



Department of Electronics
Teaching Plan for Semester – 1

Name of Faculty: Arnab Samadder

Paper: CC –2 Theory (Mathematics Foundation for Electronics)

Lectures Allotted: 56

Lecture Number	Proposed Topics to be taught
1 – 5	Ordinary Differential Equation
6– 14	Series Solution of Differential Equations and Special Functions
15 – 24	Matrices
25 – 34	Sequences and Series
35 – 46	Complex Variables and Functions
47 – 56	Laplace transform

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





Department of Electronics
Teaching Plan for Semester – 1

Name of Faculty: Arnab Samadder

Paper: CC –1 Practical (Basic Circuit Theory and Network Analysis)

Lectures Allotted: 56

Lecture Number	Proposed Topics to be taught
1 – 5	Familiarization with passive components, multimeter, energy sources, voltage and current divider circuit
6 – 10	Measurements of amplitude, frequency and phase difference using CRO
11 – 15	Verification of KVL
16 – 20	Verification of KCL
21 - 25	Verification of Thevenin's Theorem
26 - 30	Verification of Norton's Theorem
31- 35	Verification of Superposition Theorems
36-40	Verification of Maximum Power Transfer Theorem
41-45	RC Circuits
46-47	Low Pass RC filter
48-50	High Pass RC filter
51-56	Frequency response of a series LCR circuit

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





Department of Electronics
Teaching Plan for Semester – 5

Name of Faculty: Arnab Samadder

Paper: CC – 12 Theory (Microprocessors and Microcontrollers)

Lectures Allotted: 56

Lecture Number	Proposed Topics to be taught
1 – 2	Introduction to Microprocessors
3 – 10	Microprocessor 8085 architecture
10 – 20	8085 instructions, timing diagram, stack, subroutines, counter and time delays, interrupts
21 – 28	Assembly language program, interfacing with 8255 PPI chip
29 – 31`	Introduction to microcontroller, microcontroller features
32 – 36	Introduction to PIC 16F887 microcontroller, features
37 – 42	Memory organization, ADC, EUSART, MSSP
43 – 46	Instruction set, interrupts, addressing mode
47 – 51	Programming
52 – 56	Interfacing to PIC16F887

Manan Kabi





Department of Electronics
Teaching Plan for Semester – 5

Name of Faculty: Arnab Samadder

Paper: CC – 12 Practical (Microprocessors and Microcontrollers)

Lectures Allotted: 56

Lecture Number	Proposed Topics to be taught
1 – 2	Block transfer, addition, subtraction in 8085
3 – 10	Multiplication, Division, odd-even isolation in 8085
10 – 20	Array, ascending, descending, Fibonacci series in 8085
21 – 28	To search maximum and minimum number, Square root, GCD, Truth table verification of logic gates in 8085
29 – 31	LED blinking with a specific time delay, Solid State Relay Interface using Microcontroller
32 – 36	Interfacing LCD, stepper motor, rotating stepper motor using Microcontroller
37 – 42	To test 74XX series IC, generation of sine, cosine, triangular, sawtooth waveforms using Microcontroller
43 – 46	ADC, Display of 4-digit decimal number using Microcontroller
47 – 51	Speed control of DC motor using stepper motor using Microcontroller
52 – 56	Interfacing matrix keyboard, serial communication between Microcontroller and PC

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





Department of Electronics
Teaching Plan for Semester – 3

Name of Faculty: Dr. Kunal Sinha

Paper: CC – 5 (Semiconductor Device) (Theory)

Lectures Allotted: 56

Lecture Number	Proposed Topics to be taught
1 – 10	Semiconductor Basics
11 – 13	Carrier Transport Phenomenon
14 – 20	Physics of Junctions
21 – 26	PN junction Diodes
27 – 28	Application of Diode
29 – 38	Bipolar Junction Transistor
39 – 40	FET
41 – 43	JFET
44 – 50	MOSFET
51 – 56	Power Devices

Paper: CC – 5 (Semiconductor Device) (Practical)

Lecture Hours: 56

Lecture Number	Proposed Topics to be taught
1 – 8	I-V characteristics of PN junction diode and Zener Diode
9 – 14	I-V characteristics of CE mode BJT configuration
15 – 20	I-V characteristics of CB mode BJT configuration
21 – 26	I-V characteristics of SCR
27 – 32	I-V characteristics of DIAC
33 – 38	I-V characteristics of TRIAC
39 – 44	I-V characteristics of JFET / MOSFET
45 – 50	I-V characteristics of Solar Cell
51 – 56	Study of Hall Effect

Manan Kabir
PRINCIPAL





Department of Electronics

Teaching Plan for Semester – 5

Name of Faculty: Dr. Kunal Sinha

Paper: DSE – B2 (Power Electronics) (Theory)

Lectures Allotted: 56

Lecture Number	Proposed Topics to be taught
1 – 5	Power Devices
6 – 12	Semiconductor Controlled Rectifier
12 – 14	Application of SCR
15 – 19	DIAC, TRIAC
20 – 22	IGBT
23 – 24	Power MOSFET
25 – 30	Power Inverters
31 – 36	Choppers
37 – 42	Regulators and Converters
43 – 56	Electromechanical Machines

Paper: DSE – B2 (Power Electronics) (Practical)

Lectures Allotted: 56

Lecture Number	Proposed Topics to be taught
1 – 5	I-V characteristics of DIAC
6 – 10	I-V characteristics of TRIAC
11 – 15	I-V characteristics of SCR
16 – 21	SCR as half wave and full wave rectifier
22 – 27	DC motor control using SCR
28 – 32	DC motor control using TRIAC
33 – 37	AC voltage controller using TRIAC using UJT triggering
38 – 42	Study of Parallel and Bridge Inverter
43 – 47	Design of Snubber Circuit
48 – 52	I-V characteristics of MOSFET and IGBT
53 – 56	Study of Chopper circuit

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





Department of Electronics
Teaching Plan for Semester – 1

Name of Faculty: Madhurima Chatterjee

Paper: CC –1 Theory (Basic Circuit Theory and Network Analysis)

Lectures Allotted: 56

Lecture Number	Proposed Topics to be taught
1 – 5	Basic Circuit Concepts: passive components and their variations/ varieties
6– 10	Basic Circuit Concepts: Energy sources, measurement of passive components
11 – 17	KVL, KCL, node and mesh analysis, Star-delta network and their conversion
18 – 24	Transient Response
25 – 32	Sinusoidal voltage and current, RL, RC, RLC network under sinusoidal excitation, phasor, complex impedance
33 – 40	Resonance, passive filter, passive integrator and differentiator
41-48	Network Theorems
49-56	Z, Y, ABCD parameters, network graph theory





Department of Electronics
Teaching Plan for Semester – 1

Name of Faculty: Madhurima Chatterjee

Paper: CC –1 Practical (Basic Circuit Theory and Network Analysis)

Lectures Allotted: 56

Lecture Number	Proposed Topics to be taught
1 – 5	Familiarization with passive components, multimeter, energy sources, voltage and current divider circuit
6 – 10	Measurements of amplitude, frequency and phase difference using CRO
11 – 15	Verification of KVL
16 – 20	Verification of KCL
21 - 25	Verification of Thevenin's Theorem
26 - 30	Verification of Norton's Theorem
31- 35	Verification of Superposition Theorems
36-40	Verification of Maximum Power Transfer Theorem
41-45	RC Circuits
46-47	Low Pass RC filter
48-50	High Pass RC filter
51-56	Frequency response of a series LCR circuit



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

Department of Electronics
Teaching Plan for Semester – 3

Name of Faculty: Madhurima Chatterjee

Paper: CC – 7 Theory (Electromagnetics)

Lectures Allotted: 56

Lecture Number	Proposed Topics to be taught
1 – 8	Vector Analysis, Poisson's Equation, Laplace Equation
9 – 20	Electrostatics
21 – 31	Magnetostatics
32 – 42	Time Varying Fields and Maxwell's Equations
43 – 56	Electromagnetic wave propagation

Manan Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

Department of Electronics
Teaching Plan for Semester – 3

Name of Faculty: Madhurima Chatterjee

Paper: CC – 7 Practical (Electromagnetics)

Lectures Allotted: 56

Lecture Number	Proposed Topics to be taught
1 – 5	Understanding and plotting vectors
6 – 10	Transformation of vectors in various coordinate systems
11 – 15	2D and 3D graphical plotting
16 – 20	Representation of gradient, divergence and curl of a vector field
21 – 25	Plot of electric field and electric potential
26-30	Plot of magnetic flux density
31-40	Programs and contour plots to illustrate the method of image
41-48	Solution of Poisson's and Laplace Equation
49-56	Introduction to computational electromagnetics


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





Department of Electronics
Teaching Plan for Semester – 5

Name of Faculty: Sourav Kumar Bhowmick

Paper: CC – 11 (Electronic Instrumentation), Theory

Lectures Allotted: 56

Lecture Number	Proposed Topics to be taught
1 – 10	Quantity of Measurement
11 – 13	Basic measurement Instruments
14 – 20	Connector and probe
21 – 26	Measurement of Resistance and Probe
25 – 26	A/D and D/A converter
27 – 38	Oscilloscope
39 – 40	Oscilloscope
41 – 43	Signal Generator
44 – 50	Transducer and Sensor
51 – 56	Transducer and Sensor

Name of Faculty: Sourav Kumar Bhowmick

Paper: CC – 11 (Electronic Instrumentation), Practical

Lectures Allotted: 56

Lecture Number	Proposed Topics to be taught
1 – 12	Design of Multirange voltmeter and Ammeter
13 – 18	Measurement of Resistance by wheatstone Bridge
19 – 25	Measurement of capacitance by de Sautys
26 – 29	Measurement of Low resistance by Kelvin Bridge
30 – 36	Instrumentation amplifier
37 – 42	Study of LDR characteristics
43 – 46	LVDT
47 – 49	Thermistor characteristics
50 – 53	Transducer Strain Gauge
54 – 56	Implementation of Temperature controller


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail@asutoshcollege.in
Web : www.asutoshcollege.in

Department of Electronics
Teaching Plan for Semester – 3

Name of Faculty: Sourav Kumar Bhowmick

Paper: SEC A1(Design and Fabrication of printed circuit Board)

