial Psychology
- 1.3. Industrial Psychology as an applied Science
- 1.4. History of Industrial Psychology

2. Job Analysis:

- 2.1. Definition of Job Analysis
- 2.2. Purposes of Job Analysis
- 2.3. Methods of Job Analysis

3. Personnel Selection Procedures:

- 3.1. Psychological tests
- 3.2. Biographical Information
- 3.3. Interviews
- 3.4. References

4. Personnel Training:

- 4.1. Assessment of training needs
- 4.2. Training Methods
- 4.3. Evaluation of training programs

5. Accident and Safety:

- 5.1. Definition of Accident
- 5.2. Causes of Accident: Situational and Personal factors
- 5.3. Prevention of accident
- 5.4. Safety Provisions

6. Job Satisfaction:

- 6.1. Nature of Job Satisfaction
- 6.2. Determinants of Job Satisfaction
- 6.3. Assessment of Job Satisfaction

Books Recommended:

1. Anastasia, A.(1979) Fields of Applied Psychology. New York; Mc Graw Hill.
2. Blum. M.L. and Naylor, J.C. (1968) Industrial Psychology CSB Publication, New Delhi, India.
3. Ghiseli E.N. & Browa C.W. Personal and Industrial Psychology. Mc Grow Hill New York.
4. রওশন জাহান, (১৯৯০) শিল্প মনোবিজ্ঞান: কর্মবিজ্ঞান; ঢাকা বিশ্ববিদ্যালয়।
৫. আব্দুল খালেক, (২০০৫) শিল্প মনোবিজ্ঞান, (৪র্থ সংস্করণ), হাসান বুক হাউস, ঢাকা।
6. Sual, F.E. and Knight, P.a. (1995) Industrial/Organization Psychology. Brooks /Cale Publication Company. California U.S.A.

Bangladesh University of Professionals
Syllabus for Three Year B.A/B.S.S. Programme
Subject: Psychology (6th Paper)
Paper Code: 320

Paper Title: Measurement & Statistics in Psychology

Marks : 100

Credits: 4

1. Introduction:

- 1.1. Measurement in the Physical Science
- 1.2. Measurement in the Social and Psychological Science
- 1.3. Properties of number
- 1.4. Levels of measurement
- 1.5. Basic postulates in measurement

2. Psychological Test:

- 2.1. Definition of Psychological Test
- 2.2. Current uses of Psychological Tests
- 2.3. Types of Psychological Test
- 2.4. Characteristics of a Psychological Test

3. Steps in Constructing a Psychological Test:

- 3.1. Designing & Writing items
- 3.2. Designing & Scoring Responses
- 3.3. Collecting Data
- 3.4. Analyzing Items
- 3.5. Assessing Reliability
- 3.6. Assessing Validity
- 3.7. Establishing Norm

4. Statistics:

What is Statistics? Classification of Statistics, Nature and Scope, uses of Statistics in Psychology, The idea of quantification.

5. Frequency Distribution:

- 5.1. Grouping of Data
- 5.2. Choosing Class intervals
- 5.3. Apparent and true limits of class intervals
- 5.4. Frequency and cumulative frequency distribution.
- 5.5. Graphical representation of data

6. Measures of Central Tendency:

- 6.1. Computing mean, median and mode
- 6.2. When to apply mean, median, mode
- 6.3. Mathematical Properties of the mean

7. Measures of Variability/dispersion:

- 7.1. Need to measure variability
- 7.2. The range, interquartile range, Semi-interquartile range, Mean deviation, Standard deviation, Variance.

Suggested Readings:

1. নীহার রঞ্জন সরকার (২০১০), পরিসংখ্যান ও পরিমাপন।
2. Kline, T. J.B. (2005), Psychological Testing. New Delhi: Vistaar Publications.
3. Anastasi, A., Urbine, S.(1997), Psychological Testing and Assessment. New York; Mc Grow Hill Co.
4. Ferguson, G. S. Statistical Analysis in Psychology and Education, Longmans Green & Co. Ltd; London.

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Sociology (1st Paper)
Paper Code: 121

Paper Title: Introductory Sociology

Marks : 100

Credits : 4

1. **Introducing Sociology:** Definition, nature and scope of sociology, relationship with other social sciences. Development of sociology.
2. **Methods and Measures in Sociology:** Scientific method, experiment, survey, participant observation, participatory techniques and historical method
3. **Culture, Beliefs and Values:** Norms, sanctions, symbols, language, subculture, counter-culture, hegemony and resistance
4. **Social Interaction and Social Structure:** Socialization: Agencies of socialization, socialization and life cycle; social interaction, exchange, status, role, group, types of group
5. **Social institutions:** Definition, nature and role of institutions, family and marriage, economic institution, political institutions, education, bureaucracy, property
6. **Social Stratification and Mobility:** Meaning of stratification, slavery, caste, class, role and status, age, gender. Social mobility; factors affecting mobility
7. **Deviance and Social Control:** Definition of deviance, theories of deviance; crime and justice system; agencies of social control
8. **Social Problems of Bangladesh:** Poverty, unemployment, prostitution, HIV/AIDS, population problem, corruption, disaster, violence against women, child trafficking and pornography
9. **Social Change:** Definitions, causes of social change, current changes: globalization and its impact

Books Recommended:

- | | |
|--|--|
| 1. R. T. Schaefer (2009) Sociology | |
| 2. Giddens Sociology | |
| ৩. নাজমুল করিম | : সমাজবিজ্ঞান সমীক্ষণ |
| ৪. হাসানুজ্জামান চৌধুরী | : সমাজবিজ্ঞানের প্রত্যয়, বুক চয়েজ বাংলাবাজার |
| ৫. স্যামুয়েল কোনিগ | : সমাজবিজ্ঞান (অনুবাদ-রংগলাল সেন) |
| ৬. ড. রংগলাল সেন ও বিশ্বম্ভর কুমার নাথ | : প্রারম্ভিক সমাজবিজ্ঞান |
| ৭. রংগলাল সেন | : বাংলাদেশের সামাজিক সড়ক বিন্যাস |
| ৮. ড. হাবিবুর রহমান | : সমাজ বিজ্ঞান পরিচিতি |
| ৯. এস আমিনুল ইসলাম | : সমাজ বিজ্ঞান পরিচিতি বিএসও ২০০১ সমাজতত্ত্ব, বাংলাদেশ উন্মুক্ত বিশ্ববিদ্যালয় |

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Sociology (2nd Paper)
Paper Code: 122

Paper Title: Social History & Anthropology

Marks : 100
Credits : 4

Part-1: Social History

1. **Introduction:** Definition, scope, importance and recent trends in social history. Relation of social history with sociology, history, and anthropology
2. **Culture of Prehistoric Age:** (a) The Eolithic or early Stone Age (b) The Neolithic or new Stone Age
3. **Civilizations:** River valley civilizations-- Egyptian Civilization, Babylonian civilization, Chinese civilization and Indus valley civilization
4. **Rise and Fall of Greek and Roman civilizations**
5. **Political and Social Structure of Feudalism in the Middle Ages:** The manorial system, cities in the middle ages, economy, conflict between the pope and the emperor; education, origin and growth of the universities, philosophy, renaissance
6. **Advent of Capitalism and Industrial Society:** Historical forces relating to the growth of capitalism, capitalism and rapid social change

Books Recommended:

1. Burns and Ralph, *World Civilization* (Abridged edition)
2. Gordon Childe, *What Happened in History*
3. James Edgar Swain, *A History of World Civilization*
4. Clive Bell, *Civilization*
6. T. W. Wallbank and M. A. Taylor, *Civilization, Past and present.* (vol.1)
7. Thompson, *History of the Middle Ages.* (Vols. 2)
8. Adams, *Civilization during the Middle Ages*
9. Thompson & Jonnson, *Introduction to the Middle Ages*
10. Oman, *The Dark Age*
11. Tout, *The Empire and the Papacy*
12. Lodge, *Close of the Middle Ages*
13. Edward M. Burns, Robert E. Lerner & Staudish Meacham, *Western Civilization*, 10th Edition
১৪. নূরুন্নাহার ও আঃ হালিম : মানুষের ইতিহাস (২য় খন্ড)
১৫. এ কে এম শাহনাওয়াজ : বিশ্ব সভ্যতা (প্রাচীন যুগ)
১৬. আবদুল মমিন চৌধুরী : প্রাচীন বাংলার ইতিহাস ও সংস্কৃতি
১৭. মানুষের সমাজ : জর্জ সিমসন (অনুবাদ- ড. রংগলাল সেন)
১৮. রেবতি মোহন বর্মণ : সমাজ ও সভ্যতার ক্রমবিকাশ
১৯. মাহমুদা ইসলাম : সামাজিক ইতিহাসের পটভূমিকা
২০. রতন লাল চক্রবর্তী : সভ্যতার পটভূমি

Part- 2: Anthropology

Introduction: Physical and cultural anthropology and their specialized areas; importance of studying anthropology; schools of anthropology: evolutionism, functionalism, diffusionism

1. **Kinship and Descent:** Kinship: types and functions; kinship terminology; descent, lineage, clan, indigenous peoples, simple society; origin and evolution of marriage and family
2. **Economic Organizations:** Property ownership and law of inheritance in archaic societies, food gathering and food producing economies, shifting cultivation; exchange and distribution: reciprocity, kula ring, redistribution, potlatch, market system
4. **Political Organizations:** Pattern of leadership & its evolution; origins of state: theories developed by anthropologists Morgan, Lowie, Fried, Childe & Service
5. **Religion:**
 - a. Theories relating to the origin of religion: animism & animatism
 - b. Magic, science & religion: role & functions of magic & religion
6. **Selected Ethnic Communities in Bangladesh:**
Chakma, Marma, Garo, Khashia, Santals, Rakhaines

Books Recommended:

Ember and Ember: *Anthropology*

Barnouw: *An Introduction to Anthropology*

Kottak: *Cultural Anthropology*

Taylor : *Cultural Ways*.

শামসুল আরেফীন (সম্পাদিত)	:	বাংলাদেশের নৃবিজ্ঞান
মর্গান	:	আদিম সমাজ (অনুঃ বুলবন ওসমান)
অজয় রায়	:	আদি বাঙালী : নৃতাত্ত্বিক ও সমাজতাত্ত্বিক বিশ্লেষণ
মাহমুদা ইসলাম (অনূদিত)	:	নৃতত্ত্বের সহজ পাঠ
ড. মুহাম্মদ হাবিবুর রহমান	:	নৃবিজ্ঞানের রূপরেখা

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Sociology (3rd Paper)
Paper Code: 221

Paper Title: Classical Social Thought

Marks : 100
Credits : 4

1. **Plato:** Ideal state and philosopher king, communism, society and justice, theory of education, family and marriage
2. **Aristotle:** Origin and nature of state, approach to slavery, theory of property, classification of government, causes and prevention of revolution
3. **Augustine:** Earthly and heavenly city
4. **Kautilya:** Laws of economy and production, administration and diplomacy
5. **Acquinas:** Kinship, types of laws, synthesis of laws
6. **Ibn Khaldun:** New Science, Study of culture, concept of Asabiyah (social solidarity), rise and fall of dynasty (civilization)
7. **Machiavelli:** Idea of strong nation state, characteristics of ruler (Prince), conflict between mass people and ruling class, morality and state policy
8. **Hobbes:** The state of nature, the social contract, sovereignty, civil and natural laws
9. **Locke:** The state of nature, concept of slavery, property and political society
10. **Rousseau:** The concept of man, social contract, origin of private property & rise of equality

Books Recommended:

1. Barnes, H.E. : Social Thought from Lore to Science
2. Bogardus : The Development of Social Thought
3. Chamblis : Social Thought
4. Sabine. G.H. : History of Political Thought
5. St. Agustin : The City of God
6. St. Thomas Aquinas : On Kinship
৭. Zeitlin, Irving M. : Ideology and the Development of Sociological Theory
৮. সরদার ফজলুল করিম : প্লেটোর রিপাবলিক
৯. সরদার ফজলুল করিম : এ্যারিস্টটলের পলিটিকস (অনুবাদ)
১০. ইবনে খালদুন : 'আলমুকাদিমা' (অনুবাদ : নূর মোহাম্মদ মিয়া)
১১. আখতার-উল-আলম : ইবনে খালদুন (জীবনী ও চিন্তাধারা)
১২. কাজী তোবারক হোসেন ও মুহাম্মদ হাসান ইমাম (সম্পাদিত) : আধুনিক সমাজবিজ্ঞানের চিন্তা ও তত্ত্ব

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Sociology (4th Paper)
Paper Code: 222

Paper Title: Social Psychology

Marks : 100
Credits : 4

- 1. Introduction:** The science of social psychology, history of its development, methods used in social psychology.
- 2. Socialization:** Processes and products, cultural influences on behaviours
- 3. Social perception:** Basic processes affecting perceptual response, perceptual defense, perceptual accentuation, person perception
- 4. Attitude:** Formation of attitudes, measurement of attitudes, processes of attitude change, some theories of attitude change, persuasive attitude change
- 5. Group Structures and Processes:** Kinds of groups, methods of studying group processes
- 6. Communication and language:** The process of communication; language, culture and thinking; non-verbal communication
- 7. Personality:** Personality and culture; impact of culture on personality formation and development; theories of personality development—Freud, Adler
- 8. Leadership:** The meaning of leadership and its types, traits of leader, role of leaders; leadership and social change
- 9. Mass behavior:** Crowd, audience, mob, rumour, fashion, fad, craze, propaganda
- 10. Public opinion:** Processes and factors of public opinion, agencies of public opinion

Books Recommended:

1. Hollander, E.P. *Principles and Methods of Social Psychology*. New York: Oxford University Press.
2. Krech, D., Crutchfield R.S. and Ballachey, E.L. *Individual in Society*. New York; Tokyo: McGraw Hill Co. Ltd.
3. Lindgren, H.C., *An Introduction to Social Psychology*. New York: Wiley and Sons.
4. Sargent, S.S. and Williamson, R.C. *Social Psychology*. New York: The Ronald Press.
5. Secord, P.F. and Backman, *Social Psychology*. McGraw Hill.

