

B.Sc (HONS.) SEC & DSE Papers

<u>Sl. No</u>	<u>Subject Name</u>	<u>Sem –III</u>	<u>Sem – IV</u>	<u>Sem – V</u>	<u>Sem - VI</u>
1	Physics	SEC A1: Scientific Writing	SEC B1: Arduino	DSE A1: Laser and Fiber Optice DSE B1: Nuclear and Particle Physics	DSE A1: Nanomaterials OR DSE A2: Advanced Classical Dynamics DSE B2: Advanced Statistical Mechanics
2	Electronics	SEC A1: Design and Fabrication of Printed Circuit Boards	SEC B2: Programming with MATLAB / SCILAB	DSE A2: Control System DSE B2: Power Electronics	DSE A2: Digital Signal Processing DSE B2: Transmission Line, Antenna & Microwave Devices
3	Statistics	Statistical Data Analysis using R	Monte Carlo Method	Statistical Quality Control Operations Research	Survival Analysis Project Work
4	Computer Science	Computer Graphics	Information Security	1. Digital Image Processing 2. Programming using Python	1. Multimedia and Applications 2. Introduction in Computational Intelligence
5	Mathematics	C Programing Language	Mathematical Logic	DSE A1: Advanced Algebra DSE B1: Linear Programming and Game Theory	DSE A2: Differential Geometry DSE B2: Point Set Topology
6	Economics	SEC A1: Data Analysis / Rural Development	SEC B2: Managerial Economics	DSE A1: Applied Econometrics / Economic History of India DSE B1: Financial Economics	DSE A2: Money and Financial Markets DSE B2: Environmental Economics
7	Psychology (B.Sc)	Behaviour Modification	Stress Management	DSE 1: Positive Psychology DSE 2: Human Resource Management	DSE 3: Health Psychology DSE 4: Community Psychology
8	Chemistry	Analytical Clinical Biochemistry	Pharmaceutical Chemistry	DSE A2: Application of Computer in Chemistry DSE B1: Inorganic Materials of Industrial Importance	DSE A4: Analytical Methods in Chemistry DSE B4: Dissertation
9	Geology	SEC A1: Field Work	SEC B1: Field Work	DSE A: Tectonics DSE B: Fuel Geology	DSE A: Earth and Climate DSE B: Field Geology and Grand Viva
10	Geography	SEC A1: Coastal Management	SEC B3: Rural Development	DSE A2: Climate Change DSE B5: Cultural and Settlement Geography	DSE A4: Resource Geography DSE B8: Geography of India

11	Zoology	SEC: Sericulture	SEC: Aquarium Fisheries	DSE A: Parasitology DSE B: Endocrinology	DSE A: Animal Biotechnology DSE B: Animal Behaviour and Chronobiology
12	Botany	SEC A: Applied Phycology, Mycology and Microbiology	SEC B: Plant Breeding	DSE A (Group A): Biostatistics DSE B(Group B): Plant Biotechnology	DSE A (Group A): Medicinal and Ethnobotany DSE B (Group B): Research Methodology
13	Microbiology	SEC A2: Biofertilizers and Biopesticides	SEC B2: Microbiological Analysis of Air and Water	DSE A1: Microbial Biotechnology DSE B2: Microbes in sustainable agriculture and developments	DSE A3: Plant Pathology DSE B3: Instrumentation and Biotechniques
14	Biochemistry	SEC A2: Protein Purification	SEC B1: Clinical Biochemistry	DSE A2: Molecular Basis of Infectious Human Diseases DSE B1: Advance Biochemistry	DSE A4: Molecular Basis of Non-Infectious Diseases DSE B3: Molecular Diagnostics
15	ENVS	SEC A2: Wildlife Management	SEC B1: Environmental Impact and Risk Assessment	DSE A1: Energy and Environment DSE B2: Solid waste Management	DSE A3: Green Technology DSE B1: Natural Hazard and Disaster Management
16	IFF	SEC A1: Pearl Culture	SEC B1: Crab Culture	DSE A1: Fishery Microbiology DSE B1: Entrepreneurship Development	DSE A2: Biostatistics, Computer Application, Remote Sensing and GIS DSE B2: Tools and Techniques in Biology

ARTS AND HUMANITIES

Sl. No	Subject Name	Sem -III	Sem - IV	Sem - V	Sem - VI
1	Bengali	SEC A3: প্রসঙ্গিক ব্যঙ্গনাট্য-৩	SEC B4: প্রসঙ্গিক ব্যঙ্গনাট্য-২	১) ব্যঙ্গনাট্যের ইতিহাস ২) বিচারিক বিচারের ইতিহাস	১) ব্যঙ্গনাট্যের ইতিহাস ২) ব্যঙ্গনাট্যের ইতিহাস
2	English	Business Communication	Academic Writing and Competition	DSE A1: Modern Indian Writing in English Translation DSE B1: Literary Types, Rhetoric and Prosody	DSE A3: Partition Literature DSE B3: Autobiography
3	Sanskrit	Sanskrit Writing Skill	Spoken and complete oral Sanskrit	Darsana Kavya	Vyakarana Veda