Lectures Allotted: 28

Lecture Number	Proposed Topics to be taught
1 – 5	PCB Fundamentals
6 – 12	Schematic and Layout Design
12 – 14	Technology of PCB
15 – 19	Technology of PCB
20 – 22	Technology of PCB
23 – 24	PCB Technology

Manan Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





Department of Electronics

Teaching Plan for Semester – 5

Name of Faculty: Rabia Sultana

Paper: DSE-5-A-2 (Control Systems)

Lectures Allotted: 56

Lecture Number	Proposed Topics to be taught
1 – 12	Introduction to Control Systems
13– 20	Time Domain Analysis
21 – 26	Concept of Stability
27 – 42	Frequency Domain Analysis
43 – 50	State Space Analysis
51 – 56	Controllers and Compensation Techniques

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail@asutoshcollege.in
Web : www.asutoshcollege.in

Department of Electronics

Teaching Plan for Semester – 3

Name of Faculty: Rabia Sultana

Paper: CC – 6 (Electronic Circuits)

Lectures Allotted: 56

Lecture Number	Proposed Topics to be taught
1 – 14	Diode Circuits
15 – 28	Bipolar Junction Transistor Circuits
29 – 42	Feedback Amplifiers
43 – 44	MOSFET Circuits
45 – 54	Power Amplifiers
55 – 56	Single Tuned Amplifiers

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/2486-3912
Fax : (033) 2486-3006
Mail : mail@asutoshcollege.in
Web : www.asutoshcollege.in

Department of Electronics

Teaching Plan for Semester – 5

PRACTICAL

Name of Faculty: Rabia Sultana

Paper: DSE-5-A-2-P (Control Systems)

Lectures Allotted: 56

Lecture Number	Proposed Topics to be taught
1 – 6	To Study Characteristics of (a) Synchro Transmitter Receiver (b) Synchro as Error Detector
7– 9	To Study Position Control of DC Motor
10 – 12	To Study Speed Control of DC Motor
13 – 15	To Find Characteristics of AC Servo Motor
16 – 24	To Study Time Response of Type 0, 1 and 2 Systems
25 – 30	To Study Frequency Response of First and Second Order Systems
31-33	To Study Time Response Characteristics of Second Order System
34 - 36	To Study Effect of Damping Factor on Performance of Second Order System
37 - 45	To Study Frequency Response of Lead and Lag Networks
45 - 56	Study of P, PI and PID Controller

Mana Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





Department of Electronics

Teaching Plan for Semester – 3

PRACTICAL

Name of Faculty: Rabia Sultana

Paper: CC –06-P (Electronic Circuits Lab)

Lectures Allotted: 56

Lecture Number	Proposed Topics to be taught
1 – 9	Study of Half-Wave Rectifier and Full Wave (Centre Tap and Bridge) Rectifier
10 – 15	Study of Power Supply using C Filter and Zener Diode
16 - 24	Designing and Testing of 5V/9V DC Regulated Power Supply using Two Transistors and find its Load Regulation
25 - 33	Study of Clipping and Clamping Circuits
34 – 42	Study of Fixed Bias, Voltage Divider Bias and Collector to Base Bias Feedback Configuration for Transistors
43 – 45	Designing of a Single Stage CE Amplifier
46 - 48	Study of the Colpitt's Oscillator
49 - 51	Study of the Phase Shift Oscillator
52 - 56	Study of the Frequency Response of Common Source FET Amplifier

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail@asutoshcollege.in
Web : www.asutoshcollege.in

TEACHING PLAN FOR DEPARTMENT OF HISTORY

Name of Faculty: Sebanti Bandyopadhyay

PAPER : CC1, CC2

LECTURES ALLOTTED: 24

ALLOTTED SYLLABUS: CC1 MODULE 1, CC2 MODULE 4

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1-8	CC1 I (a) Early Indian notions of History, itihās Purāna tradition. (b) Sources and tools of historical reconstruction, Archeological and literary sources, significance and limitations.
8-12	CC1 I(c) Historical interpretations(with special reference to gender, environment, technology and regions)
12-16	CC2 IV Nomadic groups in Central and West Asia
16-20	Debates on the advent of iron technology
20-24	Implications of the advent of iron.
TOPIC/SUBTOPIC:	

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





TEACHING PLAN FOR SEMESTER 3

NAME OF FACULTY: SEBANTI BANDYOPADHYAY

PAPER: CC6, CC7

LECTURES ALLOTTED: 24

ALLOTTED SYLLABUS: CC6 MODULES 5 and 6, CC7 MODULES 3

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1-8	CC6V (a) Economic developments, (b) Shift in the economic balance, rise of Antwerp and Amsterdam, (c) Commercial revolution
8-12	CC6 V(d) Price revolution, (e) Agricultural revolution and the Enclosure movement
12-18	CC6 VI (a) Development of national monarchy, (b) Emergence of European state system.
18-20	CC7 III(a) Iqta and the revenue free grants, (b) Agricultural production, technology
20-24	CC7 III(c) Changes in rural society, revenue systems, (d) monetization, market regulations, growth of urban centres, trade and commerce. Indian ocean trade.

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF HISTORY
TEACHING PLAN FOR SEMESTER III

NAME OF FACULTY: SEBANTI BANDYOPADHYAY

PAPER: SEC A1—ARCHIVES AND MUSEUMS

LECTURES ALLOTTED: 4 CLASSES/WEEK

ALLOTTED SYLLABUS: MODULES III, IV

TOPIC/SUBTOPIC: MUSEUM PRESENTATION AND EXHIBITION; MUSEUMS, ARCHIVES AND SOCIETY	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1—3	MUSEUM PRESENTATION AND EXHIBITION WITH REFERENCE TO SPECIFIC MUSEUMS
4—6	ROLE OF ARCHIVES AND MUSEUMS IN DISSEMINATING INFORMATION AND MOULDING THE SOCIETY
7—8	VISIT TO ANY OF THE MANY MUSEUMS LOCATED IN KOLKATA

SIGNATURE


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF HISTORY
TEACHING PLAN FOR SEMESTER- I

NAME OF FACULTY: SOUMITA ROY

PAPER: CC-I

LECTURES ALLOTTED:

ALLOTTED SYLLABUS: UNIT-V (CULTURES IN TRANSITION)

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1	SETTLEMENT PATTERNS IN NORTH INDIA
2	TECHNOLOGICAL AND ECONOMIC DEVELOPMENTS OF NORTH INDIA
3	SETTLEMENT PATTERNS IN DECCAN AND SOUTH INDIA
4-6	SOCIAL STRATIFICATION AND POLITICAL RELATIONS IN NORTH, DECCAN AND SOUTH INDIA
7	RELIGION AND PHILOSOPHY IN NORTHERN INDIA
8	RELIGION AND PHILOSOPHY IN DECCAN AND SOUTH INDIA
TOPIC/SUBTOPIC:	
9-12	THE ARYAN PROBLEM

Manan Kabi
PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF HISTORY
TEACHING PLAN FOR SEMESTER-III

NAME OF FACULTY : SOUMITA ROY

PAPER : CC-5

LECTURES ALLOTTED:

ALLOTTED SYLLABUS: UNIT-V-A, B, C

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1-4	BHAKTI, TANTRISM, PURANIC TRADITIONS
5-7	BUDDHISM, JAINISM, POPULAR RELIGIOUS CULTS
8-9	ISLAMIC INTELLECTUAL TRADITION: AL-BIRUNI
10	AL-HUJWIRI
11-15	REGIONAL LANGUAGES AND LITERATURE
TOPIC/SUBTOPIC:	

Manab Kabi
PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail@asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF
TEACHING PLAN FOR SEMESTER I

NAME OF FACULTY: SUBHASRI GHOSH

PAPER: CC1

LECTURES ALLOTTED: 6 CLASSES/WEEK

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC: CC1—HARAPPAN CIVILIZATION	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1—12	HARAPPAN CIVILIZATION
1—3	ORIGIN, SETTLEMENT PATTERN, TOWN PLANNING
4—6	AGRARIAN BASE, CRAFT PRODUCTION, TRADE
7—8	SOCIAL AND POLITICAL ORGANIZATION
9	RELIGIOUS BELIEF
10-12	DECLINE

Manab Kabi
PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail@asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF
TEACHING PLAN FOR SEMESTER I

NAME OF FACULTY: SUBHASRI GHOSH

PAPER: CC2

LECTURES ALLOTTED: 6 CLASSES/WEEK

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC: CC2—SLAVE SOCIETY IN ANCIENT GREECE AND ROME; POLIS IN ANCIENT GREECE AND ROME	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1—8	ATHENS AND SPARTA; DEMOCRACY (SOLON, CLEISTHENES, EPHEIALTES, PERICLES); SOPHISTS, PHILOSOPHY (SOCRATES, ARISTOTLE, PLATO), PERSIAN WAR, PELOPONNESIAN WAR, RELIGIOUS BELIEF, SLAVERY, CULTURE
9-12	AGRARIAN ECONOMY, URBANIZATION, SLAVERY, TRADE

Manab Kabi
PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail@asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF HISTORY
TEACHING PLAN FOR SEMESTER III

NAME OF FACULTY: SUBHASRI GHOSH

PAPER: CC5

LECTURES ALLOTTED: 4 CLASSES/WEEK

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC: CC5—TRADE AND COMMERCE; ART AND ARCHITECTURE	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1—2	URBANIZATION
3—5	MARITIME TRADE
6—7	INTER-REGIONAL TRADE
8—10	FORMS OF EXCHANGE, MERCHANTS' GUILDS OF SOUTH INDIA
11—14	ART AND ARCHITECTURE—NAGARA, DRAVIDA, VESARA

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF HISTORY
TEACHING PLAN FOR SEMESTER V

NAME OF FACULTY: SUBHASRI GHOSH

PAPER: DSE—A1—HISTORY OF BENGAL (C.1757—1905)