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Sociology (5th Paper)
Paper Code: 321

Paper Title: Sociology of Environment

Marks : 100
Credits : 4

1. **Introduction:** Definition and scope of sociology of environment, sociology and environment, origin and development of sociology of environment
2. **Basic Concepts:** Environment, ecology, ecosphere, ecosystem, and food chain; social and physical environment
3. **Population, Development and Environment:** population explosion and environment; impact of population on environment--recent evidences
4. **Environmental Issues and Disasters:** Land use and land cover change, forests, bio-diversity, loss of bio-diversity; atmosphere and climate change and air pollution; global warming: sea level rise and its impact; supply of fresh water, water pollution, arsenic contamination of water and health hazards; flood's, cyclones, and river bank erosion; earthquake
5. **Social Process and Environmental Degradation:** Industrialization and technological change, urbanization; development and energy consumption; poverty and environment
6. **Gender and Environment:** Impact of environment on children, women, and men; gender responses to environmental problems
7. **Environmental Policy and Planning:** Environmental planning, government policies and programs: social forestry, disaster management; environmental education and awareness.

Books Recommended:

1. Kemp David, *Global Environmental Issues*, London. Routledge, 1990
2. Hannigan, John A., *Environmental Sociology : Social Theory and Global Environment*, 1995
3. M. Redclift and T Benton (ed.), *Social Theory and Global Environment*, 1994
4. Dankelman, Irene and Joan Davidson, *Women and the Environment in the Third World*, 1998
5. Shiva, Vandana and Maria Mies, *Ecofeminism*. London. Zed Press, 1993
6. Gain, Philip. *Bangladesh Environment: Facing the 21st Century*, Dhaka: SEHD, 1998
7. Dasgupta, Samir, *Understanding Global Environment*, Swarabh printers, 2009
8. Dasgupta, Samir, *Women's Encounter with Disaster*, Front page publication ltd. 2010
9. মাহবুবা নাসরীন, ড. খোন্দকার মোকাদ্দেম হোসেন ও দেবশীষ কুমার কুন্ডু, ২০০৬, *পরিবেশ সমাজবিজ্ঞান*, ঢাকা: তপন প্রকাশন
১০. হাসানুজ্জামান চৌধুরী, *পরিবেশ ও পুঁজিবাদ*।

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Sociology (6th Paper)
Paper Code: 322

Paper Title: Sociology of Bangladesh

Marks : 100
Credits : 4

1. **The Social Background of Bangladesh Society:** The ecological context; nature of village society; religion, culture and ethnicity; the British colonialism and its impact; Pakistan era: the internal colonialism — emergence of Bangladesh: language movement — liberation war
2. **Population:** Population composition: age-sex-marital status, literacy and labour force; population change: fertility-mortality-migration and population control.
3. **Economy of Bangladesh:** Rural economy: farm and non-farm activities, problems of agrarian transformation; urban economy: industrial growth, working class, underclass; informal economy; problems of industrialization; migration: rural-urban migration, international migration: remittance economy
4. **Social Inequality:** Nature of social inequality in Bangladesh; income inequality, gender inequality, ethnic inequality, status inequality; occupational structure in Bangladesh; growth and nature of middle class; poverty trends
5. **Politics and Movement:** Nature of the state, bureaucracy and political parties in Bangladesh; political culture; governance problems in Bangladesh; local governments in Bangladesh; Social Movements.
6. **Crime and Deviance:** Pattern and forms of crime in Bangladesh; penology and correctional methods in Bangladesh; criminal laws and judiciary in Bangladesh; police, civil society and prevention of crime in Bangladesh
7. **Culture:** Social groups and language; pattern of religious beliefs and rituals in Bangladesh; pattern of cultural change and problems of cultural identity
8. **Education:** Structure of education: primary-secondary-higher; education and social structure: differential access to education-class and social mobility-socialization and social control; education policy: problems and prospects.

Books Recommended:

1. Nazmul Karim, *Dynamics of Bangladesh Society*.
2. A.M. Chowdhury and Fakrul Alam (eds.), *Bangladesh at the Threshold of the Twenty-first Century*, Dhaka : Asiatic Society, 2002
3. Kamal Siddiqui, *Jagatpur*, Dhaka : UPL, 2000
4. Ashabur Rahman, *Bangladesher Krishi Kathamo, Krishak Samaj O Unnayan*, Dhaka: UPL, 1986
5. Akbar Ali Khan, *Discovery of Bangladesh*. Dhaka :UPL 1996

RESTRICTED

৬. কামাল সিদ্দিকী : বাংলাদেশের গ্রামীণ দরিদ্র : স্বরূপ ও সমাধান
৭. আসাবুর রহমান : বাংলাদেশের কৃষি কাঠামো : কৃষক সমাজ ও উন্নয়ন
৮. বদরুদ্দীন উমর : বাংলাদেশের রাজনৈতিক সংস্কৃতি
৯. হোসেন জিলুর রহমান : মাঠ গবেষণা ও গ্রামীণ দরিদ্র
১০. কাজী তোবারক হোসেন ও মুহাম্মদ হাসান ইমাম (সম্পাদিত): বাংলাদেশের গ্রাম
১১. অনুপম সেন : বাংলাদেশ : রাষ্ট্র ও সমাজ
১২. মাহবুব হোসেন : বাংলাদেশের পল্লী উন্নয়ন : সমস্যা ও সমাধান
১৩. আবুল মনসুর আহমেদ : বাংলাদেশ কালচার
১৪. গাজী সালেহ উদ্দিন : বাংলাদেশের ভূমিসত্ত্ব, ভূমি সংস্কার ও গ্রামীণ উন্নয়ন
১৫. আবদুল মওদুদ : মধ্যবিত্ত সমাজের ক্রমবিকাশ
১৬. নীহার রঞ্জন রায় : বাংলার ইতিহাস
১৭. বিনয় ঘোষ : বাংলার ইতিহাস
১৮. কামাল সিদ্দিকী : বাংলাদেশের ভূমি সংস্কারের রাজনৈতিক অর্থনীতি
১৯. বোরহান উদ্দিন খান জাহাঙ্গীর : গ্রামাঞ্চলে ধনতন্ত্রের বিকাশ
২০. আনু মুহাম্মদ : বাংলাদেশের গ্রামীণ সমাজ ও অর্থনীতি
২১. ড. এ কে এম নূর-উন-নবী, গবেষণা পদ্ধতি (বিএসও-৬৩০৫), সমাজতত্ত্ব ৫, বাংলাদেশ উন্মুক্ত বিশ্ববিদ্যালয়
২২. ড. এ কে এম নূর-উন-নবী, সামাজিক পরিসংখ্যান পরিচিতি বিএসও-৫৩০৪, সমাজতত্ত্ব ৪, বাংলাদেশ উন্মুক্ত বিশ্ববিদ্যালয়

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Social Work (1st Paper)
Paper Code: 123

Paper Title: History and Philosophy of Social Work

Marks : 100

Credits : 4

1. **Some Concepts Related to Social Work:** Individual, Group, Community, Society, Social Work, Social Welfare, Social Service, Social Reform, Social Security, Social Legislation, Social Change.
2. Definition, Objectives, Scope and Necessity of Social Work. Social Work-a Science or an Art.
3. **Relationship of Social Work with other Social Sciences:** Sociology, Anthropology, Economics, Psychology, Political Science, Philosophy and Public Administration.
4. **Evolution of Social Work in England:** The Elizabethan Poor Law of 1601. The poor Law JReform of 1834, Charity Organization Society (COS). The Poor Law Commission of 1905. The Beveridge Report.
5. **Evolution of Social Work in USA:** State Board of Charities, The Economic Depression of 1873 and COS, The Great Depression of 1929 and Social Services.
6. **Social Welfare in Indian Sub-Continent:** Ancient, Medieval and British Period, Evolution of Social Work Education in Bangladesh.
7. **Reform Movements, Reformers and Welfare Activists Socioeconomic Movements:**
 - a) Brahma Samaj, Faraizee Movement, Ram Krishna Mission, Mohamedan Literary Society and Aligarh Movement, Permanent Settlement and Peasant Movement, Tebhaga Movement, Nankar Movement.
 - b) Iswar Chandra Bidyasagar, Nawab Faizunnessa, Nawab Sir Salimullah, Begum Rokeya and A.K. Fazlul Huq, Raja Rammohon Roy.
8. **Social Work as a Profession:** Definition Characteristics, Evolution of Social Work Profession, Difference between Professional Social Work and non-Professional Social Work.
9. **Social Legislation:** Definition Objectives and Importance of social Legislation. Some Social Legislations of Bangladesh: The Labour Act 2006, The Muslim Family Laws Ordinance of 1961, The Children Act of 1974, The Family Court Ordinance, 1985, and The Women and Children Repression Prevention (Amendment) Act 2003.

Books Recommended:

1. Compton, B.R. and Galaway, B. (1979). *Social Work Processes*. Illionois Homewood.
2. Friedlander, W.A Apte, Robert. (1982). *Introduction to Social Welfare* (5th ed.). New Delhi: Prentice Hall of India.
3. Khos. S.C. *The Roots of Social Work*. New York: Associates Press.
4. Skidmore, R.A. Thakery, M.G. (1964). *Introduction to Social Work*, New York.
5. A.T. Morales and B.W. Sheafor. (1992). *Social Work –A Profession of many faces* and Bacon, Singapore.
7. মিয়া, আবদুল হালিম। (২০০০)। স্নাতক সমাজকল্যাণ। ঢাকা: হাসান বুক হাউজ।

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Social Work (2nd Paper)
Paper Code: 124

Paper Title: Needs and Social Problems in Bangladesh

Marks : 100
Credits : 4

1. **Needs:** Meaning, Nature, Physical, Social, Psychological, Economic and Cultural Needs, Needs of Children, Youths, Women and Older Persons.
2. **Basic Human Needs:** Food, Clothing, Education, Health and Recreation, Problems of meeting Basic Needs, Problems evolved due to Unmet Basic Needs.
3. Problems Related to Children, Youths, Women and Older Persons in Bangladesh.
4. **Social Problems:** Definition, Characteristics, and Causes of Social Problems, Social Problems in Bangladesh – Population Explosion, Poverty, Illiteracy, Unemployment, Beggary, Malnutrition, Crime and Delinquency, Youth Unrest, Ageing, Drug Addiction, Role of Social Worker to Combat Social Problems.
5. **Industrial Revolution:** a) Definition and Characteristics, Impact of Industrial Revolution on Human Life, Industrial Revolution and Social Welfare; Contributions of Industrial Revolution to the Growth and Development of Social Welfare. b) Industrialization and Urbanization: Definition and Characteristics of Industrialization. Impact of Industrialization Socio-economic life. Definition and Characteristics of Urbanization, Problems related to Industrialization and Urbanization.
6. **Social Development:** Meaning, Characteristics and Indicators of Social Development. Differences between Social and Economic Development. Significance of Social Development.
7. **Individual and Society:** Relationship between Individual and Society; Individualism: Definition and Characteristics, Strengths and Weaknesses.
8. **Democracy, neo-liberal democracy and globalization:** The Needs and Problems that are emerging in our society due to the process of globalization.

Books Recommended:

1. Merton, R.K. and Nisbet, R.A. (1968). *Contemporary Social Problems*. New York: Holt Richart and Coinston.
2. Sharma, Rajendra K. (1988). *Social Problems and Welfare*. New Dehli: Allants Publications.
3. Zastrow, Charles. (1996). *Social Problems Issues and Solutions*. Chicago: Wetson Hall.
৪. তালুকদার, মোঃ আবদুল হক। (২০০০)। *ডিগ্রি সমাজকল্যাণ পরিচিতি*। ঢাকা: আইডিয়াল লাইব্রেরি।
৫. মিয়া, আবদুল হালিম। (২০০০)। *স্নাতক সমাজকল্যাণ*। ঢাকা: হাসান বুক হাউজ।
৬. মিয়া, আবদুস সামাদ। (১৯৯৮)। *আধুনিক সমাজকল্যাণ*। ঢাকা: পুথিঘর।

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Social Work (3rd Paper)
Paper Code: 223

Paper Title: Social Policy, Planning and Social Welfare Services in Bangladesh

Marks : 100

Credits : 4

1. **Social Policy:** Meaning and Goals of Social Policy, Factors Influencing in Social Policy Formulation Process, Principles of Social Policy
2. **Different Social Policies in Bangladesh:** Education Policy, Health Policy, Population Policy, Child Welfare Policy, Youth Development Policy, Women Development Policy.
3. **Plan and Planning:** Meanings, Types, Classification, Pre-requisites of Effective Planning.
4. **Programme Planning in Bangladesh,**
 - a) **5th Five Year Plan:** Social Welfare Programme Planning in Bangladesh.
 - b) **6th Five Year Plan:** Problems in Plan Formulation in Bangladesh.
5. **Government Social Services in Bangladesh:**
 - a) **Programmes under Social Service Department:** Urban Social Servicess (USS), Rural Social Service (RSS), Child Welfare, Correctional Services, Hospital Social Services, Training and Rehabilitation Programmes for the Handicapped and other Services.
 - b) **Social Services Department:** Bangladesh Rural Development Board, Labour Welfare, Family Planning, Youth Welfare, Co-operative and Women Welfare.
6. **Voluntary Social Welfare Agencies in Bangladesh:** History, Development, Present Situation and Problems, Role and significance **Voluntary Agencies of Bangladesh:** Bangladesh Child Welfare Council, Diabetic Association of Bangladesh, Bangladesh Red-Crescent Society, **ASA**, Proskika, **BRAC**, Dhaka Ahsania Mission, Shishu Adhikar Forum, Probin Hitoishi Shangha and National Council of Social Welfare.
7. **International Organization of Social Welfare in Bangladesh.**
 - a) UN Cooperation-ILO, FAO, WHO, UNESCO, UNICEF, UNFPA and UNDP.
 - b) Cooperation through International Voluntary Agencies – CARE, World Vision, Red Cross/Red-Crescent Society.
8. **Administration and Coordination System of Department of Social Services:**
 - a) Administrative System of Social Welfare Programmes in Bangladesh, Administrative Structure of the Department of Social Services.
 - b) Coordination: Definition, Co-ordination of Social Welfare Programmes in Bangladesh, Problems of Coordination of Social Welfare Programmes in Bangladesh.
9. **Social Security:** Definition, Types and Importance. Evolution of the Concept of Social Security, Social Security Programmes in Bangladesh.