4	History	SEC A1: Archives Museum	SEC B2: Art Appreciation	DSE A1: History of Bengal (1757 – 1905) DSE B1: History of Modern East Asia-I (China) (1840 – 1949)	DSE A3: History of Modern East Asia-II (Japan) (1868 – 1945) DSE B3: History of Bengal-I (1905 – 1947)
5	Political Science	SEC A1: Democratic Awareness Through Legal Literacy	SEC B1: Legislative Practices and Procedures	DSE A1: Gender and Politics DSE B1: Indian Foreign Policy in Globalising World	DSE A3: Public policy of India DSE B4: Human Rights in Comparative Perspectives
6	Philosophy	Man and Environment	Philosophy of Human Rights	DSE A: Normative and Meta-Ethics DSE B: An enquiry concerning human understanding	DSE A: Philosophy of Language (Western) DSE B: Swami Vivekananda
7	Sociology	SEC A1: Reading Writing and Interpretation in Sociology	SEC B1: Statistical Reasoning for Sociology	DSE A2: Sociology of work and Industry DSE B1: Indian Sociological Tradition	DSE A3: Environmental Sociology DSE B4: Project DSE
8	Journalism	SEC A1: Radio Writing and Presentation	SEC B1: Documentary Film Production	DSE A1: Global Media and Politics DSE B2: Communication Research	DSE A3: Dissertation with Presentation DSE B3: Folk and Community Media
9	BBA	IT Tools for Business	E Commerce	DSE 3: Human Resource: a. Systems and Strategies b. Management of Industrial Relation DSE 2: Marketing: Consumer Behaviour Advertising and Brand Management	DSE 3: Human Resource: Performance and Compensation Management DSE 2: Marketing: Marketing of Services
10	Communicative English	Review Writing and Travel Writing	Business English Communication	DSE A1: Newspaper Report and Feature Writing DSE B1: Translation Studies	DSE A2: Discourse Analysis DSE B2: Language Online

B.Sc (GENERAL) SEC & DSE Papers

Sl. No	Subject Name	Sem –III	Sem – IV	Sem – V	Sem - VI
1	Physics	SEC: Scientific Writing	SEC: Arduino	SEC: Scientific Writing DSE: Modern Physics	SEC: Arduino DSE: Nuclear Physics
2	Statistics	SEC: Statistical Data Analysis using R	SEC: Database Management System	SEC: Research Methodology DSE: Operation Research	SEC: Monte Carlo Method DSE: Project Work
3	Computer Science	NA	SEC: Information Security	SEC: NA DSE: Database Management	SEC: Multimedia and Its Application DSE: Object Oriented Programming
4	Mathematics	SEC: C Programming Language	SEC: Mathematical Logic	SEC: Object Oriented Programming using C++ DSE: Particle Dynamics	SEC: Boolean Algebra DSE: Advanced Calculus
5	Economics	SEC: Introductory Method of Field Survey / Elementary Rural Development	SEC: Economic Data Analysis and Report Writing / Entrepreneurship and Development	SEC: Introductory Method of Field Survey / Elementary Rural Development DSE: Money and Banking	SEC: Economic Data Analysis and Report Writing / Entrepreneurship and Development DSE: Public Finance
6	Chemistry	SEC: Basic Analytical Chemistry	SEC: Pharmaceutical Chemistry	SEC: Analytical Clinical Biochemistry DSE: Inorganic Materials of Industrial Importance	SEC: Pesticides Chemistry DSE: Analytical Methods in Chemistry
7	Zoology	SEC: Apiculture	SEC: Aquarium Fish keeping	DSE: Applied Zoology	DSE: Ecology and Wild Life Biology
8	Botany	NA	NA	SEC: Plant Breeding and Biometry DSE: Phytochemistry and Medicinal Botany	SEC: Plant Biotechnology DSE: Economic Botany

B.A. (GENERAL) SEC & DSE Papers

Sl. No	Subject Name	Sem –III	Sem – IV	Sem – V	Sem - VI
1	Bengali	SEC: ব্যবহারিক বাংলা-১	SEC: ব্যবহারিক বাংলা-২	DSE: বাংলা গোয়েন্দা সাহিত্য, কল্পবিজ্ঞান আশ্রয়ী রচনা এবং অলৌকিক কাহিনী	DSE: লোকসংস্কৃতি ও লোকসাহিত্য
2	English	SEC: Business Communication	SEC: Creative Writing	SEC: Business Communication DSE: British Literature	SEC: Creative Writing DSE: Partition Literature
3	Sanskrit	NA	NA	SEC: Basic Elements of Ayurveda DSE: Philosophy Religion and Culture in Sanskrit Tradition	SEC: Yogasutra of Patanjali DSE: Literary Criticism
4	History	SEC: Historical Tourism Theory and Practice	SEC: Museums and Archives in India	SEC: Indian History and Culture DSE: Some Aspects of European History c. 1780 – 1945	SEC: Orality and Oral Culture in India DSE: Patterns of Capitalism in Europe c. 16 th Century to early 20 th Century
5	Political Science	SEC: Legal Literacy	SEC: Elemental Dimensions of Research	SEC: Legal Literacy DSE: Indian Foreign Policy	SEC: Elemental Dimensions of Research DSE: Human Rights: Theory and Indian Context
6	Philosophy	SEC: Logocal Reasoning and Application	SEC: Man and Environment	SEC: Logocal Reasoning and Application DSE: Social and Political Philosophy	SEC: Man and Environment DSE: Applied Ethics and philosophy of Religion
7	Sociology	SEC: Techniques of Social Research	SEC: Theory and Practice of Development	SEC: Gender Sensitization DSE: Religion and Society	SEC: Application of Statistics for Sociology DSE: Social Stratification