LECTURES ALLOTTED: 6 CLASSES/WEEK

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC: DSE—A1—HISTORY OF BENGAL (C.1757—1905)	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1—6	POLITICAL HISTORY OF BENGAL UNDER THE NAWABS, PLASSEY TO BUXAR
7—9	ADMINISTRATIVE HISTORY (1765—1833)
10—15	ECONOMY—AGRICULTURE, INDUSTRY, TRADE
16—20	SOCIO-RELIGIOUS REFORM MOVEMENTS: ABOLITION OF SATI, WIDOW REMARRIAGE, YOUNG BENGAL
21—24	PROTEST MOVEMENTS
25—26	PARTITION OF BENGAL (1905): CAUSES


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF HISTORY
TEACHING PLAN FOR SEMESTER III

NAME OF FACULTY: TANIYA ROY

PAPER: DSE—B1—HISTORY OF MODERN EAST ASIA (CHINA)

LECTURES ALLOTTED: 4 CLASSES/WEEK

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC: DSE—B3—HISTORY OF MODERN EAST ASIA: I CHINA	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1—6	CHINESE FEUDALISM: SOCIAL STRUCTURE, CONFUCIAN SYSTEM
7—9	OPIUM WARS
10—15	UNEQUAL TREATIES
16—18	FINANCE IMPERIALISM, OPEN DOOR POLICY
19—21	TAIPING MOVEMENT
22—24	BOXER MOVEMENT
25- 27	SELFSTRENGTHENING MOVEMENT
28- 30	HUNDRED DAYS REFORM
31-32	THE REVOLUTION OF 1911
33- 35	SUN YAT SEN, YUAN SHI KAI
36-38	WARLORDISM
39- 43	MAY FOURTH MOVEMENT
44- 49	COMMUNISM IN CHINA
50-54	CCP, UNITED FRONT
55-60	THE JIANGXI PERIOD AND THE RISE OF MAOTSE TUNG

Manab Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



DEPARTMENT OF
TEACHING PLAN FOR SEMESTER I

NAME OF FACULTY: TANIYA ROY

PAPER: CC2

LECTURES ALLOTTED: 4 CLASSES/WEEK

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC: CC2—SOCIAL FORMATIONS AND CULTURAL PATTERNS OF THE ANCIENT WORLD OTHER THAN INDIA	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1—5	Evolution of mankind
6—9	Paleolithic culture
10—13	Mesolithic culture
14 — 16	Role of kinship
17- 20	Food production
21-25	Bronze age civilisations
26—28	Mesopotamia
29- 32	Egypt

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF HISTORY
TEACHING PLAN FOR SEMESTER III

NAME OF FACULTY: TAANIYA ROY

PAPER: CC5

LECTURES ALLOTTED: 4 CLASSES/WEEK

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC: CC5—HISTORY OF INDIA (CE 750-1206)	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1—2	SOURCES
3—5	DEBATES ON INDIAN FEUDALISM
6—7	RAJPUTISATION
8—14	PALAS, PRATI HARAS, RASTRAKUTAS, CHOLAS
15—17	LEGITIMISATION OF KINSHIP
18-22	TURKISH INVASIONS
23-27	AGRICULTURAL EXPANSION
28-32	PROLIFERATION OF CASTES
33-36	PEASANTISATION OF TRIBE

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF HISTORY
TEACHING PLAN FOR SEMESTER III

NAME OF FACULTY: TANIYA ROY

PAPER: SEC A1—ARCHIVES AND MUSEUMS

LECTURES ALLOTTED: 4 CLASSES/WEEK

ALLOTTED SYLLABUS: MODULES I, II

TOPIC/SUBTOPIC: DEFINITION AND HISTORY OF DEVELOPMENT; TYPES OF ARCHIVES AND MUSEUMS	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1—3	DEFINITION, HISTORY OF DEVELOPMENT OF ARCHIVES AND MUSEUMS WITH REFERENCE TO INDIA
4—6	UNDERSTANDING THE TRADITION OF PRESERVATION IN INDIA
7—8	COLLECTION POLICIES, ETHICS AND PROCEDURES
9—10	DOCUMENTATION

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF HISTORY
TEACHING PLAN FOR SEMESTER V

NAME OF FACULTY : TAPTI DE

PAPER : CC 11(MODERN EUROPE : 1789-1939)

LECTURES ALLOTTED:

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1-2	Vienna Settlement : Clauses and Impact
3-6	Metternich System : Motives ; Evaluation
7-10	July Revolution : Causes ;Consequences ; Repercussions in Revolution
11-16	February Revolution : 1848 ; Causes ; Consequences ; Discussions on Central European Event
17-25	Industrial Revolution : Britain , France , Germany, Russia : State and Private Enterprise . Debate on First Industrial Revolution

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT: HISTORY
TEACHING PLAN FOR SEMESTER :III

NAME OF FACULTY : TAPTI DE

PAPER :CC6 (RISE OF MODERN WEST-1)

LECTURES ALLOTTED:

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1-4	Renaissance Art
5-10	Machiavelli
11-16	Reformation Movements : Origin and Courses
17-22	Luther ; Contradictions in Lutheranism
23-24	Calvin ;Calvinism
25-28	Radical Reformation : Anabaptism ;Huguenots
TOPIC/SUBTOPIC:	
29-32	English Reformation : An act of the State
33-34	Counter Reformation

Manan Kabi
PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF HISTORY
TEACHING PLAN FOR SEMESTER 5

NAME OF FACULTY : SEBANTI BANDYOPADHYAY

PAPER : CC 11, CC 12

LECTURES ALLOTTED: 30

ALLOTTED SYLLABUS: CC11 MODULES III(b),(c),IV(b),(d);V;VI. CC12 MODULE VI

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1-4	CC11III(b) Evolution and differentiation of social classes;(c)changing trends in demography and urban patterns.
5-12	CC11IV(a)Intellectual currents, popular movements and the formation of national identities in Germany, Italy, Ireland and balkans.(b)Economic developments, political and administrative Reorganization in Italy and Germany (d)Socialist reconstruction and Soviet union during the interwar period.
11-18	CC11 IV(a) Theories and mechanisms of imperialism;(b)growth of militarism;(c) military blocks and allainces;(d)Expansion of European empires;(e) War of 1914
19-24	CC11 VI (a)Postwar Europe;(b)The Great Depression;(c)Rise of Fascism in Italy and Nazism in Germany;(d)The Spanish Civil War;(e)Policy of Appeasement;(f)Origin and course of the Second World war
25-28	CC12VI (a) Santhal uprising;Indigo rebellion;Pabna agrarianleagues;Deccan riots.
29-30	CC12 VI (b) Uprising of 1857: causes, nature, impact, limitations.
TOPIC/SUBTOPIC:	

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata - 700026



Phone: 2455-4504/2486-3912
Fax : (033) 2486-3006
Mail : mail@asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF
TEACHING PLAN FOR SEMESTER

NAME OF FACULTY : AMINUDDIN SEIKH
PAPER : CC-I
LECTURES ALLOTTED:
ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
2	Mesolithic period / culture in India
2	Neolithic Culture in India
TOPIC/SUBTOPIC:	

Manab Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/2486-3912
Fax : (033) 2486-3006
Mail : mail@asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF
TEACHING PLAN FOR SEMESTER

NAME OF FACULTY : AMINUDDIN SEIKH

PAPER : CC-12

LECTURES ALLOTTED:

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
2	Land Revenue, Commercialization
2	De-Industrialization
2	Santal Uprising
2	Indigo, Patna, Deccan Revolt
2	Uprising of-1857

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF HISTORY
TEACHING PLAN FOR SEMESTER 5

NAME OF FACULTY: SEBANTI BANDYOPADHYAY

PAPER: CC11

LECTURES ALLOTTED: 26

ALLOTTED SYLLABUS: III B, C; IV A, B, D; V B, C, D, E.

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPICS TO BE TAUGHT
1	EVOLUTION AND DIFFERENTIATION OF SOCIAL ISSUES.
2	CHANGING TRENDS IN DEMOGRAPHY AND URBAN PATTERNS.
3	INTELLECTUAL CURRENTS IN GERMANY.
4	INTELLECTUAL CURRENTS IN ITALY.
5	INTELLECTUAL CURRENTS IN IRELAND AND BALKANS.
6	REORGANISATION OF ITALY
7	REORGANISATION OF GERMANY
8	REVOLUTIONS OF 1905
9	BOLSEVIK REVOLUTION OF 1917
10	SOCIALIST RECONSTRUCTION
11	SOVIET UNION DURING 1918-39
12	AGE OF IMPERIALISM: DEBATE
13	GROWTH OF MILITARISM

Manab Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail@asutoshcollege.in
Web : www.asutoshcollege.in

14	POWER BLOCKS AND ALLIANCES
15	EXPANSION OF EUROPEAN EMPIRES
16	FIRST WORLD WAR
17	POST WAR EUROPE
18	POST WAR EUROPE
19	THE GREAT DEPRESSION
20	RISE OF FACISM IN ITALY
21	RISE OF NAZISM IN GERMANY
22	THE SPANISH CIVIL WAR
23	POLICY OF APPEASEMENT
24	POLICY OF APPEASEMENT
25	ORIGIN OF THE SECOND WORLD WAR
26	COURSE OF THE SECOND WORLD WAR


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF HISTORY
TEACHING PLAN FOR SEMESTER 1

NAME OF FACULTY: SEBANTI BANDYOPADHYAY

PAPER: CC1

LECTURES ALLOTTED: 8

ALLOTTED SYLLABUS: MODULE 1

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1	EARLY INDIAN NOTIONS OF HISTORY
2	SOURCES AND TOOLS OF HISTORICAL RECONSTRUCTION
3	ARCHEOLOGICAL SOURCES
4	LITERARY SOURCES
5	HISTORY AND GENDER
6	HISTORY AND ENVIRONMENT
7	HISTORY AND TECHNOLOGY
8	REGIONAL HISTORY

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail@asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF HISTORY
TEACHING PLAN FOR SEMESTER 1

NAME OF FACULTY: SEBANTI BANDYOPADHYAY

PAPER: CC2

LECTURES ALLOTTED: 6

ALLOTTED SYLLABUS: MODULE IV

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1	PASTORAL NOMADISM IN WEST ASIA
2	PASTORAL NOMADISM IN CENTRAL ASIA
3	DEBATE ON ADVENT OF IRON TECHNOLOGY
4	ORIGIN AND SPREAD OF IRON TECHNOLOGY
5	IMPLICATIONS ON NONMILITARY FIELD
6	IMPLICATIONS ON MILITARY FIELD