Books Recommended:

1. Dahiya, S. Bhagman, (ed.). (1982). *Development Planning Models*. New Delhi: Inter-India Publication.
2. Jansson, Brauce S. (1994). *Social Policy from Theory to Practice-Comparative Analysis*. London: Publishing Company. Livingstone, Arthur. (1996). *Social Policy in Developing Countries*. London: Kegan Paul.
3. Sharma P.N. and Shastri, C. (1981). *Social Planning Concepts and Techniques*. Lucknow: Print House.
4. Titmuss Richard, M. (1990). *Social Policy: An Introduction*, London: Urwin Otyman.
5. Chowdhury, D.Paul. (1981). *A Handbook of Social Welfare*. New Delhi: Ram and Sons.
6. Marshall, T.H. (1970). *Social Polic*. London: Hatchinson University.
7. Mishro, Ramesh. (1981). *Society and Social Policy*. Heinemen Education Book.
৮. ইসলাম, আ,স,ম, নুরুল রহমান, হাবিবুর । (১৯৯৮) । *সমাজকল্যাণ নীতি ও কর্মসূচী* । ঢাকা: বাংলা একাডেমী ।
৯. মিয়া, আবদুল হালিম । (২০০০) । *স্নাতক সমাজকল্যাণ* । ঢাকা: হাসান বুক হাউজ ।
১০. সামাদ, মোঃ আবদুস । (১৯৯৮) । *আধুনিক সমাজকল্যাণ* । ঢাকা: পুথিঘর ।

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Social Work (4th Paper)
Paper Code: 224

Paper Title: Methods of Social Work

Marks : 100
Credits : 4

1. **Basic and Auxiliary Methods of Social Work:** Generic Principles of Social Work, Interrelatedness of Basic and Auxiliary Methods, Integration of Social Work Methods.
2. **Social Case Work:** Definition, Elements, Objectives and Characteristics, Steps of Social Case work, Basic Principles of Case Work, Social Case Work as a Problem Solving process, Scope of Social Case Work in Bangladesh, Role and Functions of Case Worker, Fields of social case work practices
3. **Social Group Work:** Definition, Elements, principles and Objectives of Social Group Work, Group dynamics, Role of Group Worker. Group Process and Group Work Process, Role and Functions of Social Group Worker, Fields of group work practices in Bangladesh.
4. **Community Social Work (Community Development and Community Organization):** Definition, Aims, Elements, Principles and Steps of Community Development and Community Organization, Role of Community Organization, Differences between Community Development and Community Organization, Scope of Community Development and Community Organization in Bangladesh.
5. **Social Welfare Administration:** Definition, Aims, Importance and Characteristics, Principles and Functions of Social Welfare Administration.
6. **Social Action:** Definition, Aims, Steps and Necessity. Application of social Action in different fields in Bangladesh.
7. **Social Work Research:** Definition, aims, objectives, Types of Social Research, Steps in Social Research, Methods of Data collection: Interviewing, Questionnaire, observation, Home visit, Group Discussion.

Books Recommended:

১. ইসলাম, আ,স,ম, নুরুল ও রহমান, হাবিবুর। (১৯৯৮)। *সমাজকল্যাণ নীতি ও কর্মসূচী*। ঢাকা: বাংলা একাডেমী।
২. রহমান, এ,এস,এম আতীকুর ও সৈয়দ শওকতুজ্জামান। (২০০২)। *সমাজ গবেষণা পদ্ধতি*। ঢাকা: নিউ এইজ।
3. Friedlander, W.A. (1997). *Concepts and Methods of Social Work*. New York: Prentice Hall Inc.
4. Hussain, N. Alauddin, M. *Introduction to Social Work Methods*. Dhaka: College of Social Welfare and Research.
5. Ross, Murry, G. (1955). *Community Organization: Theory and Principles*. New York: Brokers.

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Social Work (5th Paper)
Paper Code: 323

Paper Title: Social Research and Statistics

Marks : 100
Credits : 4

A: Social Research

1. Social Research: Meaning, Characteristics, Use and Importance. Research as a Scientific Method. Elements of Scientific Method Fact, Concept, Variables, Assumption, Hypothesis and Theory.
2. Types of Social Research: Basic or Fundamental and Applied or Operational Research, Action Research, Exploratory, Explanatory Social Work Research.
3. Methods of Social Research: i) Pre Experimental Research Survey, Case Study, Content Analysis. Ethnography, ii) Experimental Research.
4. Steps in Social Research: (i) Identification of Problem, (ii) Review of Literature, (iii) Formulation of Hypothesis (i) Research Design (v) Techniques of Data Collection, (vi) Processing and Analysis of Data, (vii) Report Writing (Presentation of Findings)
5. Limitation and Problems in Social Research in Bangladesh, Values in Relation to Social Research, Utility of Social Research in Social Work.

B: Statistic

1. Introduction: Definition, Characteristics, Functions, Scope and Importance of Statistics, Importance and uses of Statistics in Social Research and Social Work Research, Limitations of Statistics.
2. Presentation of Data: Classification, Tabulation, Frequency Distribution, Presentation of Data on Graphs and Diagram Percentage, Rate and Ratio.
3. Measures of Central Tendency: Necessity and Importance of Central Tendency, Arithmetic Mean, Geometric Mean, Harmonic Mean, Median and Mode their Computation and Application in Social Research.
4. Measures of Dispersion: Necessity and Importance of Dispersion. (i) Absolute Measures of Dispersion (Range, Quartile Deviation, Mean Deviation, Standard Deviation, Variance), (ii) Relative Measures of Dispersion (Co-efficient of Range, Co-efficient of Quartile Deviation, Co-efficient of Mean Deviation, Co-efficient of Variance), Computation and Properties, Moments, Skewness and Kurtosis.
5. Correlation and Regression Analysis: Simple Correlation, Co-efficient of Correlation, Types of Correlation, Scatter Diagram, Rank.

Books Recommended:

বেগম, নাজমির নূর। (১৯৮১)। সামাজিক গবেষণা পরিচিতি। ঢাকা: নলেজ ভিউ।

Admas, G.R. & Schvaneveldt, Jay D. (1985). *Understanding Research Methods*. New York: Longman.

Bailey, Kenneth, D. (1982). *Methods of Social Research*, (2nd ed.). New York: Free Press.

Blalock A.B. & Blalock M.M. (1982). *Introduction to Social Research*, (2nd ed.). New Jersey : Prentice Hall, Englewood Cliffs.

Ghose. B. N. (ed.). (1986). *Scientific Methods and Social Research*. New Delhi: Staring Publishers.

Gupta, Santoah. (2003). *Research Methodology and Statistical Techniques*, Delhi: Deep and Deep.

Gupta, S.P. and Gupta, M. P. (1990). *Business Statistics*. New Delhi: Sultan Chand and Sons. Mostafa, M.

G. (1972). *Methods of Statistics*. Dhaka: Anwari Publication.

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Social Work (6th Paper)
Paper Code: 324

Paper Title: Field Work Education

Marks : 100
Credits: 4

1. Field Work: Meaning, Objectives, Types and Scope, Historical background, Problems and Prospects of Field work in Bangladesh.
2. Field Practice in Social Work: Criteria of field placement, Concurrent field work, Block Placement, Supervision, Nature of Students Performance.
3. Field Work Practice in Different Settings: Field work Practices in NGOs and Government Program Medical and Non Medical, Psychiatric, Correctional and Community Settings.
4. Code of Ethics in Field Work Practice, Ethical Objectives and Principles, Different Ethical Standard and Responsibilities of Social Workers to the Clients, Colleagues, Settings, Legal and Ethical Concern of Field Work With Special Reference to Bangladesh.
5. Procedures of Field Work Practice, Placement, Formulation of Assignment, Case Management, Preparing Case Study, Supervising and Monitoring Daily Work, Process Recording and Report Writing.

Books Recommended:

- Raj, Bhanti. (1986). *Field Work in Social Work Perspectives*. Dhaka: Himashw Publications.
- Rogers, Gayla (Ed). (1995). *Social Work Field Education: View and Visions*. Dubuque Iowa: Kendall/Hunt Pub.
- Royse, David.Dhooper, Suriit Singh. and Rompf, Elizabeth Lewis. (2010). *Field Instruction: A Guide for Social Work Students*,(6th ed.). Boston: Allyn & Bacon.

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Political Science (1st Paper)
Paper Code: 125

Paper Title: Political Theory

Marks : 100

Credits: 4

1. **Political Science:** Meaning, Nature, Scope, Methods, Relations to other Social Science, Importance to Study Political Science.
2. **State:** Definition, Elements, State and Government, State and Society, Theories of origin of the state.
3. **Fundamental concepts:** Sovereignty, Law, Liberty, Equality, Rights and Duties, Nation, Nationalism, Internationalism.
4. **Political Thinkers:** Plato, Aristotle, St. Augustine, St. Thomas Aquinas, Machiavelli, Hobbes, Locke and Rousseau.

Books Recommended:

- | | | | |
|-----|-----------------------|---|--|
| 1. | R. G. Gettell | : | <i>Political Science</i> |
| 2. | J. W. Garner | : | <i>Political Science and Government</i> |
| 3. | R. M. MacIver | : | <i>The Modern State</i> |
| 4. | G. H. Sabine | : | <i>A History of Political Theory</i> |
| 5. | William Ebenstein | : | <i>Great Political Thinkers-Plato to the Present</i> |
| 6. | H. G. Laski | : | <i>A Grammar of Politics</i> |
| 7. | মুহাম্মদ আয়েশ উদ্দীন | : | রাষ্ট্রচিন্তা পরিচিতি |
| 8. | এমাজউদ্দিন আহমদ | : | মধ্যযুগের রাষ্ট্রচিন্তা |
| 9. | মোঃ দরবেশ আলী খান | : | পে-টো ও এরিস্টটলের রাজনৈতিক চিন্তা |
| 10. | সরদার ফজলুল করিম | : | পে-টোর রিপাবলিক |

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Political Science (2nd Paper)
Paper Code: 126

Paper Title: Political Organization and The Political System of UK and USA

Marks : 100

Credits: 4

1. **Constitution:** Meaning and significance, Classification, Methods of Establishing Constitution. Prerequisites of a good constitution.
2. **Forms of Government:** The Concept to Traditional and Modern Forms, Democracy, Dictatorship, Parliamentary, Presidential, Unitary and Federal.
3. **Theory of Separation of Power:** Meaning, Significance and Working.
4. **Organs of Government:** Legislature, Executive, Judiciary and Electorate.
5. **Political Institution and Behaviour:** Political Parties, Pressure Groups and Public Opinion.
6. **British Political System:** Nature, Features and Sources of the Constitution, Conventions, Monarchy, Parliament, The Prime Minister and the Cabinet, Party System.
7. **American Political System:** Nature and Features of the Constitution, The System of Checks and Balances, The President and Congress, Judiciary and Political Parties.

Books Recommended:

- | | | | |
|-----|----------------------|---|---|
| 1. | K. C. Wheare | : | <i>Modern Constitution</i> |
| 2. | K. C. Wheare | : | <i>Federal Government</i> |
| 3. | W. F. Willoughby | : | <i>The Government of Modern State</i> |
| 4. | C. F. Strong | : | <i>Modern Constitution</i> |
| 5. | R. M MacIver | : | <i>The Web of Government</i> |
| 6. | H. Finer | : | <i>Theory and Practice of Modern Government</i> |
| 7. | ড. মোঃ মকসুদুর রহমান | : | রাষ্ট্রীয় সংগঠনের রূপরেখা |
| 8. | ড. ওদুদ ভূঁইয়া | : | রাষ্ট্রবিজ্ঞান |
| 9. | বিপুল রঞ্জন নাথ | : | রাষ্ট্রীয় সংগঠন |
| 10. | নির্মল কান্তি ঘোষ | : | আধুনিক রাষ্ট্রবিজ্ঞানের ভূমিকা |

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Political Science (3rd Paper)
Paper Code: 225

Paper Title: Government and Politics in Bangladesh

Marks : 100

Credits: 4

- 1. Political Background and Constitutional Development:** Growth of Nationalism, Partition of Bengal– 1905 and its Annulment, Formation of Muslim League-1906, Act of 1909, 1935. Lahore Resolution-1940, Cripps Mission-1942, Cabinet Mission Plan-1946, Indian Independence Act of 1947.
- 2. Emergence of Bangladesh:** Language Movement of 1952, Elections of 1954, Constitution of 1956 and 1962. Autonomy Movement and the 6-point Programme, Mass Upsurege of 1969, Elections of 1970, War of Liberation and Birth of a New Nation.
- 3. The Constitution of Bangladesh:** Constitution making 1972, Features, Fundamental Principles Constitutional Amendments.
- 4. Major Political Trends:** Sheikh Mujib Regime, Military intervention and Zia Regime, Ershad Regime and the struggle for democracy, the Fall of Ershad Regime, Working of Parliamentary Government.