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail@asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF HISTORY
TEACHING PLAN FOR SEMESTER 3

NAME OF FACULTY: SEBANTI BANDYOPADHYAY

PAPER: CC6

LECTURES ALLOTTED: 11

ALLOTTED SYLLABUS: MODULES V; VI

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1/ 2	SHIFT OF ECONOMIC BALANCE FROM THE MEDITERRANEAN TO THE ATLANTIC
3/ 4	COMMERCIAL REVOLUTION
5/ 6	PRICE REVOLUTION
7	AGRICULTURAL REVOLUTION
8/ 9	THE ENCLOSURE MOVEMENT
10/11	DEVELOPMENT OF NATIONAL MONARCHY
12/13	EMERGENCE OF EUROPEAN STATE SYSTEM

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF HISTORY
TEACHING PLAN FOR SEMESTER 3

NAME OF FACULTY: SEBANTI BANDYOPADHYAY

PAPER: CC7

LECTURES ALLOTTED: 10

ALLOTTED SYLLABUS: MODULE III

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1	IQTA SYSTEM DURING THE DELHI SULTANATE AND REVENUE FREE GRANTS
2	AGRICULTURAL PRODUCTION DURING SULTANATE
3	TECHNOLOGY DURING THE DELHI SULTANATE
4	REVENUE SYSTEMS DURING THE SULTANATE
5	CHANGE IN THE RURAL SOCIETY DURING SULTANATE
6	MONETIZATION
7	MARKET REGULATIONS
8	URBANIZATION DURING THE SULTANATE
9	TRADE AND COMMERCE
10	INDIAN OCEANIC TRADE



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail@asutoshcollege.in
Web : www.asutoshcollege.in

TEACHING PLAN

Faculty name: **Dr Deep Chandan Chakraborty**

Postgraduate Department of Zoology, Asutosh College

UNDERGRADUATE						
SEMESTER	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY
1 st Semester H (Classes started from 19-09-2022)		<p><u>THEORY</u> Introductory Class on Molecular Biology (CLASS 1) Nucleic Acid: Concept and features (CLASS 2)</p>	Puja Vacation	<p><u>THEORY</u> Nucleic Acid: Structural organization - Double helix, Chargaff Rule, anti-parallelity, grooves (CLASS 3) Nucleic Acid: physicochemical properties – T_m, DNA-RNA hybrid, DNA Disassociation (CLASS 4) Gene Regulation – Operon concept – Lac & Trp operon idea (CLASS 5) <u>PRACTICALS</u> Introductory Class on Molecular Biology practical (CLASS 1) DNA isolation hands on (CLASS 2-3)</p>	<p><u>THEORY</u> Gene Regulation – Lactose Operon – primary and secondary regulations (CLASS 6) Gene Regulation – Lac Operon problems, Attenuation (CLASS 7) Gene Regulation – Tryptophan Operon problems, Attenuation (CLASS 8) Regulation of Transcription in eukaryotes: Activators, enhancers, silencer, repressors (CLASS 9) <u>PRACTICALS</u> Histological staining of DNA and RNA in prepared slides (CLASS 4)</p>	<p><u>THEORY</u> Regulation of Transcription in eukaryotes: miRNA mediated gene silencing (CLASS 10) Epigenetic Regulation: DNA Methylation, Histone Methylation & Acetylation (CLASS 11) <u>PRACTICALS</u> Practise (CLASS 5) Course complete</p>

Manab Kabi
 PRINCIPAL

ASUTOSH COLLEGE

92, S. P. MUKHERJEE ROAD
 KOLKATA-700 026



1st Semester G			Puja Vacation			
3rd Semester H	<u>THEORY</u> Introductory Class on Biochemistry (CLASS 1) Carbohydrate structure (CLASS 2) Glycolysis – pathways and	<u>THEORY</u> Glycogenesis and Glycogenolysis– pathways and control (CLASS 4) Neoglucogenesis – pathway and Pentose Phosphate pathway (CLASS 5) Krebs Cycle –	Puja Vacation	<u>THEORY</u> Electron Transport chain – oxidative phosphorylation, ATP synthesis, proton motive force (CLASS 7) <u>PRACTICALS</u> Provided Google form to fix animal name for each student and schedule of presentation and report		

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
 92, S. P. MUKHERJEE ROAD
 KOLKATA-700 026



	control (CLASS 3)	regulation and importance (CLASS 6) PRACTICALS Explained about Power point presentation on study of habit, habitat or behaviour of any one animal by student - write-up format given (DAY 1)		submission dates (DAY 2) Internal Assessment team A – (DAY 3) Internal Assessment team B – (DAY 4) Internal Assessment team C – (DAY 5)		
3 rd Semester G		THEORY Carbohydrate metabolism – introduction (CLASS 1) Glycolysis, Krebs cycle (CLASS 2)	Puja Vacation	Electron Transport Chain (CLASS 3)		
5 th Semester H	THEORY Introduction to Ecology Autecology and synecology, Levels of organization (CLASS 1)	THEORY Laws of limiting factors, Study of Physical factors, The Biosphere (CLASS 2) Applied Ecology - Types & level of biodiversity Mega-diversity countries, Biodiversity Hot spot (CLASS 3) PRACTICALS Introductory class on Ecology practical (CLASS 1)	Puja Vacation	THEORY Applied Ecology - Flagship species, Keystone species, Wildlife Conservation (in situ and ex situ conservation), concept of protected areas. Red data book, Problem of corridor. (CLASS 4) Applied Ecology - Indian wild life act & Schedule. Concept of corridor, advantages (CLASS 5) Applied Ecology - Threats to survival and conservation strategies for Tiger, Olive Ridley, White Rumped Vulture (CLASS 6) PRACTICALS Determination of population density in a natural/hypothetical community by quadrat method (CLASS 2)		

Manas Kabi
PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



				Calculation of Shannon-Weiner diversity index for the same community (CLASS 3)		
5 th Semester G			Puja Vacation			
POSTGRADUATE ZOOLOGY						
SEMESTER	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY
1 st Semester			Puja Vacation	<u>THEORY</u> DNA replication and regulation - Enzymes involved in prokaryotic and eukaryotic replication and gene amplification (CLASS 1) Role of Non-coding RNA in prokaryotic and eukaryotic DNA replication (CLASS 2) Behavioural Ecology - Ecological specialization and generalization, Evolution of Sex (CLASS 3) Behavioural Ecology - Parental investment (CLASS 4)	<u>THEORY</u> Ecological Economics - Ecosystem services, types and valuation (CLASS 5) Ecological footprint analysis (CLASS 6) Eco-restoration – theories and applications (CLASS 7) Assignments verification (CLASS 8)	
3 rd Semester Core		<u>THEORY</u> Conservation of Habitats and landscape– Problems of Habitat loss – Isolation and Fragmentation, Edge influence (CLASS 1) Managing Habitat connectivity, Planning for Reserve Design, Habitat Management for Non Reserve lands (CLASS 2)	<u>THEORY</u> Process and pattern of Biodiversity – theories explaining global patterns of biodiversity; Tracking Biodiversity using Indicator species- Taxon based Biodiversity indicators (CLASS 3)	<u>THEORY</u> Conservation at Genetic levels – Problems of Inbreeding and Genetic drift in small populations; Measuring Genetic Diversity of populations, Managing Genetic Diversity for conservation. Process and pattern of Biodiversity – Biodiversity using Indicator species- Structure and Function-based Biodiversity Indicators (CLASS 4)		

Manan kabi
 PRINCIPAL

ASUTOSH COLLEGE
 92, S. P. MUKHERJEE ROAD
 KOLKATA-700 026



3rd Semester		Biodiversity and	Functional diversity	Processes in the		
Elective paper		Ecosystem function Introductory lecture on Biodiversity Ecosystem Function (CLASS 1) Statement of purpose discussion (CLASS 2) Discussion on project idea – Haldi river hydro ecology (CLASS 3) Theories on relation between biodiversity and ecosystem function Species Complementarity, Sampling effect, Redundancy (CLASS 4) Decline of global biodiversity and loss of ecosystem function. (CLASS 5)	and ecosystem functioning. (CLASS 6) The economics of biodiversity and ecosystem function (CLASS 7).	landscape- Corridors (CLASS 8) Theories in landscape ecology- Hierarchy theory and the structure of the landscape, Percolation theory (CLASS 9) Theories in landscape ecology- Metapopulation theory, The systems source sink (CLASS 10)		

Deepchandanchakraborty

Dr Deep Chandan Chakraborty

Manan kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF
TEACHING PLAN FOR SEMESTER

NAME OF FACULTY : LOPAMUDRA MUKHERJEE

PAPER : PART 1 SEM -1 CC2 MOLECULAR BIOLOGY (ZOOA-CC1-2,TH)

LECTURES ALLOTTED: TH- 27

ALLOTTED SYLLABUS: ZOOA-CC-1-P (NONCHORDATES PRACTICALS)

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
UNIT-2(3)	DNA REPLICATION
UNIT-3(2)	TRANSCRIPTION
UNIT-4(2)	TRANSLATION
PRACTICAL(3)	IDENTIFICATION WITH REASON SYSTEMATIC POSITION
TOPIC/SUBTOPIC:	

Manab Kabi
PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF
TEACHING PLAN FOR SEMESTER

NAME OF FACULTY : LOPAMUDRA MUKHERJEE

PAPER : PART II SEM -3 CC6 ANIMAL PSYCHOLOGY (ZOOA-CC3-6,TH)

(ZOOA-CC3-6P)PRACTICAL

LECTURES ALLOTTED: - 24

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
UNIT-2	BONE AND CARTILAGE
UNIT-3	NERVOUS SYSTEM
UNIT-4	MASCULAR SYSTEM
PRACTICAL	IDENTIFICATION WITH REASONS
TOPIC/SUBTOPIC:	

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF
TEACHING PLAN FOR SEMESTER

NAME OF FACULTY : LOPAMUDRA MUKHERJEE

PAPER : PART III SEM -5 CC12 PRINCIPLE OF GENETICS (ZOOA-CC-5-12,TH)
PRACTICAL (ZOOA-CC35-12P)

LECTURES ALLOTTED: 14

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
UNIT-6(1)	GENETIC FINE STRUCTURE
UNIT-3(4)	MUTATIONS
PRACTICAL	PEDIGREE ANALYSIS
TOPIC/SUBTOPIC:	

Manan Kabi
PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR M.SC. 3 SEMESTER ENVS

NAME OF FACULTY : TAPAN KUMAR ROY

PAPER : CBCC ZOOLOGY

LECTURES ALLOTTED:

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1 -7	1. Outline of animal classification Linnaean hierarchy and species concept Phylogenetic reconstruction, characters and character states, cladistic and phenetic methods (Excluding characters and its transition and basics of phenetics) Molecular taxonomy and evolutionary theories
8-10	Biodiversity indicator- Taxon based indicators. Surrogate species. Global pattern of biological diversity, endemism and mega diversity centres. Wildlife resources of India, conservation framework and status of threatened taxa

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

TEACHING PLAN FOR M.SC. SEMESTER 1

NAME OF FACULTY : TAPAN KUMAR ROY

PAPER : ZCT-101

LECTURES ALLOTTED: 15

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1-5	Invertebrate defense against predators and parasites
6-10	The language of Insect communication- Chemical mode of communication, Acoustic communication, Bioluminescence
11-16	Chemical mimicry of Insects- Courtship and reproduction, Kin selection and aggression, Interpretations of signaling pathways

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR M.SC. SEMESTER

NAME OF FACULTY : TAPAN KUMAR ROY

PAPER : ZCT-311

LECTURES ALLOTTED: 14

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1-6	Conservation of Populations –Concept of Effective population numbers and Minimum viable population;Population viability analysis and making conservation decisions,Wild life Population management and restoration.
7-12	Selection, designing and management of protected areas - Criteria for measuring conservation value of areas, Practical approaches to protected area designation; Designing protected areas; Managing protected areas; Monitoring change in protected areas.

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

NAME OF FACULTY : TAPAN KUMAR ROY

PAPER : ZCT-312

LECTURES ALLOTTED: 09

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1-4	Insect sociality and physiology – Colony optimization theories, hypothesis and social algorithms, Concepts of insect bioenergetics, Development and hormonal regulations
5-9	Insect –plant Interaction – Interaction frequency dynamics and dependent factors, Regulation of bio-molecules and active ingredients, Plant and Insect resistance

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR M.SC. SEMESTER 3

NAME OF FACULTY : TAPAN KUMAR ROY

PAPER : ZET-318

LECTURES ALLOTTED: 50

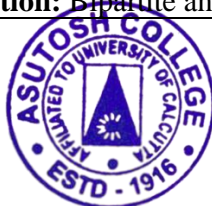
ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
	<p>Agricultural Entomology: Insect pest survey: Identification, Methods/Techniques, Pest surveillance and assessment, Status ranking, Forecasting, Limitations. Crop and stored grain pests: Principles and applications of integrated pest management, EIL-ETL dynamics, Action threshold, Pest spectrum, Secondary outbreak, Pest quarantine. Control measures: Physical, Cultural, Chemical, Biological, Genetical, Biotechnological and Biorational methods of pest control. Application of artificial intelligence in IPM</p>
	<p>Physiological Entomology: Feeding potential: Feeding potential of insects, Feeding indices and relationships, Concepts on crop selection and switching (from phytochemicals to insect digestion). Reproductive potential: Reproductive potential of insect, Calculation and assay, Responsible factors, Role in pest management and crop-yield prediction. Diapause and quiescence: Dormancy mechanism in insects and ecological significances.</p>
	<p>Insect Toxicology: Insect pesticides: Properties and functional group variation of chemical pesticides, bio-insecticides, neonicotinoids, fumigants, IGRs, attractants, repellents. Application of pesticides: Contact and systemic insecticides, Dose-response relationship, Dose standardization, Testing method/technique, Toxicity evaluation. Pesticide efficacy: Metabolism of insecticides, CNS-AChE action pathway, Antidotes, Nanocides: formulation, delivery technology, residual effects.</p>
	<p>Ecological Entomology: Insect as bio-indicator: Bio-indicator potential of insects for ecological surveillance and bio-monitoring. Soil entomology: Diversity of soil micro-arthropods, Role of soil micro-arthropods in soil health analysis. Insect-plant interaction: Bipartite and tripartite interactions, Interaction frequency and net-</p>

Manan Kabra

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





	working: assessment, analyze and signification, Concept of plant volatiles for bio-pesticide formulation, Theories of co-evolution. Plant resistance to insects.
	<p>Behavioural Entomology:</p> <p>Chronobiology and Unusual behaviour: Biological rhythm in insects (foraging, reproduction and infestation), Periodicity in migration of locusts, Impacts of catastrophic earthquakes on insect communities.</p> <p>Sociobiology: Concept of social evolution in insects, Role of cuticular hydrocarbon profiling and biogenic amines for insect recognition/aggression, Application of insect societal rules and behavioral algorithm for human welfare.</p> <p>Insect cognition and engineering: Neural basis of insect foraging: role of mushroom bodies, Odometry and insect navigation, visual cognition for pollination success, Thermoregulation and ventilation in termite mound.</p>
	<p>Functional Entomology:</p> <p>Applications of insect flight aerodynamics to micro air-vehicles</p> <p>Insect acoustics: a tool for taxonomy</p> <p>Bio sensing technology for pest detection.</p>
TOPIC/SUBTOPIC:	
	<p>Economic Entomology:</p> <p>Entomophagism: present and future prospect.</p> <p>Entomotherapy: present and future prospect.</p> <p>Bioprospecting of insects</p>
	<p>Forensic and Medical Entomology:</p> <p>Forensic Entomology: Insects for forensic importance, Role in forensic investigation (time and cause).</p> <p>Medical Entomology: Causative agents and mode of transmission for vector-borne diseases (Dengue, Chikungunya, Malaria),</p> <p>Public health importance: Control and management of Vector-borne diseases by Integrated Vector Management.</p>

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
 92, S. P. MUKHERJEE ROAD
 KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN

NAME OF FACULTY: DR SRIPARNA DATTA RAY

PAPER: CC 2 P, CC 12 (TH AND PRAC) AND PG (SEM 1 AND 3)

LECTURES ALLOTTED:

ALLOTTED SYLLABUS: DETAILS PROVIDED BELOW

TOPIC/SUBTOPIC: UNDERGRADUATE	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1	CC 2 P: Demonstration of polytene and lampbrush chromosome from photograph
2	CC 2 P: Isolation and quantification of genomic DNA from goat liver.
3	CC 2 P: Agarose gel electrophoresis for DNA.
4	CC 12: Unit 2: Linkage, Crossing Over and Linkage Mapping 8 Linkage and Crossing, Complete & Incomplete Linkage, Measuring Recombination frequency and linkage map construction using three factor crosses, Interference and coincidence Sex linkage in Drosophila (White eye locus) & Human (Haemophilia)
5	Unit 5: Extra-chromosomal Inheritance 2 Kappa particle in Paramoecium, Shell spiralling in snail
6	Unit 6: Genetic Fine Structure 2 Complementation test in Bacteriophage (Benzer's experiment on rII locus)
7	CC 12 P: Chi-square analyses for genetic ratio test
8	CC 12 P: Identification of chromosomal aberration in Drosophila and man from photograph

Mana Kabi

PRINCIPAL

ASUTOSH COLLEGE

92, S. P. MUKHERJEE ROAD

KOLKATA-700 026





TOPIC/SUBTOPIC: POSTGRADUATE	
1	ZCT 103: Cell death mechanisms 5.1 Autophagy 5.2 Apoptosis 5.3 Anoikis
2	ZCT 104: Somatic cell genetics. Cell fusion, Heterokaryon selection & hybridoma technology, Chromosome mapping
3	ZCP 105: Drosophila genetic crosses,
4	ZCP 105: Induction of mutation in Drosophila by P-M Mutagenesis
5	ZCP 105: Karyotyping
6	ZET 317: Zonations, Characteristics, Morphometry of fresh water resources; Stratification and dynamics of oxygen, nitrogen, phosphorus and inorganic carbon. Water quality for fish production; Coastal, marine, Mangrove ecosystem and fisheries potential
7	ZET 317: Freshwater, marine and coastal aquaculture: Advancements in technology for finfish and shellfish culture; Modern hatcheries and managements; raceways, cages, Pen, enclosures, recirculating systems, Intensive Fish Hub; Integrated Aquaculture, Processing and preservation technology of shrimps and fish.
8	ZET 317: Fish genetics and biotechnology: Principles of genetics, mechanism of inheritance, structure of gene, mutation and sex determination in fish; cryopreservation, polyploidy in fish, production of sex reversed fish, transgenic fish; selective breeding.
9	ZCT 311: Conservation at Genetic levels –Problems of Inbreeding and Genetic drift in small populations; Measuring Genetic Diversity of populations, Managing Genetic Diversity for conservation
10	ZCT 312: Physiological homeostasis: Positive and negative feedback, Controlled variable, Set point

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

TEACHING PLAN FOR SEMESTER 1 GENERAL

NAME OF FACULTY : TAPAN KUMAR ROY

PAPER : CC1

LECTURES ALLOTTED: 6

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1-2	Unit 1: Kingdom Protista General characters and classification up to classes (Levine et. al., 1980); Locomotory Organelles and locomotion in <i>Amoeba</i> and <i>Paramecium</i>
3-6	Unit 7: Phylum Arthropoda General characters and classification up to classes (Ruppert and Barnes, 1994, 6th Ed.); Eye in Cockroach, Metamorphosis in Lepidoptera.