Books Recommended:

- | | | | |
|----|----------------------------------|---|--|
| 1. | A. B. Keith | : | <i>Constitutional History of India</i> |
| 2. | Jennings | : | <i>Constitutional Problems in Pakistan</i> |
| 3. | G. W. Choudhury | : | <i>Democracy in Pakistan</i> |
| 4. | K. B. Sayeed | : | <i>Pakistan- The Formative Phase.</i> |
| 5. | Waresul Karim | : | <i>Election Under a Creataker Government, Dhaka: UPL, 2004</i> |
| 6. | আবুল মনসুর আহমদ | : | আমার দেখা রাজনীতির পঞ্চাশ বছর |
| 7. | আবুল ফজল হক | : | বাংলাদেশের শাসন ব্যবস্থা ও রাজনীতি |
| 8. | বদরুদ্দিন | : | পূর্ব বাংলার ভাষা আন্দোলন ও তৎকালীন রাজনীতি (১-৩ খন্ড) |
| 9. | ড. সৈয়দ আতিকুল ইসলাম ও অন্যান্য | : | স্বাধীন বাংলাদেশের অভ্যুদয়ের ইতিহাস |

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Political Science (4th Paper)
Paper Code: 226

Paper Title: Political Economy of Bangladesh

Marks : 100

Credits: 4

- 1. Political Economy:** Meaning of Political Economy, Relations between Politics and Economics, Development of State activity and Socio-Economic Functions of Modern State.
- 2. State and Economy:** Capitalism, Socialism, Mixed Economy, Intermediate Regime and Free Market Economy.
- 3. Economic Development:** Meaning and Pre-conditions, Characteristics of Developed, Underdeveloped and Developing Countries, Problems of Economic Development in Bangladesh.
- 4. Bangladesh Agriculture:** Importance of Agriculture in the Economy of Bangladesh, Problems of Agriculture and Food-its remedies, Agricultural Policies, Agricultural Credit, Land Ownership, Land reforms, Green Revolution.
- 5. Bangladesh Industries:** Industrialization in Bangladesh, State Sector vs. Private Sector and Foreign Direct Investment.
- 6. Unemployment in Bangladesh:** Meaning, Different Forms, Causes of Unemployment, Measures to solve the problems.
- 7. Poverty in Bangladesh:** Nature and causes, Measures for removing poverty.

Books Recommended:

1. Dalton : *Principles of Public Finance*
2. B Higgins : *Economic Development: Principles, Problems and Politics*
3. CA Beard : *The Economic Basis of Politics.*
4. WW Rostow : *Stages of Economic Growth*
5. L Robson : *Politics and Economics.*
6. AH Hansen : *Nationalization-Public Enterprise and Economic Development.*
7. WA Robson : *Nationalized Industry and Public*
8. AR Khan : *The Economy of Bangladesh*
9. KL Seth : *Economic Aspects of Bangladesh.*
10. AMA Rahim : *Current Issues of Bangladesh Economy*
11. A Faruk : *Economic Development of Bangladesh.*
12. Emajuddin Ahmed : *The Development Strategy of Maximizing Agricultural Production and Its Impact on Economic Development in the Rural Areas of Bangladesh*

13. Rehman Sobhan & Muzaffer Ahmed : *Public Enterprise in an Intermediate Regime.*
14. M K Alamgir : *Land Reform in Bangladesh*
15. M K Alamgir : *Development Strategy for Bangladesh*
16. Azizur Rahman Khan and Mahabub Hossain: *The Strategy of Development in Bangladesh, (Macmillan).*
17. A Hamid Khan : *The Decades of Rural Development.*
18. Nizam Ahmed : *Parliament and Public Spending in Bangladesh.*

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Political Science (5th Paper)
Paper Code: 325

Paper Title: Local Government and Rural Politics in Bangladesh

Marks : 100

Credits: 4

1. **Bangladesh Rural Society:** Characteristic Main Features-Rural Social Structure Continuity and Changes
2. Approaches to the Study of Local Government.
3. **Local Government in Bangladesh:** Historical growth of local bodies.
4. **Structure of local bodies:** Linkage between formal structure and informal structure.
5. **Dynamics of local government in Bangladesh:** The Process of decision-making, The administration of Local finance, Local level planning.
6. **Local level Politics:** Emerging socio-anthropological structure, Rural Power Structure. The Pattern of leadership-politics of brokerage, Politics of factionalism: Patron-Client relation.
7. **Decentralization, bSocial Change:** Rural Development, Problems and trends, Political Participation.

Books Recommended:

1. Ahmed Shafiqul Haq, Politics and Administration in Bangladesh, Dhaka: UPL, 1988.
2. Ali Ahmed, Administration of Local Self-Government for Rural Areas in Bangladesh, Dhaka: NILG, 1979.
3. B. Hartmen and J.K. Boyce, A Quiet Violence: View from a Bangladesh Village, London: Zed Books, 1998.
4. Dalem Chandra Barman, Emerging Leadership Patterns in Rural Bangladesh, Dhaka: CSS, 1988.
5. Eliot Tepper, Changing Patterns of Administration in Rural East Pakistan, Michigan: Michigan state University Press, 1966.
6. Hasnat Abdul Hye (ed.), Village Studies in Bangladesh, Comilla: BARD, 1985.
7. Hugh Tinker, Foundations of Local Self-Government in India, Pakistan and Burma, London: Athlone Press, 1954.
8. Kamal Siddiqui (ed.), Local Government in South Asia: A Comparative Study, Dhaka: UPL, 1992.
9. M. Rashiduzzaman, Politics and Administration in the Local Councils, Dhaka: OUP, 1968.

10. Md. Moksuder Rahman, Politics and Development of Local Self Government in Bangladesh, Delhi: Devika Publications, 2000.
11. N. C. Roy, Rural Self-Government in Bengal, Calcutta: Calcutta University Press, 1936.
12. Najmul Abedin, Local Administration and Politics in Modernizing Societies: Bangladesh and Pakistan, Dhaka: Oxford University Press, 1973.
13. Nizam Ahmed, Bureaucracy and Local Politics in Bangladesh, Dhaka: A.H.D Publishing House, 2009.
14. R. Qadir and M. Islam, Women Representatives at the Union level as change agents of Development, Beijing: Newstar Publishers, 1995.
15. S. Maqsood Ali, Decentralization and People's Participation in Bangladesh, Dhaka: NIPA, 1981.
16. Shairul Masreck, Kinship and Power Structure in Rural Bangladesh, USA: Homeland Press and Publications, 1995.
১৭. মো: মকসুদুর রহমান, বাংলাদেশের স্থানীয় স্বায়ত্তশাসন, রাজশাহী: আলীগড় লাইব্রেরী, ২০০৫।
১৮. বি.কে জাহাঙ্গীর, বাংলাদেশের গ্রামাঞ্চল ও শ্রেণী সংগ্রাম, ঢাকা: সমাজ নিরীক্ষণ কেন্দ্র, ১৯৯৭।
১৯. আনু মোহাম্মদ, গ্রামীণ সমাজ ও অর্থনীতি, ঢাকা : ডানা প্রকাশনী, ১৯৮৭।
২০. আরেস ইয়েনেকা ও বুরদ্যান ইউস ফান, বগড়াপুর: গ্রাম বাংলার গৃহস্থ ও নারী, অনুবাদ: নিলুফার মতিন, ঢাকা: গণ প্রকাশনী, ১৯৮০।
২১. কামাল সিদ্দিকী, বাংলাদেশের গ্রামীণ দারিদ্র: স্বরূপ ও সমাধান, ঢাকা: ডানা প্রকাশনী, ১৯৮৫।
২২. বার্টোসি পিটার ডে, অস্পষ্ট গ্রাম: পূর্ব পাকিস্তানের গ্রামীণ সামাজিক কাঠামো এবং সম্প্রদায় ভিত্তিক সংগঠন, অনুবাদ: মোহাম্মদ আব্দুর রহমান মিয়া, ঢাকা: ন্যাশনাল ইনস্টিটিউট অব লোকাল গভর্নমেন্ট, ১৯৯২।
২৩. রহমান হোসেন জিল্লুর, মাঠ গবেষণা ও গ্রামীণ দারিদ্র: পদ্ধতি বিষয়ে কতিপয় সংলাপ, ঢাকা: ইউনিভার্সিটি প্রেস লি:, ১৯৯৪।

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Political Science (6th Paper)
Paper Code: 326

Paper Title: Women and Politics

Marks : 100
Credits: 4

1. **Women and Politics:** Historical and Theoretical Perspectives
2. **Status of Women:** Social, Legal, Religious and Political
3. Women's Participation in Politics, Organization and Movement
4. Women and Development: Strategies and Policies
5. Women and Globalization.
6. Women's Rights and the UN, CEDAW
7. Scope and Nature of Women's Participation in Bangladesh Politics: Election and Voting (Local and National); Political Parties (Leadership Role and Membership); Political Institutions; Legislature, Executive and Judiciary; Local Self-governing Bodies

Books Recommended:

1. Barbara A. Marshall, Engendering Modernity: Feminism, Social Theory and Social Change, UK; Polity Press, 1988
2. Barbara J. Nelson and Najma Choudhury, eds. Women and Politics Worldwide, New Haven and London: Yale Univ. Press, 1994
3. F.E. Stiftunug, Women in Politics, New Delhi: Har Anand Pub. 1993
4. Gould, /Carol, ed. Gender: Key Concepts in Critical Theory, NJ: Humanities Press, 1997
৫. আনু মোহাম্মদ, নারী পুরুষ সমাজ, ঢাকা: সন্দেশ, ১৯৯৭।
৬. আল মাসুদ হাসানউজ্জামান (সম্পাদিত) বাংলাদেশের নারী: বর্তমান অবস্থা ও উন্নয়ন প্রসঙ্গ, ঢাকা: ইউপিএল, ২০০২

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Economics (1st Paper)
Paper Code: 127

Paper Title: Microeconomics

Marks : 100

Credits: 4

Course Objective

The objective of this course is to provide an understanding of the basic concepts of microeconomics. The main focus of the course is to provide an introduction to the economic principles behind the determination of price based on the theory of demand, supply and production functions and on how equilibrium price and quantity are reached in selected markets.

Course Contents

1. **Definition and Subject Matter of Economics:** Distinction between micro & macroeconomics -some basic economic concepts - alternative economic systems - Capitalism, Socialism & Islamic Economics.
2. **Supply and Demand:** Concepts of supply and demand and the determinants, market equilibrium and shifts of market equilibrium, consumer's and producer's surplus, concepts and measurements of price elasticity of demand, income elasticity of demand, cross elasticity of demand and supply elasticity of demand.
3. **The Theory of Consumer Behavior:** Goods and Services Utility - total and marginal utility, cardinal and ordinal utility, law of diminishing marginal utility, equi-marginal principle, relationship between marginal utility and price.
4. **The Indifference Curve Analysis:** Properties of indifference curve, consumers' equilibrium - income, substitution and price effect.
5. **The Theory of Production:** Factors of production, returns to scale, production function - Iso-product and Iso-cost curves, producer's equilibrium.
6. **Theory of Cost and Revenue:** Short run and long run cost function, explicit, implicit and opportunity costs, fixed and variable costs, total, average and marginal costs, envelope average cost curves, the link between production and cost, accounting profit vs. economic profit, profit maximizing conditions.
7. **Theory of the Firm:** Perfect competition, Monopoly and Monopolistic Competition, Equilibrium of a firm in the short and long run under perfect competition. Derivation of supply curve of a firm and industry. Monopoly equilibrium in the short run and long run. Price discrimination, Monopolistic competition.

8. **Oligopoly Market:** Definition of oligopoly. Characteristics of oligopoly market. Collusive and Non-Collusive Oligopoly, Cournot Model, Stackelberg model and the Kinked-demand model.
9. **The Pricing of the Factors of Production:** The marginal productivity theory of distribution — determination of rent, wages, interest and profit.

Books Recommended:

1. Samuelson P.A. & Nordhaus : Economics
2. A. Koutsoyiannis : Modern Micro-Economics
3. C.E. Ferguson : Micro-Economic Theory
4. Stonier & Hague : A Text Book of Economic Theory
5. M. L. Jhingan : Advanced Economic Theory .
6. AdvuiliLCi.1 lii.0111 uiuu Throi: Advanced Economic Theory
7. K. K. Dwelt : Modern Economic Theory
8. M.L. Seth : Micro-Economics

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Economics (2nd Paper)
Paper Code: 128

Paper Title: Bangladesh Economy

Marks : 100
Credits: 4

Course Objective

The main objective of this course is to introduce the students with the socio-economic context of Bangladesh from different perspectives. The course will also help them to know recent issues of Bangladesh economy. The students will be able to understand the trend of economic variables and business phenomenon. The knowledge will help them to take step in the development of the country.

Course Contents

1. **Economic Development:** Development Economics; Growth and Development: Characteristics of Less Developed Countries; Causes of Economic Backwardness; Determinants of Development; Features of Bangladesh Economy.
2. **Social and Economic Infrastructure:** Education, Health, Transport, Communication, Power and Energy Sectors in Bangladesh.
3. **Population and Economic Development:** Population-Growth, Composition and distribution of Population. Density and Trend of Population Growth. Problems of Population in Bangladesh. Population Policy, Population and Economic Development.
4. **Agriculture:** Role of Agriculture; Modernization of Agriculture: Problems and Prospects of Agriculture in Bangladesh. Land Reforms, Agricultural Credit, Agricultural Marketing.
5. **Industry :** Role of Industry, Strategy for Industrial Development, Large Vs. Small and Cottage Industries, Private Vs Public Sector Privatization Policy, Industrial Development and Industrial Policy in Bangladesh.
6. **Money and Banking:** Money, Money Market in Bangladesh, Bangladesh Bank, Nationalized and Private Banks - Islamic Banks, Govt. strategy for Banking Reforms, Specialized Banks, Capital Market - Problems and Prospects.
7. **Foreign Trade:** Role of Trade Volume, Composition and Direction of Foreign Trade of Bangladesh; RMG sector, Balance of Trade and Balance of Payments, Adverse Balance of Payments & its correction.
8. **Development Finance:** Domestic Resource Mobilization; External Resources; Foreign Aid versus Foreign Direct Investment; Foreign Aid Suppliers credit and Economic Development.

9. **Development Planning:** Concept of Development Planning; Necessity of Planning, Physical-and Financial Planning; Problems of implementing Plan.-, in Bangladesh; Five year Plans, Perspective Plan.

10. **Poverty Alleviation Policy:** Concept of Poverty Alteration—Causes of Poverty and Its Remedial Measures, Human Resource Development and Measures taken by the Government for Human Resource v Development, Role of Local Government and NCOs, Self Employment.