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER 1

NAME OF FACULTY : TAPAN KUMAR ROY

PAPER : CC1

LECTURES ALLOTTED: 18

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1-4	Unit 1: Basics of Animal Classification Definitions: Classification, Systematics and Taxonomy; Taxonomic Hierarchy, Taxonomic types Codes of Zoological Nomenclature; Principle of priority; Synonymy and Homonymy; Concept of classification – three kingdom concept of Carl Woese, 1977 and five kingdom concept of Whittaker, 1969
5-8	Unit 2: Protista and Metazoa Protozoa General characteristics and Classification up to phylum (according to Levine <i>et. al.</i> , 1980) Conjugation in <i>Paramecium</i> .
9-18	Unit 4: Cnidaria General characteristics and Classification up to classes (Ruppert and Barnes, 1994, 6th Ed.), Metagenesis in <i>Obelia</i> ; Polymorphism in Cnidaria; Corals and coral reef diversity, Role of symbiotic algae in reef formation. Conservation of coral and coral reefs.
	Practical Study of whole mount of <i>Euglena</i> , <i>Amoeba</i> and <i>Paramecium</i>

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

NAME OF FACULTY : TAPAN KUMAR ROY

PAPER : CC-3

LECTURES ALLOTTED: 08

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1-8	Unit 1: Nerve and muscle Structure of a neuron, resting membrane potential, Origin of Action potential and its propagation in myelinated and non-myelinated nerve fibres, Ultra-structure of skeletal muscle, Molecular and chemical basis of muscle contraction
TOPIC/SUBTOPIC:	


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

TEACHING PLAN FOR SEMESTER 3 GENERAL

NAME OF FACULTY : TAPAN KUMAR ROY

PAPER : SEC APICULTURE

LECTURES ALLOTTED: 30

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1-2	Unit 1: Biology of Bees Classification and Biology of Honey Bees Social Organization of Bee Colony
3-16	Unit 2: Rearing of Bees Artificial Bee rearing; Apiary, Beehives - Newton and Langstroth, Bee Pasturage; Selection of Bee Species for Apiculture; Bee Keeping Equipment; Methods of Extraction of Honey; Indigenous and Modern
17-22	Unit 3: Diseases and Enemies Bee Diseases and Enemies Control and Preventive measures
23-24	Unit 4: Bee Economy Products of Apiculture Industry and its Uses ;Honey, Bees Wax, Propolis, Pollen etc
25-30	Unit 5: Entrepreneurship in Apiculture Bee Keeping Industry - Recent Efforts, Modern Methods in employing artificial Beehives for cross

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER 3

NAME OF FACULTY : TAPAN KUMAR ROY

PAPER : SEC SERICULTURE

LECTURES ALLOTTED: 30

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1-6	Unit 1: Introduction Sericulture: Definition, history and present status; Silk route Types of silkworms, Distribution and Races Exotic and indigenous races Mulberry and non-mulberry Sericulture
7-10	Unit 2: Biology of Silkworm Life cycle of <i>Bombyx mori</i> Structure of silk gland and secretion of silk
11-20	Unit 3: Rearing of Silkworms Selection of mulberry variety and establishment of mulberry garden Rearing house and rearing appliances. Disinfectants: Formalin, bleaching powder, RKO Silkworm rearing technology: Early age and Late age rearing Types of mountages Spinning, harvesting and storage of cocoons
21-27	Unit 4: Pests and Diseases Pests of silkworm: Uzi fly, dermestid beetles and vertebrates Pathogenesis of silkworm diseases: Protozoan, viral, fungal and bacterial Control and prevention of pests and diseases
28-30	Unit 5: Entrepreneurship in Sericulture Prospectus of Sericulture in India: Sericulture industry in different states, employment, potential in mulberry and non-mulberry sericulture, Visit to various sericulture centres.

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

NAME OF FACULTY : TAPAN KUMAR ROY

PAPER : CC5

LECTURES ALLOTTED: 18

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1-2	Unit 1: Introduction to Chordates General characteristics and outline classification of Phylum Chordata (Young, 1981)
3-9	Unit 2: Protochordata General characteristics and classification of sub-phylum Urochordata and Cephalochordata up to Classes (Young, 1981). Metamorphosis in <i>Ascidia</i> . Chordate Features, structure of pharynx and feeding in <i>Branchiostoma</i>
10-11	Unit 3: Agnatha General characteristics and classification of cyclostomes up to order (Young, 1981)
12-18	Unit 4: Pisces General characteristics and classification up to living sub classes (Young, 1981); Accessory respiratory organ, Migration in fishes; Parental care in fishes; Swim bladder in fishes.
	Practical: Dissection of brain and pituitary – <i>ex situ</i> , digestive and Urino-genital system of <i>Tilapia</i> Pecten from Fowl head

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER 3

NAME OF FACULTY : TAPAN KUMAR ROY

PAPER : CC7

LECTURES ALLOTTED:

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
	Practical:
	1. Qualitative tests for carbohydrates, proteins and lipids
	2. Qualitative estimation of Urea & Uric acid
	3. Quantitative estimation of water soluble proteins following Lowry Method

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

NAME OF FACULTY : TAPAN KUMAR ROY

PAPER : ZOOG-DSE-A-5-1-TH

LECTURES ALLOTTED: 10

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
1- 8	Unit 5: Insect of Economic Importance Biology, Control and Damage caused by <i>Helicoverpa armigera</i> , <i>Pyrilla perpusilla</i> , <i>Sitophilus oryzae</i> and <i>Tribolium castaneum</i> .
9-10	Unit 6: Insect of Medical Importance Medical Importance and control of <i>Anopheles</i>
	Practical Study of insect damage to different plant parts/stored grains through damaged products/photographs.
	Identifying feature and economic importance of <i>Helicoverpa</i> ; <i>Heliothis armigera</i> , <i>Papilio demoleus</i> , <i>Pyrilla perpusilla</i> , <i>Callosobruchus chinensis</i> , <i>Sitophilus oryzae</i> and <i>Tribolium castaneum</i>

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER 5

NAME OF FACULTY : TAPAN KUMAR ROY

PAPER : CC11

LECTURES ALLOTTED: 20

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
2- 20	Unit 2: Population: Unitary and Modular populations Unique and group attributes of population: Demographic factors, life tables, fecundity tables, survivorship curves, dispersal and dispersion. Geometric, exponential and logistic growth, equation and patterns, r and K strategies Population regulation - densitydependent and independent factors, Population Interactions, Gause's Principle with laboratory and field examples, Lotka-Volterra equation for competition.
	Practical Study of an aquatic ecosystem: Phytoplankton and zooplankton, Measurement of area, temperature, salinity, determination of pH, and Dissolved Oxygen content (Winkler's method), Chemical Oxygen Demand and free CO ₂

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-I

NAME OF FACULTY: Dr. A. R. Md. Mustafizur Rahaman

PAPER: ZOOA-CC1-1-TH

LECTURES ALLOTTED: 6 + 2 = 8

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
6	Unit 3: Porifera.
2	Unit 5: Ctenophora.
TOPIC/SUBTOPIC:	
Unit 3: Porifera.	General characteristics and Classification up to classes (Ruppert and Barnes, 1994, 6th Ed.); Canal system and spicules in sponges
Unit 5: Ctenophora.	Ctenophora, general characteristics

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-III

NAME OF FACULTY: Dr. A. R. Md. Mustafizur Rahaman

PAPER: ZOOA-CC3-6TH (Animal physiology)

LECTURES ALLOTTED: 7

ALLOTTED SYLLABUS: 16 + 4 = 20

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
4	Unit 1: Tissues
16	Unit 6: Endocrine System
TOPIC/SUBTOPIC:	
Unit 1: Tissues	Structure, location, classification and functions of epithelial tissue, connective tissue, muscular tissue and nervous tissue
Unit 6: Endocrine System	Histology and function of thyroid, pancreas and adrenal. Function of pituitary Classification of hormones; Mechanism of Hormone action; Signal transduction pathways for Steroidal and Non- steroidal hormones; Hypothalamus (neuroendocrine gland) - principal nuclei involved in neuroendocrine control of anterior pituitary; Placental hormones

Manab Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY

NAME OF FACULTY: Dr. A. R. M. Mustafizur Rahman

TEACHING PLAN FOR SEMESTER-III

PAPER: ZOOA-CC3-6-p (Animal physiology Practical)

LECTURES ALLOTTED: 50 (50hrs)

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
5	Practical 2
20	Practical 3
25	Practical 4
TOPIC/SUBTOPIC:	
2	Preparation of temporary mounts: Squamous epithelium, Striated muscle fibres and nerve cells
3	Study of permanent slides of Mammalian Skin, Spinal cord, Pancreas, Testis, Ovary, Adrenal, Lung, pyloric stomach, cardiac stomach, Thyroid, small intestine and large intestine of mammal (white rat)
4	Microtomy: Preparation of permanent slide of any five mammalian (Goat/white rat) tissues

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY

TEACHING PLAN FOR SEMESTER-III

NAME OF FACULTY: Dr. A. R. Md. Mustafizur Rahaman

PAPER: ZOOA-CC3-7-TH (Fundamentals of Biochemistry)

LECTURES ALLOTTED: 7 + 13 = 20

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
7	Unit-2: Lipids
13	Unit-5: Enzymes
TOPIC/SUBTOPIC:	
Unit-2: Lipids	Structure and Significance: Physiologically important saturated and unsaturated fatty acids, Triacylglycerols, Phospholipids, Sphingolipid, Glycolipids, Steroids, Eicosanoids and terpenoids. Lipid metabolism: β -oxidation of fatty acids - a. Palmitic acid {saturated (C 16:0)}, b. Linoleic acid {unsaturated (C 18:2)}; Fatty acid biosynthesis
Unit-5: Enzymes	Nomenclature and classification; Cofactors; Specificity of enzyme action; Isozymes; Mechanism of enzyme action; Enzyme kinetics; Derivation of Michaelis-Menten equation, Lineweaver-Burk plot; Factors affecting rate of enzyme-catalyzed reactions; Enzyme inhibition.

Manab Kabi





NAME OF FACULTY: Dr. A. R. Md. Mustafizur Rahaman

PAPER: ZOOA-CC7-3-P (Biochemistry Lab)

LECTURES ALLOTTED: 60 (60 hrs.)

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
30	Practical-1
10	Practical-2
10	Practical-4
TOPIC/SUBTOPIC:	
Practical-1	Qualitative tests for carbohydrates, proteins and lipids
Practical-2	Qualitative estimation of Urea & Uric acid
Practical-4	Quantitative estimation of water soluble proteins following Lowry Method

Manab Kabi





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-V

NAME OF FACULTY: Dr. A. R. Md. Mustafizur Rahaman

PAPER: ZOOA-DSE(B)-5-1-TH (Endocrinology).