Books Recommended :

- | | | | |
|----|--------------------------------|---|---|
| 1. | Bruton | : | Principles of Economic Development |
| 2. | Khan, A.R. | : | Bangladesh Economy |
| 3. | Khan, A.R. and Mahboob Hossain | : | Strategy of Development in Bangladesh |
| 4. | Todaro | : | Economics for a Developing World |
| 5. | Faaland & Parkinson | : | Bangladesh: A Test Case of Development |
| 6. | Dr. Azizur Rahman | : | Export & Economic Development of Bangladesh |
| 7. | BBS | : | Bangladesh Economic Review
(Current edition) |

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Economics (3rd Paper)
Paper Code: 227

Paper Title: Macroeconomics

Marks : 100
Credits: 4

Course Objective:

Macroeconomics studies the behavior of the main aggregates of the economy. The objective of this course is to teach macroeconomic analysis techniques, presenting models that help explain how the economy works.

Course Contents:

1. **Fundamental Concepts of Macroeconomics:** Income, Consumption, Savings, Investment, Employment and Output.
2. **National Income Accounting :** GDP, GNP, NNP, Nominal and Real National Income Real GDP, Methods of National Income Accounting, Problems of Computing National Income, Usefulness of National Income Accounting.
3. **Theory of Income Determination:** Classical Approach of Macro-Economics, the Demand for and Supply of Labor, the Equilibrium Level of Employment and Output, Say's Law of Market, Keynesian Approach.
4. **Investment:** Concepts of Investment, Marginal Efficiency of Investment and Capital.
5. **Inflation:** Inflation, Types, Causes, Effects and Control of Inflation. Inflation Vs. Deflation. Demand Pull and Cost Push Inflation-Definition and Its Nature, Inflationary Gap, Deflationary Gap, Measurement of Inflationary Gap.
6. **Consumption and Savings Function:** Concepts of Consumption and Savings Function, Disposable income, MPC, APC, MPS, APS, Short Run and Long Run Views, Keynesian Approach.
7. **The Quantity Theory of Money Transaction:** Fisher's Equation of Exchange, Cambridge Equation and Friedman's Quantity Theory of Money.
8. **Multiplier and Acceleration:** Concepts of Multiplier, Multiplier Operation in a Two-Sector Economy, Leakages of Multiplier, Paradox of Thrift, Concepts of Acceleration, Characteristics of the Acceleration theory, Analysis of the Theory of Acceleration Crowding out Effect.
9. **Banking:** Commercial and Central Banking, Multiple Creation of Credit by Commercial Banks Money multiplier and Its Limitation.

10. **Monetary and Fiscal Policy:** Concepts of Monetary and Fiscal Policy, Objectives of Monetary and Fiscal Policy, Limitations of Monetary and Fiscal Policy, Role of Monetary and Fiscal Policy in Economic Development.

Books Recommended:

- | | | |
|---------------|---|--------------------------------|
| 1. Branson | : | Macro-Economic Theory & Policy |
| 2. E. Shapiro | : | Macro-Economic Analysis |
| 3. M.L. Seth | : | Macro-Economics |
| 4. M.C. Vaish | : | Macro-Economics |

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Economics (4th Paper)
Paper Code: 228

Paper Title: Money, Banking, International Trade and Public Finance

Marks : 100

Credits: 4

Course Objective:

‘Money, Banking, International Trade and Public Finance’ study the role of money in the economy, the functional activities of the banking system, trade theories and the basic issues in the public finance. The aim of the course is to develop a basic understanding of the financial system including its instruments: how it operates and why it plays a central role in the economy. Keeping in view the recent developments in monetary and public finance, this course focuses less on the theory of money and banking and more on the implications of monetary policy and financial structure for the functioning of the economy.

Course Contents:

1. **Money:** Money-Types of Money; Functions of Money, Supply of Money; Quantity Theory of Money: Cash Transaction and Cash Balance approaches, Inflation, Causes and Effects of Inflation.
2. **Banking:** Banks, Types of Banks, Commercial Bank. Principles of Commercial Bank, functions & role of Commercial Bank, Creation of credit Commercial Bank, Central Bank, Function of Central Bank. Instruments of credit control of a Central Bank, Islamic Banking system-profit & loss sharing-modes of investment.
3. **International Trade:** Domestic Vs. International Trade: Theories of International Trade - Classical Theory and Modern Theory. Balance of Trade and Balance of Payments, Terms of Trade, Free Trade and Protection.
4. **Public Finance:** Public Finance, Public Finance Vs Private Finance, Principles of Taxation; Direct and indirect tax. Concepts of Value Added Tax (VAT). Concepts of Budget-Balanced and unbalanced Budget, Deficit Financing and Economic Development. Public Debt, Public Expenditure, Objectives of Public Expenditure.

Books Recommended:

- | | | | |
|----|----------------------|---|--|
| 1. | Miller and Van Hoose | : | Modern Money and Banking. |
| 2. | Mishkin | : | Economics of Money and Banking |
| 3. | Musgrave | : | Public Finance |
| 4. | M.L.Seith | : | Money Banking, International Trade and Finance |
| 5. | Due and Friedlander | : | Government Finance |
| 6. | Sodersten, Bo | : | International Economics |
| 7. | Kindlebereer | : | International Economics |

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Economics (5th Paper)
Paper Code: 327

Paper Title: Elementary Mathematics for Economics and Basic Statistic

Marks : 100
Credits: 4

Elementary Mathematics

Course Objective:

This course focuses on the development of understanding of basic concepts and principles of mathematics used in the area of business and economics. The course gives ideas of calculus to solve business and economics problems.

Course Contents:

1. Basic Processes in Algebra:

- a) Algebraic Vocabulary.
- b) Multiplication and Division of Numbers with Exponents.
- c) Addition and Subtraction of Algebraic terms,

2. Functions, Variables and Graphs:

- a) The concept of a function.
- b) Explicit and Implicit function.
- c) The Range and Domain of a Function.
- d) The Graphical Representation of Functions.
 - i) Cartesian Co-ordinates and Location of Points.
 - ii) Linear Functions and Quadratic Functions. Equations of Straight Line.

3. Introduction to Calculus: General rules of derivatives, partial differentiation, Simple application of differentiation.

4. Matrix Algebra: Concept of Vectors and Matrix, Different Types of Matrix, Transpose of a Matrix.

Books Recommended :

- | | | | |
|----|-------------------|---|---|
| 1. | Taro Yamane | : | Mathematics for Economics |
| 2. | Alpha Cluung | : | Fundamental Methods of Mathematical Economics |
| 3. | Caroline Dinwiddy | : | Elementary Mathematics for Economics |

Basic Statistics

Course Objective:

This course introduces the use of statistical methods and tools in evaluating data for business and economics decision making. The course is designed to explain statistical techniques to decision-making situations & how to interpret the results. Throughout the learning session the students will be able to apply statistical techniques with the help of business and economics data.

Course Contents:

1. **Introduction to Statistics:** Statistics, Population and Sample, Discrete and Continuous Variables, Statistical Data and their Graphical Presentation, Frequency Distributions.
2. **Measurement of Central Tendency:** Arithmetic mean and its properties, the median and its properties, the mode and its properties and the relation between mean, median and mode.
3. **Measures of Dispersion:** The range. The Mean deviation. The Standard deviation The Variance. Coefficient of variation.
4. **Index number:** Meaning and purpose of index number, Problems involved in the Computation of Index Numbers, Ideal Index Number, weighted index number.
5. **Time Series Analysis:** Characteristics movements of Time Series, Classification and estimation of Time Series Movements.

Books recommended:

- | | | | |
|----|-------------|---|-----------------------------------|
| 1. | E.Shapiro | : | Macro-Economic Analysis |
| 2. | Sanuielson | : | Economics |
| 3. | M.R.Spiegel | : | Theory and Problems of Statistics |
| 4. | T. Yamane | : | Statistics far Economists |

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Economics (5th Paper)
Paper Code: 328

Paper Title: Demography

Marks: 100

Credits: 4

Course Objective:

This course introduces the basic techniques of demographic analysis. Students will become familiar with the sources of data available for demographic research. Population composition and change measures will be presented. Measures of mortality, fertility, marriage and migration levels and patterns will be defined. Life table, standardization and population projection techniques will also be explored.

Course Contents:

1. **Demography:** Definition, subject matter, utility of its study.
2. **Nature of Demographic Data:** Basic sources of statistics, primary demographic data, secondary, census and surveys, vital statistics.
3. **Population Change and its Components:** The components of population growth, the component of change expressed as rates, the process of demographic transition, population size, population density, age and sex composition of population.
4. **Fertility and Reproduction :** Measures of fertility- crude birth rates, general fertility rates, specific birth and fertility rates, total fertility rates, cohort birth rate, cumulative birth rate-children ever born, measures of illegitimacy; measures of reproduction-crude rate of natural increase, gross reproduction rate, net reproduction rate.
5. **Mortality:** Conventional measures of mortality-crude death rate, specific death rates, infant mortality, rate, neonatal mortality rate, fetal death rate. prenatal death rate, maternal mortality rate; adjusted measures of mortality; trend and differentials.
6. **Life Table :** Types of Life Table, construction of Life Table, the complete Life Table, the abridged Life Table-Greville's method, Reed-Merrelli method, the method of reference to a standard table; uses of Life Table.
7. **Migration :** Internal and international; technique of analysis-net migration, gross migration and migration ratios; methods of measuring internal migration - vital statistics, survival ratio and place of birth method; immigration and population growth; determinants and effects of migration.
8. **Population Projects:** Methods of preparing population projection mathematical methods, component methods; projections of mortality; projections of fertility; uses of population projection.

Books Recommended :

RESTRICTED

1. Barclay. George w. : Techniques of Population Analysis, John Wiley & Sons, 1958:
2. Bogue Donald J. : Principles of Demography. John Wiley & Sons
3. Shrynck Henry S.Jacob S Scigal : The Methods and Materials of Demography, and Associates Condensed Edition, Academic Press, Inc., 1976
4. Spiegel man Mortimer : Introduction to Demography, Second Edition, Harvard University Press, 1968

Bangladesh University of Professionals
Syllabus for 3 years B.A/B.S.S. Programme
Subject: Economics (6th Paper)
Paper Code: 329

Paper Title: History of Economic Thought

Marks : 100
Credits: 4

Course Objective:

Students will be able to trace the origins of economic thought in the ancient world and its influence on subsequent schools of thought, including the scholastics and the emergence of early modern (Classical) economics. They will be able to discuss the links between the evolution of Western economies and the emergence of economics as a distinct discipline. Students will be able to define and discuss the mercantilist, early institutionalist, and heterodox schools of economics, including Marxian theory, which have challenged mainstream economics. This course will help the students to trace the development of neoclassical marginalism, and to identify the areas of agreement and disagreement between the classical and neoclassical approaches in economics.

Course Content:

1. Medieval Economic Thought — The scholastics Mercantilists. The physiocrats. "The Tableau Economique."
2. The Classical Economic Thought-Adam Smith. J.B.Say. David Ricardo. J.S. Mill. Karl Marx, Malthus.
3. Marginalist School of Thought-Walras, Marshall, Fisher, Wicksell, Bohm Bowerk.Neoclassical Economic thought — J.M Keynes and Followers.
4. German Historical School, Friedrich List. Free Trade and Protection.
5. Socialist economic thought — Karl Marx, Economics of Development—Schumpeter, Arthur Lewis, Libenstein.
6. Welfare Economics-Pigou, Pareto.
7. Islamic Economic Thought - Ibn Khaldun, Ibn Taimiyah, Abu Yusuf.

Books Recommended:

- | | | | |
|-----|----------------|---|--|
| 1. | Eric Roll | : | History of Economic Thought |
| 2. | Haney | : | Economic Thought |
| 3. | Ben Seligman | : | Main Currents in Economic Thought since 1870 |
| 4.. | H. Rima | : | Development of Economic Analysis |
| 5. | Blaug | : | Economic Theory in Retrospect |
| 6. | Khurshid Ahmed | : | Studies in Islamic Economics |

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Mathematics (1st Paper)
Paper Code: 129

Paper Title: Fundamentals of Mathematics

Marks : 100
Credits: 4

- 1. Elements of logic:** Mathematical statements, Logical connectives, Conditional and bi-conditional statements. Truth tables and tautologies, Quantifiers, Logical implication and equivalence, Deductive reasoning. Methods of proof (direct, indirect and Method of Induction.)
- 2. Set Theory:** Sets and subsets, Set operations, Cartesian product of two sets, De Morgan's laws.
- 3. Relations and functions:** Relation and Functions, Order relation, Equivalence relations. Functions. Images and inverse images of sets Injective, surjective and bijective functions. Inverse functions.
- 4. The Real Number System:** Field and order properties, Natural numbers, integers and rational numbers, Absolute value and their properties. Basic inequalities.(Including inequalities of means, powers; inequalities of Cauchy, Chebyshev, Weierstrass).
- 5. The Complex Number System:** Field of Complex numbers, De Moivre's theorem and its applications.
- 6. Theory of equations:** Number of roots of polynomial equation. Relations between roots and coefficients, Symmetric functions of roots, Sum of the powers of roots, Synthetic division, Des Cartes rule of signs, Multiplicity of roots, Transformation of equations.
- 7. Elementary number theory:** Divisibility, Fundamental theorem of arithmetic, Congruences (basic properties only)
- 8. Summation of Series:** Summation of algebraic and trigonometric series, Arithmetic-geometric series.
- 9.** Linear and nonlinear equations, their solution, graphs and applications.

Evaluation: Final examination (Theory, 4 hours) 100 marks.
Ten questions will be set, of which any six are to be answered.

Books Recommended:

1. Schaums Outline Series- *Theory and problems on set theory and related topics.*
2. S. Bernard & J M Child – Higher algebra.
3. Md. Abdur Rahman – College Higher algebra.
4. Fazlur Rahman & Hafizur Rahman – *Fundamentals of Mathematics.*
5. Business Mathematics: D.C Sancheti and V.K. Kapoor.

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Mathematics (2nd Paper)
Paper Code: 130

Paper Title: Coordinate Geometry and Vector Analysis

Marks : 100
Credits: 4

- 1. Two-dimensional Geometry:** Transformation of coordinates, Pair of straight lines (homogeneous second degree equations, general second degree equations representing pair of straight lines, angle between pair of straight lines, bisectors of angle between pair of straight lines), General equations of second degree (reduction to standard forms, identifications, properties and tracing of conics).
- 2. Three-dimensional Geometry:** Coordinates, Distance, Direction cosines and direction ratios, Planes (equation of plane, angle between two planes, distance of a point from a plane), Straight lines (equation of lines relationship between planes and lines, shortest distance) Spheres.
- 3. Vector Analysis:** Vectors in plane and space. Algebra of vectors. Rectangular Components. Scalar and Vector products. Triple scalar product. Applications of vector to geometry (vector equations of straight lines and planes, areas and volumes). The gradient, divergence and curl of a vector function.

Evaluation: Final exam (Theory, 4 hours), 100 Marks, 4 Credits
10 questions will be set, of which 6 are to be answered.

Book Recommended:

1. H. H. Askwith – *Analytic Geometry of Conic Section*
2. J. A. Hummel – *Vector Geometry*
3. Fazlur Rahman & Hafizur Rahman – *Analytic and Vector Geometry*.
4. A. F. M. Abdur Rahman & P. K. Bhattacharjee- *Analytic Geometry and Vector Analysis*.
5. Khosh Mohammad – *Analytic Geometry and Vector Analysis*.

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Mathematics (3rd Paper)
Paper Code: 229

Paper Title: Calculus

Marks : 100

Credits: 4

Functions & their graphs (Polynomial and rational functions, logarithmic and exponential functions, trigonometric functions and their inverses, hyperbolic functions and their inverses, combinations of such functions). Limit and continuity: Definitions and basic theorems on limit and continuity. limit at infinity and infinite limits Computation of limits.

Differentiation: Tangent lines and rates of change. Definition of derivative. One-sided derivatives. Rules of differentiation (proofs and applications). Successive differentiation. Leibnitz theorem (proofs and application). Related rates. Linear approximations and differentials.

Applications of Differentiation: Rolle's theorem, mean value theorem. Maximum and minimum values of functions. Concavity and points of inflection. Optimization problems, Curvature.

Function of several variables: Limit and continuity. Partial derivatives Differentiability. linearization and differentials. The chain rule. Partial derivatives with constrained variables Directional variables. Lagrange multipliers, Taylor's formula.

Integration: Antiderivatives and indefinite integrals. Techniques of integration. Definite integration using antiderivatives. Definite integration using Riemann sums. Fundamental theorems of calculus (proofs and applications). Basic properties of integration. Integration reduction.

Applications of Integration: Arc length. Plane areas. Surfaces of revolution. Volumes of solids of revolution. Graphing in polar coordinates. Tangents to polar curves. Areas in polar coordinates. Arc length in polar coordinates.

Multiple Integration: Double integrals and iterated integrals. Double integrals over nonrectangular regions. Double integrals in polar coordinates. Area by double integral. Triple integrals and iterated integrals. Volume as a triple integrals.

Improper integrals. Tests of convergence and their applications. Gamma and Beta functions.

Indeterminate forms, L' Hospital's rule.

Approximation and Series: Taylor polynomials and series. Convergence of series. Taylor's series. Taylor's theorem and remainders. Differentiation and integration of series. Validity of Taylor expansions and computations with series.

Book Recommended:

- | | |
|-----------------------------------|---|
| 1. Howard Anton | : <i>Calculus</i> |
| 2. Mohammad and Bhattacharjee | : <i>Text Book on Differential Calculus</i> |
| 3. | : <i>Text Book on Integral Calculus</i> |
| 4. Matin and Chakrabarty | : <i>Differential Calculus</i> |
| 5. Abu Yusuf | : <i>Differential Calculus</i> |
| | : <i>Integral Calculus</i> |
| 6. Fazlur Rahman & Hafizur Rahman | : <i>Calculus-I & Calculus-II</i> |

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Mathematics (4th Paper)
Paper Code: 230

Paper Title: Linear Algebra

Marks : 100

Credits: 4

- 1. Matrices and Determinants:** Notion of matrix. Type of matrices. Algebra of matrices. Determinant. Properties of determinants. Minors, Cofactors, expansion and evaluation of determinants. Elementary row and column operations and row reduced echelon matrices. Invertible matrices. Different types of matrices, Rank of matrices.
- 2. System of Linear Equations:** System of linear equations (homogeneous and non-homogeneous) and their solutions. Application of matrices and determinants for solving system of linear equations. Applications of system of equations in real life problems.
- 3. Vectors in R^n and C^n :** Review of geometric vectors in R^2 and R^3 spaces. Vectors in R^n and C^n . Inner product. Norm and distance in R^n and C^n .
- 4. Vector Space:** Notion of groups and fields. Vector spaces. Subspaces. Linear combination of vectors. Linear dependence of vectors. Basis and dimension of vector spaces. Row and column space of matrix. Rank of matrices. Solution spaces of systems of linear equations.
- 5. Linear Transformation:** Linear transformations. Kernel and image of linear transformation and their properties. Matrix representation of linear transformations. Change of bases.
- 6. Eigenvalues and Eigenvectors:** Eigenvalues and Eigenvectors. Diagonalization. Cayley-Hamilton theorem and its application.

Evaluation: Final exam (Theory, 4 hours): 100 marks.

Ten questions will be set, of which any six are to be answered

Book Recommended:

1. Howard Anton & Chris Rorres – *Elementary Linear Algebra with Application*
2. Seymour Lipschutz (Schaum's Outline Series) – *Linear Algebra*
3. Md. Abdur Rahman – *College Linear Algebra*
4. Fazlur Rahman & Hafizur Rahman - *Linear Algebra*

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Mathematics (5th Paper)
Paper Code: 329

Paper Title: Computer Programming and Numerical Analysis

Marks : 100
Credits: 4

Part-I: Computer Programming

Algorithm and programs: Problem analysis and development of algorithms. Program coding, execution, design, validation and refinement.

Basic FORTRAN: Data type, operations functions, assignment statement, input-output, stop and end statement.

Control structure: Logical data type, logical if and block if, do and continue, Go to statement, While statement.

Input-output: formatted input and output, File processing.

Dimensional arrays: Arrays and subscripted variables, dimension statement, parameter and data statement, examples average group data, sorting and searching.

Multidimensional arrays: Matrix operations, Solving linear system, Functions and subroutines: Library functions and statement functions, function subprogram, subroutine, subprogram, Common statement.

Part-II: Numerical Analysis

Solutions of equations of one variable: Bisection method, Fixed point iteration, Newton-Raphson method, Error analysis for iterative method.

Interpolation and polynomial approximation: Taylor polynomials, Interpolation and Lagrange polynomial, Iterated interpolation.

Numerical differentiation & integration: Numerical differentiation with backward – difference formula, forward difference formula, Adaptive quadrature method, Trapezium method, Simpson method, Matrix algebra and system of equations. Matrix operations, Gauss-Jordan elimination method. SOR Method. (Successive over-Relaxation method).

Books Recommended:

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|--------------------------------|---|---|
| 1. Schaum's Outline Series | : | Fortram 77 |
| 2. V. Rajaraman | : | Fortram 90/95 |
| 3. S. S. Kuo | : | <i>Numerical methods & Computers</i> |
| 4. Burdin & J. D. Faires | : | <i>Numerical Analysis</i> |
| 5. S. S. Shastri | : | <i>Introductory Methods of Numerical Analysis</i> |
| 6. হোসাইন, ভট্টাচার্য, ইলিয়াস | : | সাংখ্যিক বিশ্লেষণ |

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Mathematics (6th Paper)
Paper Code: 330

Paper Title: Ordinary Differential Equations

Marks : 100
Credits: 4

- 1. Ordinary differential equations and their solutions:** Definition and formation of differential equations. Classification of differential equations. Solutions. Implicit solutions. Singular solutions. Initial value problems. Boundary value problems. Basic existence and uniqueness theorems (statement and illustration only). Direction fields. Phase line.
- 2. Solution of first order Differential equations :** Separable equations. Linear equations. Exact equations. Special integrating factors. Substitutions and transformations. Homogeneous equations. Bernoulli equation. First order higher degree equation-solvable for x, y and p .
- 3. Modelling with first order differential equations:** Construction of differential equations as mathematical models (exponential growth and decay, heating and cooling, mixture of solution. Series circuit, logistic growth, chemical reaction, falling bodies). Model solutions . and interpretation of results. Orthogonal trajectories.
- 4. Solution of higher order linear ordinary differential equations:** Linear differential operators. Basic theory of linear differential equations. Solution space of homogeneous linear equations. Fundamental solutions of homogeneous solutions. Reduction of orders, Homogeneous linear equations with constant coefficients. Non-homogeneous equation. Method of undetermined coefficients. Variation of parameters. Euler-Cauchy differential equation.
- 5. Series solutions of second order linear ordinary differential equations:** Taylor series solutions. Frobenius series solutions. Series solutions of Legendre, Bessel, Laguerre and Hermite equations and their solutions.

Evaluation: Final Examination (4 hours): 100 marks. 10 questions will be set of which five are to be answered.

Books Recommended:

1. S.L. Ross- Diferential Equations.
2. Denis Gill-Introduction to Diferential Equations.
3. Frank Ayres, J R. Theory and Problems of Difrential Equations.
4. Martin Braun. An introduction to Diferential Equations and their Applications.
5. কুদ্দুস, আওয়াল, হাফিজ - Ordinary differential Equation

Bangladesh University of Professionals
Syllabus for 3 Year BA/BSS Programme
Subject: Statistics (1st Paper)
Paper Code: 131

Paper Title: Descriptive Statistics

Marks : 100
Credits: 4

Descriptive Statistics: History of statistics, its definitions, nature and characteristics, Methods of statistics, Scope, applications and Limitations of statistics. Sources of statistical data, Primary and secondary data. Variables, Attributes, Classification, Tabulation, Different types of tables, Frequency distribution. Graphical presentation of data, Detailed study of different types of graphs and charts with their relative merits and demerits.

Measures of central tendency, Measures of dispersion, Moments, Skewness & Kurtosis and their properties. Bivariate data. Scatter diagram, Simple correlation, Different types of correlation, Correlation ratio, Simple regression analysis. Principles of least squares, Lines of best fit, Standard error of estimators of regression coefficients & their properties. Multiple regression, Estimation of multiple regression coefficients. Multiple correlation, Partial correlation.

Books Recommended:

- | | | |
|------------------------------|---|--|
| 1. Islam, M.Nurul | : | An Introduction to Statistics and Probability, 4 th Edition, Mullick & Brothers, Dhaka New Market |
| 2. Larson, R. and Farber, B. | : | Elementary Statistics: Picturing the World (5 th Edition) |
| 3. Yule and Kendall, M.G. | : | An Introduction to the Theory of Statistics |
| 4. Simpson G.& Kaafka, F. | : | Basic Statistics |
| 5. Mostafa, M.G | : | Methods of Statistics |

Bangladesh University of Professionals
Syllabus for 3 Year BA/BSS Programme
Subject: Statistics (2nd Paper)
Paper Code: 132

Paper Title: Probability and Probability Distributions

Marks : 100
Credits: 4

Probability: Elements of set theory. Experiment, Random Experiment, Sample Space, Events, Union and Intersection of Events, Different types of events. Meaning of probability, Scope of probability, Different approaches of defining probability. Elementary theorems of probability, Additive & multiplication rule, Permutation & combination, Conditional probability, Theorems on conditional probability, Theorem of total probability, Bayes' theorem and its uses and importance in statistics.

Random variable and its Probability Distributions: Discrete and continuous random variables, Probability density function, Distribution function, Function of random variable and its distribution, Joint distribution, marginal and conditional distributions, Independence of random variables, Mathematical expectation, Expectations of sum and products of random variables, Conditional expectation and conditional variance. Moments and moment generating functions, Characteristic function, Cumulants and cumulant generating functions, Relation between moments and cumulants.

Discrete Probability Distributions: Bernoulli, Binomial, Negative Binomial, Geometric, Hypergeometric, Uniform distributions and their properties and applications.

Continuous Probability Distributions: Normal, Exponential, Beta, Gamma, Lognormal, Cauchy, Pareto distributions and their properties and applications.

Books Recommended:

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|---|------------------------------|---|---|
| 1 | Roy, M. K. | : | Fundamentals of Probability & Probability Distribution |
| 2 | Ross, Sheldon M | : | A First Course in Probability, Collier –McMillan, N.Y. |
| 3 | Feller, W. | : | Introduction to the Probability Theory and its Applications |
| 4 | Hoq, M. S. | : | Probability : An Introduction |
| 5 | Mosteller, Rourket
Thomas | : | Probability with Statistical Applications. |
| 6 | Islam, M.Nurul | : | An Introduction to Statistics and Probability, 4 th Edition,
Mullick & Brothers, Dhaka New Market |

Bangladesh University of Professionals
Syllabus for 3 Year BA/BSS Programme
Subject: Statistics (3rd Paper)
Paper Code: 231

Paper Title: Methods of Statistics

Marks: 100

Credits: 4

Sampling Distributions

Distribution of sample mean and variance and their properties. Detailed study of χ^2 , t and F distributions, Central limit theorem, Standard errors of statistics and their large sample approximations. Fisher's Z transformation, Distribution of sample correlation coefficient when population correlation coefficient is zero.

Estimation

Concept of estimation and problem of estimation, Estimator and Estimate. Properties of a good estimator: Unbiasedness, Consistency, Efficiency, Sufficiency, Minimum Variance, Best asymptotically normal, Consistent asymptotically normal. UMVUE, Rao-Black Well Theorem, Cramer-Rao Inequality, MVB estimator, Use of Cramer-Rao inequality in finding UMVUE.

Point Estimation: ML method of estimation, Method of moments, Method of Least Square, Method of minimum chi-square, Bayesian Method of Estimation.