LECTURES ALLOTTED: 6 + 12 + 12 + 12 + 8 = 50

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
6	Unit-1
12	Unit-2
12	Unit-3
12	Unit-4
8	Unit-5
TOPIC/SUBTOPIC:	
Unit-1	General idea of Endocrine systems, Classification, Characteristic and Transport of Hormones, Neuro-secretions and Neuro-hormones: Examples and Functions
Unit-2	Structure and functions of hypothalamus and Hypothalamic nuclei, Regulation of neuroendocrine glands, Feedback mechanisms, Hypothalamo-Hypophyseal-Gonadal Axis. Structure of pituitary gland, Hormones and their functions, Hypothalamo-hypophyseal portal system
Unit-3	Structure, Hormones and Functions of Thyroid gland, Parathyroid, Adrenal, Pancreas, Ovary and Testis. Disorders of endocrine glands (<i>Diabetes mellitus</i> type I & Type II; Graves' Disease).
Unit-4	Mechanism of action of steroidal, non-steroidal hormones with receptors (cAMP, IP3-DAG), Calcium and Glucose homeostasis in mammals. Bioassays of hormones using RIA & ELISA, Estrous cycle in rat and menstrual cycle in human.
Unit-5	Functions of Prolactin in Fishes, Amphibia & Birds Function of Melanotropin in Teleost fishes, Amphibians and Reptiles.

Manab Kabi





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-V

NAME OF FACULTY: Dr. A. R. Md. Mustafizur Rahaman

PAPER: ZOOA-DSE(B)-5-1-P (Endocrinology Lab)

LECTURES ALLOTTED: 60 (60 hrs.)

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
15	Practical-1
15	Practical-2
15	Practical-3
15	Practical-4
TOPIC/SUBTOPIC:	
Practical-1	Dissect and display of Endocrine glands in laboratory bred rat.
Practical-2	Study of the permanent slides of all the endocrine glands
Practical-3	Tissue fixation, embedding in paraffin, microtomy and slide preparation of any endocrine gland.
Practical-4	H-E staining of Histological slides.

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





NAME OF FACULTY: Dr. Kunal Sinha

TEACHING PLAN FOR SEMESTER 6 (Honours)

PAPER: DSE6-B2

LECTURES ALLOTTED: 56

TOPIC NAME	MONTH	NUMBER OF CLASSES
Transmission Lines	February	12
Guided Waves and Waveguide	March	10
Antenna	March	10
Antenna as Transmitter/Receiver	April	4
Types of Antenna	April	4
Propagation of Radio waves	April	6
Microwave Devices	May	10

NAME OF FACULTY: Sourav Kumar Bhowmick

TEACHING PLAN FOR SEMESTER 6 (Honours)

PAPER: CC 14

LECTURES ALLOTTED: 56

TOPIC NAME	MONTH	NUMBER OF CLASSES
Light as Electromagnetic wave	February	6
Interference	March	8
Diffraction	March	8
Polarization	April	6
LED, LASER, Photo Diode	April	10
LCD	April	6
Wave guide and optical Fibre	May	12


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





NAME OF FACULTY: Arnab Samadder

TEACHING PLAN FOR SEMESTER 6 (Honours)

PAPER: DSE6-A2

LECTURES ALLOTTED: 56

TOPIC NAME	MONTH	NUMBER OF CLASSES
Discrete Time System	February	12
Network Synthesis	March	6
Network Synthesis	April	6
Discrete Fourier Transform	April	8
Discrete Fourier Transform	May	8
Digital Filter	May	16

NAME OF FACULTY: Madhurima Chatterjee

TEACHING PLAN FOR SEMESTER 6 (Honours)

PAPER: CC-13

LECTURES ALLOTTED: 56

TOPIC NAME	MONTH	NUMBER OF CLASSES
Electronic Communication	February	14
Amplitude Modulation	March	14
Angle Modulation	March	10
Pulse Analog Modulation	April	5
Pulse code Modulation	April	5
Digital Carrier Modulation Techniques	May	8


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ELECTRONICS

NAME OF FACULTY: Dr. Kunal Sinha

TEACHING PLAN FOR SEMESTER 4 (Honours)

PAPER: CC-9

LECTURES ALLOTTED: 42

TOPIC NAME	MONTH	NUMBER OF CLASSES
Number System and Code	February	8
Logic Gates and Boolean Algebra	March	4
Digital Logic Families	March	2
Combinational Logic Analysis and Design	March-April	14
Sequential Logic Design	April	8
Programmable Logic Devices	May	3
Memory	May	3

NAME OF FACULTY: Dr. Sourav kumar Bhowmick

TEACHING PLAN FOR SEMESTER 4 (Honours)

PAPER: SEC B2

LECTURES ALLOTTED: 54

TOPIC NAME	MONTH	NUMBER OF CLASSES
Matlab Basics	February	8
Matrices and Vectors	March	8
Computer Programming	March	16
Matlab Programming	March-April	14
Numerical Simulations	April	8


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





NAME OF FACULTY: Dr. Rabia Sultana

TEACHING PLAN FOR SEMESTER 4 (Honours)

PAPER: CC-10

LECTURES ALLOTTED: 26

TOPIC NAME	MONTH	NUMBER OF CLASSES
Signals, Types of signals	February	4
Signals in time, spatial & frequency domain	February	2
System and its properties	March	4
Impulse and unit step function	March	2
Linear Time Invariant System	April	2
Properties of LTI Systems	April	10
Block diagram Representation	May	2

NAME OF FACULTY: Arnab Samadder

TEACHING PLAN FOR SEMESTER 4 (Honours)

PAPER: CC-8

LECTURES ALLOTTED: 56

TOPIC NAME	MONTH	NUMBER OF CLASSES
Basic Operational Amplifier	February	6
OP-AMP Parameters	March	6
OP-AMP Circuits and Applications and Comparators	March	9
Signal Generators	April	9
Timer Circuits	April	6
Fixed and Variable IC Regulators	May	6
Signal Conditioning Circuits	May	14


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/2486-3912
Fax : (033)2486-3006
Mail : mail@asutoshcollege.in
Web : www.asutoshcollege.in

PAPER: CC-10
LECTURES ALLOTTED: 30

TOPIC NAME	MONTH	NUMBER OF CLASSES
Fourier Series	February	4
Fourier Series	March	4
Fourier Transform	March	8
Z-transform	April	7
Z-transform	May	7


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ELECTRONICS

NAME OF FACULTY: Dr. Kunal Sinha

TEACHING PLAN FOR SEMESTER 2 (Honours)

PAPER: CC-3

LECTURES ALLOTTED: 16

TOPIC NAME	MONTH	NUMBER OF CLASSES
Compton Effect, Photo Voltaic Effect	March	3
Plank's law, Wave particle duality	April	3
Heisenberg Uncertainty Principal, Eigen state, value, function	April	3
Schrodinger Equation	May	3
Tunnel Effect, Potential Box	May	2
K-P Model and E-K diagram	June	2

NAME OF FACULTY: Dr. Rabia Sultana

TEACHING PLAN FOR SEMESTER 2 (Honours)

PAPER: CC-3

LECTURES ALLOTTED: 30

TOPIC NAME	MONTH	NUMBER OF CLASSES
Physics of crystalline solids	March - April	8
Mechanical properties of materials	April	2
Thermal properties	May	8
Electric properties	May	6
Electric properties	June	3
Magnetic properties	June	3


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





NAME OF FACULTY: Arnab Samadder

TEACHING PLAN FOR SEMESTER 2 (Honours)

PAPER: CC-3

LECTURES ALLOTTED: 10

TOPIC NAME	MONTH	NUMBER OF CLASSES
Statistical Mechanics	February	5
Statistical Mechanics	March	5

NAME OF FACULTY: Ms. Madhurima Chatterjee

TEACHING PLAN FOR SEMESTER 2 (Honours)

PAPER: CC-4

LECTURES ALLOTTED: 56

TOPIC NAME	MONTH	NUMBER OF CLASSES
C Programming Language	March - April	12
Decision Making, Branching and Looping	April	5
Structures	April	6
Introduction to C++	April	5
Data Structure	May	14
Searching and Sorting	June	14


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF HISTORY
TEACHING PLAN FOR SEMESTER 6 (Honours)

NAME OF FACULTY: TAPTI DE

PAPER: DSE A 3

LECTURES ALLOTTED: 4 CLASSES PER WEEK

ALLOTTED SYLLABUS: WHOLE PAPER

TOPIC NAME	MONTH	NUMBER OF CLASSES
SWADESHI MOVEMENT : MOTIVES BEHIND PARTITION OF BENGAL -1905	FEBRUARY	4 (18/2—2 CLASSES, 21/2—2 CLASSES)
MAJOR TRENDS IN SWADESHI MOVEMENT	FEBRUARY—MARCH	4 (25/2—2 CLASSES, 28/2—2 CLASSES)
NATIONAL REVOLUTIONARY MOVEMENT IN BENGAL	MARCH	4 CLASSES (4/3—2 CLASSES, 11/3—2 CLASSES)
NON- COOPERATION MOVEMENT: IMPACT ON BENGAL	MARCH	4 CLASSES (14/3—2 CLASSES; 18/3—2 CLASSES)
RISE OF LEFT MOVEMENT IN BENGAL (1920'S)	MARCH	2 CLASSES (21/3—2 CLASSES)
SWARAJYA PARTY	APRIL	2 CLASSES (25/3—2 CLASSES)
CIVIL DISOBEDIENCE MOVEMENT	MARCH—APRIL	4 CLASSES (28/3—2 CLASSES, 1/4—2 CLASSES)
RISE AND GROWTH OF 'KRISHAK PRAJA PARTY'	APRIL	2 CLASSES (4/4—2 CLASSES)
MUSLIM LEAGUE IN BENGAL POLITICS	APRIL	4 CLASSES (8/4—2 CLASSES, 11/4—2 CLASSES)
GOVT. OF INDIA ACT-1935- AFTERMATH	APRIL	2 CLASSES (18/4—2 CLASSES)
WOMEN'S MOVEMENT IN BENGAL-FIRST HALF OF THE 20TH CENTURY	APRIL	4 CLASSES (25/4—2 CLASSES, 29/4—2 CLASSES)
LABOUR MOVEMENT IN BENGAL -1920-46	MAY	1 CLASS (2/5—1 CLASS)
TEBHAGA MOVEMENT-1946	MAY	3 CLASSES (2/5—1 CLASS, 6/5— 2 CLASSES)
NETAJI SUBHASH BOSE AND THE CONGRESS	MAY—JUNE	4 CALSSES (13/5—2 CLASSES, 6/6—2 CLASSES)
QUIT INDIA MOVEMENT IN BENGAL -TAMRALIPTA JATIYA SARKAR	JUNE	2 CLASSES (9/6—2 CLASSES)