Interval Estimation: Concept of interval estimation, Confidence interval, Confidence limit, Confidence bound, Confidence coefficients, Methods for finding confidence interval, Confidence interval for mean, variance and proportion, difference of means, difference of proportions, ratio of variance.

Test of Hypothesis

Concept: Test of hypothesis, Logic behind tests of hypothesis, Neyman-Pearson's approach of testing hypothesis.

Preliminaries of Tests: Hypothesis, simple and composite hypotheses, Null and alternative hypotheses, Concept of test of significance, procedures of testing a hypothesis, Type I and Type II errors, Level of significance, One-tailed and two-tailed tests, P-value. Concept of test Statistics: Normal, Chi-square, t and F statistics. Testing the significance of a single mean, Single variance, Single proportion, Difference of two means and proportions, Ratio of two variances and their confidence intervals. Paired t-test. Testing the homogeneity of several population means, Variance and proportions. Test of goodness of fit.

Books Recommended:

- | | | | |
|---|--------------------------|---|--|
| 1 | Ashraf Ali | : | Methods of Statistics, Vol. II |
| 2 | Rao, C.R. | : | Linear Statistical Inference & its Applications, Wiley. |
| 3 | Mood, Graybill & Boes | : | Introduction to the Theory of Statistics 3 rd ed. McGraw- Hill |
| 4 | Mostafa, M.G. | : | Methods of Statistics |
| 5 | Islam, M, N. | : | An Introduction to Statistics and Probability, 4 th Edition, Mullick & Brothers, Dhaka New Market |
| 6 | Hogg R.Y. and Craig, A.T | : | Introduction to mathematical statistics. McMillan- Collierm, N.Y. |

Bangladesh University of Professionals
Syllabus for 3 Year BA/BSS Programme
Subject: Statistics (4th Paper)
Paper Code: 232

Paper Title: Numerical Mathematics & Linear Algebra

Marks : 100

Credits: 4

Numerical Mathematics: Differences of a polynomial, Finite difference operator, Factorial notation. Newton's forward and backward interpolation formula. Central difference formula. Gauss, Stirling's forward and Lagrange's interpolation formulas. Interpolation with equal and unequal interval of the argument. Numerical differentiation. Numerical integration by different formulae. Numerical solution of equations by various methods.

Linear Algebra: Vector space, Subspace, Linear independence, Basis & Dimension, Inner product, Length, Orthogonal Length, Orthogonal basis, Orthogonalisation process. Determinant and their properties and uses in statistics. Matrices & their properties, Matrix operations and their uses in statistics. Inverse of matrices and their properties. Orthogonal, Idempotent, Patterned matrices and their properties and uses in statistics.

Books Recommended:

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|---|---------------------------|---|---|
| 1 | Scarborough | : | Numerical Mathematical Analysis |
| 2 | Freeman, H | : | Finite differences for Actuarial Students |
| 3 | Mallick S.A. & Huq, M. E. | : | Numerical Mathematics, Mullick & Brothers, Dhaka New Market |
| 4 | Searle, S.R. | : | Matrix Algebra useful for Statistics |
| 5 | Rao, C.R. & Mitra | : | Generalized Inverses and its Applications |
| 6 | Rahman, A | : | College Linear Algebra |

Bangladesh University of Professionals
Syllabus for 3 Year BA/BSS Programme
Subject: Statistics (5th Paper)
Paper Code: 331

Paper Title: Applied Statistics-I

Marks : 100
Credits: 4

Index Number

Concept of index number, Characteristics and uses of index number, Problems in the construction of index number, Different types of unweighted and weighted index number, Methods for construction of simple and weighted indices, value and cost of living index numbers, ideal index and tests.

Time Series Analysis

Definition, Components of time series (Trend, Seasonal fluctuations, Cyclical fluctuation, Irregular fluctuation), Mathematical model for time series, Measurement of trend, Freehand smoothing, Semi-average, Moving average, Least square, Exponential method, Ratio to trend, Ratio of moving average, Link relative, Decomposition of time series, Test of randomness of a time series data, Effect of moving average on cyclical and irregular components, Forecasting.

Demography

Definition, nature and scope of demography. Sources of demographic data: Vital registration, Survey and Census. Rates, ratios, and proportions. Age-Sex composition, Errors in age-sex data, detecting errors in age data. Population pyramid. Concept of population change, Population growth, Measurement of population growth with special reference to Bangladesh.

Concept of fertility, Reproduction. Measures of fertility and reproduction, Cohort fertility. Concepts of mortality and morbidity, Measures of mortality, Trends of mortality and morbidity.

Definition, use and functions of life tables, different types of life table, construction of life tables. Actuarial life table, its construction and application

Industrial and Official statistics

Nature and scope of industrial & official statistics, Concept & importance of quality control. Quality control measures. Statistical quality control techniques, its uses and usefulness. Product control and process control. Assignable and Non-assignable causes of variation. Control charts. Construction of various control charts (mean, range, standard deviation, attribute), Natural tolerance limits and specification limits. Acceptance sampling plan, Sequential sampling plan. Sources and limitations of official statistics, Improving the official statistics, Educational Statistics: Different types of scores, I.Q. Construction of tests.

Books Recommended:

- | | | | |
|----|--|---|--|
| 1 | Chatfield | : | The Analysis of Time Series: An Introduction |
| 2 | Box and Jenkins | : | Time Series Analysis |
| 3 | Shryock, H.S. Siegel, J.S. et al. | : | The Methods and Materials of Demography |
| 4 | Barclay, G.W. | : | Techniques of Population Analysis |
| 5 | Chiang, C.L. | : | The Life Table and its Application |
| 6 | Speigelman | : | Introduction to Demography |
| 7 | Pollard, S.H. Farhat, Y.& Pollard, G.N | : | Demographic Technique |
| 8 | Biswas, S. | : | Stochastic Process in Demography and Application, Wiley Eastern Ltd. |
| 9 | Gupta and Kapoor | : | Applied Statistics |
| 10 | Duncan, A.J. | : | Quality Control and Industrial statistics |
| 11 | Grant, E.L | : | Statistical Quality Control |

Bangladesh University of Professionals
Syllabus for 3 Year BA/BSS Programme
Subject: Statistics (6th Paper)
Paper Code: 332

Paper Title: Applied Statistics-II

Marks : 100
Credits: 4

Analysis of Variance

Concepts, Definitions & Assumptions. One way, Two way & Three way classifications, Experimental Design & Sample Design, Principles of design. Basic designs: CRD, RBD, LSD, their relative efficiency, Analysis with missing values, ANOVA in Different designs. Tests related to ANOVA (Tukey, Scheffe, etc.). Basic concepts of factorial experiments, 2^2 , 2^3 Analysis, interpretation and uses of above mentioned factorial experiments.

Sample Survey

Basic concept to sample survey, relative advantages, disadvantages and suitability of complete and sample enumeration. Uses of sample survey. Role of sampling theory. Requirements of a good sample design. Population, Sampling units, Sampling frame and related problems. Basic principles of sample survey. Various steps involved in a sample survey. Pilot survey.

Different types of errors associated with sampling such as sampling errors & Non sampling errors and complete enumeration. Different types of random sampling and non-random sampling. Details study of Simple random sampling, Stratified random sampling, cluster random sampling, Systematic sampling and multistage sampling.

Various methods of data collection. Questionnaire and schedule. Preparation of questionnaire.

Books Recommended:

- | | | | |
|---|---------------------------|---|---|
| 1 | Montgomery, D.C. | : | Design and Analysis of Experiments (2 nd ed.), Wiley |
| 2 | Kemphorne | : | Design and Analysis of Experiments, Wiley |
| 3 | Scheffe, H. | : | Analysis of Variance, Wiley |
| 4 | Mallick, S.A | : | Parikhaner Design |
| 5 | Cochran, W.G. | : | Sampling Techniques |
| 6 | Hansen, Hurwitz and Madow | : | Sampling Techniques |

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Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Islamic Studies (1st Paper)
Paper Code: 135

Paper Title: Quranic Studies

Marks : 100
Credits : 4

Textual Study of the Surahs: Sura Al-Nur, Al-Fath and Al-Hujurat

Books Recommended:

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|----------------------------------|----------------------------|
| 1. Islamic foundation Bangladesh | : <i>Al-Quran al-Karim</i> |
| 2. A. Yusuf Ali | : <i>The Holy Quran</i> |
| 3. Maulvi Muhammad Ali | : <i>The Holy Quran</i> |
| 4. Mlulana Ashraf Ali Thanwi | : <i>Bayanul Quran</i> |
| 5. Hafijur Rahman | : <i>Tafsir-i-Quran</i> |
| 6. মুফতি মুহাম্মদ শফী | : তাফসীরে মাআরেফুল কোরআন |
| 7. মোঃ আলী হাসান | : কোরআন শরীফের বঙ্গানুবাদ |
| 8. ড. আ.ন.ম. রইছ উদ্দিন | : তানভীকুল কুরআন |
| 9. মোহাম্মদ তাহের | : কুরআন, তরজমা ও তাফসীর |

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Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Islamic Studies (2nd Paper)
Paper Code: 136

Paper Title: Al-Kalam

Marks : 100
Credits : 4

This Paper will cover the following topics:

From “Sifat Allah” upto the end of “Risalat”.

Book Prescribed:

Al-Taftazani : *Sharh al-Aqaid al-Nasafiyya*

Books Recommended:

- | | |
|---------------------------------|---|
| 1. Al-Shahrastani | : <i>Kitab al-Milal Wa'l-Nihal</i> |
| 2. অধ্যক্ষ মুহাম্মদ ফজলুর রহমান | : আকায়েদে ইসলামী |
| 3. ড. আ.ন.ম. রইছ উদ্দিন | : আকায়েদে ইসলামী আল-কালাম |
| 4. ইমাম গাযালী | : এহইয়া উলুমুদ্দীন |
| 5. মাওলানা মো: আব্দুল বাতেন | : আকায়েদে ইসলাম, মদীনা পাবলিকেশন্স, ঢাকা |
| 6. আব্দুল হক হক্কানী | : ইসলামী আকীদা, ইসলামিক ফাউন্ডেশন, ঢাকা |
| 7. ইমাম গাযালী | : ইসলামী আকীদা, ইসলামিক ফাউন্ডেশন, ঢাকা |

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Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Islamic Studies (3rd Paper)
Paper Code: 235

Paper Title: Study of Al-Hadith

Marks : 100
Credits : 4

Hadiths of the following topics shall be taught:

Chapters of Iman and Ilm

Book Prescribed:

1. Al Khatib Al-Tabrizi : *Mishkat al-Masabih*

Books Recommended:

- | | |
|---------------------------------|--------------------------|
| 1. Al-Hajj Fazlul Karim | : <i>Al-Hadith</i> |
| 2. নূর মোহাম্মদ আজমী | : বঙ্গানুবাদ মেশকাত শরীফ |
| 3. মাওলানা মুহাম্মদ আব্দুর রহীম | : হাদীস শরীফ |
| 4. মোহাম্মদ আবুল হাসান | : আনযীমুল আশতাত |

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Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Islamic Studies (4th Paper)
Paper Code: 236

Paper Title: Study of Al-Fiqh

Marks : 100
Credits : 4

Book Prescribed:

1. Sharh Al-Wiqaya: Kitab al-Taharat, Kitab al-Salat and Kitab al-Sawm.

Books Recommended:

- | | |
|--|--|
| 1. উবায়দুল্লাহ ইবনে মাসউদ | : শরহে বেকায়া |
| 2. মাওলানা নূরুদ্দীন | : বঙ্গানুবাদ শরহে বেকায়া |
| 3. বুরহানুদ্দীন আলী ইবনে আবু বকর মারগিনানী | : আল-হিদায়া (বঙ্গানুবাদ), ইসলামিক ফাউন্ডেশন, ঢাকা |
| 4. বঙ্গানুবাদ ফাতওয়া আলমগীরী, বাংলাদেশ তাজ কোম্পানী, ঢাকা | |
| 5. আবুল হাসান আল-কুদুরী | : আল-কুদুরী |

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Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Islamic Studies (5th Paper)
Paper Code: 335

Paper Title: Social and Political System in Islam

Marks : 100
Credits : 4

This paper will cover mainly the following topics:

Definition, nature and characteristics of Islamic and contemporary societies; Solution given by Islam for social crisis; Rights and duties to neighbors; Tolerance to the opinion of others; al-Muakhat, al-dl, al-Ihsan, Khidmat al-Khalq, Consciousness of duties and responsibilities in the lights of Islam.

Definition, nature and characteristics of Islamic state: Qualities, duties and responsibilities of the head of an Islamic state; Organs of the government: Executive, Legislative and judiciary; Citizens: their rights and duties; Decmocracy, Majlis-e-shura; Foreign policy of Islamic state; A comparative study between Islamic state and other states.

Books Recommended:

- | | |
|---------------------------------|--------------------------------------|
| 1. Khuda Baksh | : <i>Politics in Islam</i> |
| 2. Dr. Hamidullah | : <i>The Muslim conduct of state</i> |
| 3. শামসুল আলম | : <i>ইসলামী রাষ্ট্র</i> |
| 4. মাওলানা মুহাম্মদ আব্দুর রহীম | : <i>আল-কুরআনে রাষ্ট্র ও সরকার</i> |
| 5. মাওলানা মুহাম্মদ আব্দুর রহীম | : <i>ইসলামী রাজনীতির ভূমিকা</i> |
| 6. সাইয়েদ কুতুব | : <i>ইসলাম ও সামাজিক সুবিচার</i> |
| 7. নূর মোহাম্মদ আজমী | : <i>ইসলামের সমাজ ব্যবস্থা</i> |
| 8. মাওলানা মুহাম্মদ আব্দুর রহীম | : <i>অপরাধ প্রতিরোধে ইসলাম</i> |

Bangladesh University of Professionals
Syllabus for 3 Year B.A/B.S.S Programme
Subject: Islamic Studies (6th Paper)
Paper Code: 336

Paper Title: Economic System and Banking in Islam

Marks : 100

Credits : 4

This paper will cover mainly the following topics:

Meaning, nature, scope and sources of Islamic Economic System; Islamic Economy compared to modern economic system; Text structure in Islam; Zakat, Ushar, Kharaj and Sadaqat; Factors of Production; concept of ownership; concept of income and expenditure in Islam; Land policy of Islam; Concept of profit and interest in Islam; Meaning, Origin and development of Islamic Banking; Deposit and investment policy of Islamic banking system and Islamic Insurance.

Books Recommended:

- | | |
|---------------------------------|--|
| 1. A.I. Qureshi | : <i>Islam and Theory of Interest</i> |
| 2. Dr. M.A. Mannan | : <i>Islamic Economic: Theory and Practics</i> |
| 3. মাওলানা মুহাম্মদ আব্দুর রহীম | : ইসলামের অর্থনীতি |
| 4. ড. এম. এ. মান্নান | : ইসলামী অর্থনীতি: তত্ত্ব ও প্রয়োগ |
| 5. শামসুল আলম | : ইসলামী অর্থনীতি রূপরেখা |
| 6. মাওলানা মুহাম্মদ আব্দুর রহীম | : ইসলামী অর্থনৈতিক নিরাপত্তা ও বীমা ব্যবস্থা |
| 7. এম. তাজুল ইসলাম | : ইসলামী বীমা ব্যবস্থা |
| 8. ইসলামিক ফাউন্ডেশন | : আল-কুরআনে অর্থনীতি |

Or

Paper Code: 337

Paper Title: Arabic Literature

Marks : 100

Credits : 4

Prose and Poetry

Books Recommended

- | | |
|---------------------------------|--|
| 1. Al-Manfuluti | : <i>Al-gani wal Faqir</i> |
| 2. Ibn Khallikan | : <i>Wafayat al-Ayan</i> (Khutbatu Tariq Bin Ziad) |
| 3. Al-Farazdaq | : <i>Qasidatun Fil Madhe</i> |
| 4. Rusafi | : <i>Unnatush Sharq-Au-Nahnu fi Baghdad.</i> |
| 5. অধ্যাপক আবদুর রাজ্জাক | : উচ্চতর আরবী ব্যাকরণ |
| 6. মৌলভী এ.টি. মো. ওবায়দুল্লাহ | : আরবী ব্যাকরণ সার |

Or
Paper Code: 338

Paper Title: Islamic Civilization

Marks : 100

Credits : 4

This paper will cover mainly the following topics:

Definition and scope of Islamic Civilization. Religions and spiritual bases of Islamic Civilization reflected in the Madinah State, Islamic Civilization during the Umayyad period, including political, legal, administrative, economic, military and educational systems; urban-life; architecture and fine arts. The glory of Andalusia under Muslim rule. Achievements and weaknesses of the Abbasid period, including causes for the rise and fall of Islamic Civilization.

Books Recommended:

- | | |
|---|--|
| 1. Ibn Al-Athir | : <i>Al-Kamil</i> |
| 2. J. Zaidan | : <i>Al-Tamaddun al-Islami</i> |
| 3. S.A Bilgrami | : <i>Tamaddun-i-Arab</i> |
| 4. Hitti | : <i>History of the Arabs</i> |
| 5. Welhausen | : <i>the Arab Kingdom and its fall</i> |
| 6. Goldziher | : <i>Muhammadan Studien</i> |
| 7. S. Khuda Bakhsh | : <i>Islamic Civilization</i> |
| 8. Th. Arnold | : a) <i>The Legacy of Islam</i>
b) <i>The Preaching of Islam</i> |
| 9. Ammer Ali | : <i>The Spirit of Islam</i> |
| 10. Joseph Hell | : <i>The Arab Civilization</i> |
| 11. Gibb | : <i>Studies on the Civilization of Islam</i> |
| 12. Levy | : <i>The social Structure of Islam</i> |
| 13. Watt | : a) <i>Muhammad at Mecca,</i>
b) <i>Muhammad at Medina</i> |
| 14. E.G. Brown | : <i>Literary History of Persia</i> |
| 15. Sarton | : <i>Introduction to the History of Science</i>
(Selected Chapter) |
| 16. A.S. Triton | : <i>The Caliphs and their non Muslim subjects</i> |
| 17. Civil Bell | : <i>Civilization(Penguin Books)</i> |
| 18. Crewell | : <i>A short History of Early Muslim</i>
<i>Architecture, London 1958</i> |
| 19. Rice and Kuchnel | : <i>Islamic Art</i> |
| 20. Sayed Sajjad Husain | : <i>Civilization and society</i> |
| 21. Dr. Aminul Islam | : <i>Muslim Philosophy and culture</i> |
| 22. এস.এম. এ রহীম এন্ড ড. আমীর হুসাইন সরকার | : <i>ইসলামী সংস্কৃতি ও অন্যান্য অনুসঙ্গ</i> |
| 23. আহমদ আবদুল কাদির | : <i>ন্যাশন, ল্যাংগুয়েজ কালচার এন্ড ইন্ডিপেন্ডেন্ট</i> |
| 24. নাজির আহমদ এন্ড ড. রুহুল আমীন | : <i>মুসলিম সংস্কৃতির ইতিহাস</i> |
| 25. ড. মুস্তফা আস-সিবানী | : <i>মানবতার কল্যাণে ইসলামী সভ্যতার অবিস্মরণীয় অবদান</i> |
| 26. মাওলানা মুহাম্মদ আব্দুর রহীম | : <i>শিক্ষা, সাহিত্য ও সংস্কৃতি</i> |

বাংলাদেশ ইউনিভার্সিটি অব প্রফেশনালস্
তিন বছর মেয়াদী বিএ/বিএসএস (পাস) প্রোগ্রাম
বিষয় : সমরবিদ্যা (আবশ্যিক)
বিষয় কোড : ১০২

মোট নম্বর : ১০০

ক্রেডিট : ৪

অধ্যায়-১
সমরবিদ্যার পরিচিতি

- ১। সমরবিদ্যার সংজ্ঞা, লক্ষ্য, গুরুত্ব এবং পাঠের প্রয়োজনীয়তা।
- ২। যুদ্ধের সংজ্ঞা, যুদ্ধের কারণ, তার বিভীষিকা, চূড়ান্ত ফলাফল এবং সমাজ ও রাষ্ট্রে এর প্রভাব।
- ৩। রাষ্ট্রের অভ্যন্তরে বিভিন্ন গোষ্ঠির সাথে রাষ্ট্রের বা আন্তঃগোষ্ঠির সংঘাতসমূহের সংজ্ঞায়ন-জনযুদ্ধ, নাশকতামূলক যুদ্ধ, বিপ্লব অ-র্থ যুদ্ধ, বিভিন্ন সম্প্রদায়-মধ্য যুদ্ধ।
- ৪। প্রচলিত যুদ্ধের রূপ-রখা - ৪টি প্রধান অপারেশনস অব ওয়ার- প্রতিরক্ষা, আক্রমণ, অগ্রাভিযান ও রণ-কৌশলগত পুনঃ মোতা-য়ন।
- ৫। অপ্রচলিত যুদ্ধের রূপ-রখা- গেরিলা যুদ্ধের ধারণা, পটভূমি ও কৌশল।

অধ্যায়-২
বাংলা-দ-শর স্বাধীনতার ইতিহাস

- ৬। স্বাধীনতা যুদ্ধের পটভূমি।
- ৭। নয় মাসব্যাপী গেরিলা যুদ্ধ।
- ৮। বাংলা-দশি নিয়মিত সামরিক বাহিনীর প্রচলিত যুদ্ধ।
- ৯। বীর শ্রেষ্ঠ-দের জীবন-বৃত্তান্ত এবং যুদ্ধের সংক্ষিপ্ত বৃত্তান্ত।

অধ্যায়-৩
প্রতিরক্ষার সংজ্ঞা, প্রয়োজনীয়তা এবং দেশের সার্বভৌমত্ব রক্ষায় এর গুরুত্ব

- ১০। বাংলা-দ-শর প্রতিরক্ষা ও এর বিভিন্ন সমস্যা।
- ১১। জাতীয় প্রতিরক্ষা এর উপাদান এবং কার্যকরী বিষয়সমূহ।
- ১২। বাংলা-দশ এর জন্য জাতীয় প্রতিরক্ষা সম্পর্ক সাধারণ ধারণা।
- ১৩। বাংলা-দ-শর ভূ-প্রকৃতি, নদ-নদী, বন-জঙ্গল, ভূমিরূপ ইত্যাদি সম্পর্কে ধারণা এবং প্রতিরক্ষা ব্যবস্থার সাথে এদের সম্পর্ক।
- ১৪। প্রতিরক্ষা ব্যবস্থার প্রাকৃতিক সম্পদ, জন-বসতির ঘনত্ব ও বঙ্গোপসাগরের কৌশলগত গুরুত্ব।
- ১৫। প্রতিবেশী দেশসমূহের সাথে সম্পর্কের ক্ষেত্রে প্রতিরক্ষা ব্যবস্থার ভূমিকা।

অধ্যায়-৪
বিশ্ব শান্তি গ-বষণার রূপ-রখা ও যুদ্ধের আইনগত দিক এবং যুদ্ধাপরা-ধর বিচারসমূহ

- ১৬। বিশ্ব শান্তি রক্ষায় আন্তর্জাতিক সংগঠনসমূহ - বি-শষত জাতিসংঘ এবং এর অংগ সংগঠনসমূহ।
- ১৭। যুদ্ধের আইনসমূহ এবং যুদ্ধ বন্দী-দের প্রতি আচরণ।
- ১৮। যুদ্ধাপরা-ধর বিভিন্ন দিক ও মানবতার বিরুদ্ধে অপরাধ।

অধ্যায়-৫
বাংলা-দ-শর স্বাধীনতা ও সার্ব-ভৌমত্ব রক্ষায় এবং বেসামরিক প্রশাসন-ক সহায়তায় প্রতিরক্ষা বাহিনীর ভূমিকা ও উদ্দেশ্য

- ১৯। বাংলা-দ-শর সংবিধান-নর আ-লা-ক পররাষ্ট্র নীতি ও প্রতিরক্ষা ব্যবস্থা।
- ২০। দেশ গড়ার কা-জ প্রতিরক্ষা বাহিনীর ভূমিকা, দায়িত্ব ও কর্ম-কৌশল।
- ২১। জাতীয় সংকট এবং প্রাকৃতিক দু-র্ঘাণ মোকা-বলায় প্রতিরক্ষা বাহিনী।
- ২২। -দ-শর অভ্যন্তরীণ আইন-শৃঙ্খলা রক্ষায় প্রতিরক্ষা বাহিনী।

অধ্যায়-৬

পার্বত্য চট্টগ্রাম-মর অভ্যন্তরীণ সমস্যা মোকা-বলায় প্রতিরক্ষা বাহিনীর ভূমিকা

- ২৩। পার্বত্য চট্টগ্রাম-মর অভ্যন্তরীণ সমস্যার মূল কারণসমূহ।
২৪। পার্বত্য চট্টগ্রাম-মর জাতিগত, অর্থ-নতিক এবং রাজনৈতিক সমস্যা।
২৫। পার্বত্য চট্টগ্রাম-মর শান্তি রক্ষায় প্রতিরক্ষা বাহিনীর ভূমিকা ও দায়িত্ব।

অধ্যায়-৭

জাতিসংঘ শান্তিরক্ষা মিশন

- ২৬। জাতিসংঘ এবং জাতিসংঘ-ঘর বিভিন্ন মিশ-নর পরিচিতি।
২৭। বাংলা-দ-শর প্রতিরক্ষাবাহিনীর সদস্য-দর জাতিসংঘ-ঘর বিভিন্ন শান্তিরক্ষা মিশ-ন অংশগ্রহণ-র পরিসংখ্যান ও তথ্যাদি
২৮। জাতিসংঘ-ঘর বিভিন্ন শান্তিরক্ষা মিশ-ন বাংলা-দ-শর প্রতিরক্ষাবাহিনীর সদস্য-দর ভূমিকা, সুনাম অর্জন ও দক্ষতার বিবরণ

অধ্যায়-৮

সামরিক-বেসামরিক ও প্রতিরক্ষা গণমাধ্যম সম্পর্ক

- ২৯। সামরিক এবং বেসামরিক সম্পর্ক কি ?
৩০। সামরিক এবং বেসামরিক সম্পর্ক এর দিক সমূহ এবং সম্পর্ক উন্নয়ন-র উপায়।
৩১। গণ মাধ্যম কি ?
৩২। প্রতিরক্ষা বাহিনী এর কার্যক্রম-ম গণমাধ্যম এর কার্যকরী উপাদান সমূহ।
৩৩। সামরিক এবং গণমাধ্যম এর ভবিষ্যৎ সম্পর্ক উন্নয়ন-র উপায়

অধ্যায়-৯

বিংশ শতাব্দীর উল্লেখ-যোগ্য সামরিক প্রযুক্তিসমূহ

- ৩৪। বিমান প্রযুক্তি।
৩৫। ডু-বা জাহাজ প্রযুক্তি।
৩৬। ট্যাংক প্রযুক্তি।
৩৭। মিজাইল (ক্ষেপনাস্ত্র) প্রযুক্তি।
৩৮। আনবিক প্রযুক্তি।
৩৯। বেতার প্রযুক্তি।
৪০। কম্পিউটার প্রযুক্তি।

অধ্যায়-১০

বিংশ শতাব্দীর উল্লেখ-যোগ্য যুদ্ধসমূহ

- ৪১। প্রথম বিশ্বযুদ্ধ।
৪২। দ্বিতীয় বিশ্বযুদ্ধ।
৪৩। চী-নর প্রচলিত গণযুদ্ধ।
৪৪। -কারিয়ার যুদ্ধ।
৪৫। ভি-য়তনা-মর যুদ্ধ।
৪৬। পাক-ভারত যুদ্ধ।
৪৭। আরব ইসরা-য়-লর যুদ্ধ-১৯৬৭।
৪৮। আরব ইসরা-য়-লর যুদ্ধ- ১৯৭৩।
৪৯। উপসাগরীয় যুদ্ধ।
৫০। আফগানিস্তান-নর যুদ্ধ।