Manab Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



NAMASUDRA MOVEMENT IN BENGAL	JUNE	2 CLASSES (12/6—2 CLASSES)
RESPONSIBILITY OF MUSLIM LEAGUE AND CONGRESS FOR THE PARTITION-1947	JUNE	4 CLASSES (13/6—2 CLASSES, 14/6—2 CLASSES)
NOAKHALI RIOT	JUNE	2 CLASSES (15/6—2 CLASSES)
INDIAN INDEPENDENCE ACT-1947- DECISIONS ABOUT BOUNDARIES OF BENGAL	JUNE	2 CLASSES (16/6—2 CLASSES)

TEACHING PLAN FOR SEMESTER 6 (Honours)


NAME OF FACULTY: TANIYA ROY

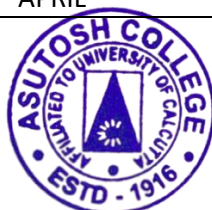
PAPER: DSE B 3—HISTORY OF MODERN EAST ASIA—II—JAPAN (C. 1868—1945)

LECTURES ALLOTTED: 6 CLASSES PER WEEK

ALLOTTED SYLLABUS: WHOLE PAPER

TOPIC NAME	MONTH	NUMBER OF CLASSES
TRANSITION FROM FEUDALISM TO CAPITALISM	FEBRUARY	4 CLASSES (16/2—2 CLASSES, 17/2—2 CLASSES)
CRISIS OF TOKUGAWA BAKUHAN SYSTEM	FEBRUARY	4 CLASSES (18/2—2 CLASSES, 23/2—2 CLASSES)
MEIJI RESTORATION: NATURE AND SIGNIFICANCE	FEBRUARY	4 CLASSES (24/2—2 CLASSES, 25/2—2 CLASSES)
POLITICAL REORGANIZATION	MARCH	2 CLASSES (2/3—2 CLASSES)
MILITARY REFORMS	MARCH	2 CLASSES (3/3—2 CLASSES)
SOCIAL, CULTURAL AND EDUCATIONAL REFORMS	MARCH	4 CLASSES (4/3—2 CLASSES, 9/3—2 CLASSES)
FINANCIAL REFORMS AND EDUCATIONAL DEVELOPMENT IN THE MEIJI ERA	MARCH	4 CLASSES (10/3—2 CLASSES, 11/3—2 CLASSES)
MEIJI CONSTITUTION	MARCH	2 CLASSES (16/3—2 CLASSES)
JAPANESE IMPERIALISM: CHINA, MANCHURIA, KOREA	MARCH	6 CLASSES (16/3—2 CLASSES, 17/3—2 CLASSES, 18/3—2 CLASSES)
DEMOCRACY AND MILITARISM/FASCISM: POPULAR PEOPLE'S RIGHTS MOVEMENTS	MARCH	4 CLASSES (23/3—2 CLASSES, 24/3—2 CLASSES)
NATURE OF POLITICAL PARTIES	MARCH	4 CLASSES (25/3—2 CLASSES, 29/3—2 CLASSES)
RISE OF MILITARISM: NATURE AND SIGNIFICANCE	MARCH	4 CLASSES (30/3—2 CLASSES, 31/3—2 CLASSES)
SECOND WORLD WAR	APRIL	4 CLASSES (1/4—2 CLASSES,


 PRINCIPAL
 ASUTOSH COLLEGE
 92, S. P. MUKHERJEE ROAD
 KOLKATA-700 026



		6/4—2 CLASSES)
AMERICAN OCCUPATION	APRIL	4 CLASSES (8/4—2 CLASSES, 13/4—2 CLASSES)
POST-WAR CHANGES	APRIL	6 CLASSES (20/4—2 CLASSES, 27/4—2 CLASSES, 28/4—2 CLASSES)
DISCUSSION OF UNIVERSITY QUESTIONS, DOUBT CLEARING	APRIL—MAY	4 CLASSES (29/4—2 CLASSES, 4/4—2 CLASSES)

TEACHING PLAN FOR SEMESTER 6 (Honours)

NAME OF FACULTY: AMINUDDIN SEIKH

PAPER: CC 13—HISTORY OF INDIA (C.1857—1964)

LECTURES ALLOTTED: 3 CLASSES PER WEEK

ALLOTTED SYLLABUS: MODULES I—III

TOPIC NAME	MONTH	NUMBER OF CLASSES
CULTURAL CHANGES AND SOCIO-RELIGIOUS REFORM MOVEMENTS: GROWTH OF A NEW INTELLIGENTSIA—THE PRESS AND PUBLIC OPINION	FEBRUARY	4 CLASSES (15/2—2 CLASSES, 21/2—1 CLASS, 22/2—1 CLASS)
REFORM AND REVIVAL: BRAHMO SAMAJ, PRARTHANA SAMAJ	FEBRUARY—MARCH	4 CLASSES (22/2—1 CLASS, 28/2—1 CLASS, 1/3—2 CLASSES)
REFORM AND REVIVAL: RAMAKRISHNA, VIVEKANANDA, ARYA SAMAJ	MARCH	6 CLASSES (8/3—2 CLASSES, 14/3—1 CLASS, 15/3—2 CLASSES, 21/3—1 CLASS)
REFORM AND REVIVAL: WAHABI, DEOBAND, ALIGARH, SINGH SABHA	MARCH—APRIL	6 CLASSES (22/3—2 CLASSES, 28/3—1 CLASS, 29/3—2 CLASSES, 4/4—1 CLASS)
DEBATES AROUND GENDER	APRIL	3 CLASSES (5/4—2 CLASSES, 11/4—1 CLASS)
MAKING OF RELIGIOUS AND LINGUISTIC IDENTITIES: CASTE, SANSKRITISATION AND ANTI-BRAHMANICAL TRENDS	APRIL	5 CLASSES (12/4—2 CLASSES, 18/4—1 CLASS, 19/4—2 CLASSES)
NATIONALISM: TRENDS UPTO 1919	APRIL—MAY	5 CLASSES (25/4—1 CLASS, 26/4—2 CLASSES, 2/5—1 CLASS)
FORMATION OF EARLY POLITICAL ORGANISATIONS	MAY	4 CLASSES (3/5—2 CLASSES, 10/5—2 CLASSES)
MODERATES AND EXTREMISTS	JUNE	4 CLASSES (6/6—2 CLASSES, 7/6—2 CLASSES)

Manan Kabir
 PRINCIPAL
 ASUTOSH COLLEGE
 92, S. P. MUKHERJEE ROAD
 KOLKATA-700 026



SWADESHI MOVEMENT	JUNE	4 CLASSES (8/6—2 CLASSES, 9/6—2 CLASSES)
REVOLUTIONARIES	JUNE	2 CLASSES (12/6—2 CLASSES)
GANDHIAN NATIONALISM AFTER 1919: IDEAS AND MOVEMENTS	JUNE	4 CLASSES (13/6—2 CLASSES, 14/6—2 CLASSES)
MAHATMA GANDHI: HIS PERSPECTIVES AND METHODS	JUNE	4 CLASSES (15/6—2 CLASSES, 16/6—2 CLASSES)
IMPACT OF THE FIRST WORLD WAR	JUNE	2 CLASSES (19/6—2 CLASSES)
ROWLATT SATYAGRAHA AND JALLIANWALA BAGH	JUNE	2 CLASSES (20/6—2 CLASSES)
NON-COOPERATION AND CIVIL DISOBEDIENCE	JUNE	4 CLASSES (21/6—2 CLASSES, 22/6—2 CLASSES)
PROVINCIAL AUTONOMY, QUIT INDIA	JUNE	4 CLASSES (23/6—2 CLASSES, 26/6—2 CLASSES)
INA	JUNE	2 CLASSES (27/6—2 CLASSES)
LEFT-WING MOVEMENTS	JUNE	2 CLASSES (28/6—2 CLASSES)
PRINCELY INDIA: STATE PEOPLE MOVEMENTS	JUNE	2 CLASSES (30/6—2 CLASSES)

TEACHING PLAN FOR SEMESTER 6 (Honours)


NAME OF FACULTY: SEBANTI BANDYOPADHYAY

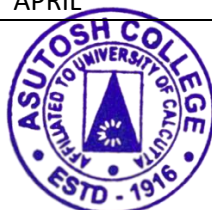
PAPER: CC 13—HISTORY OF INDIA (C.1857—1964)

LECTURES ALLOTTED: 4 CLASSES PER WEEK

ALLOTTED SYLLABUS: MODULES IV—VII

TOPIC NAME	MONTH	NUMBER OF CLASSES
NATIONALISM AND SOCIAL GROUPS: INTERFACES	FEBRUARY	4 CLASSES (17/2—2 CLASSES, 21/2—2 CLASSES)
LANDLORDS, PROFESSIONALS AND MIDDLE CLASSES	FEBRUARY	4 CLASSES (24/2—2 CLASSES, 28/2—2 CLASSES)
PEASANTS	MARCH	4 CLASSES (3/3—2 CLASSES, 10/3—2 CLASSES)
TRIBALS	MARCH	4 CLASSES (14/3—2 CLASSES, 17/3—2 CLASSES)
LABOURS	MARCH	4 CLASSES (21/3—2 CLASSES, 24/3—2 CLASSES)
DALITS	MARCH	4 CLASSES (28/3—2 CLASSES, 31/3—2 CLASSES)
WOMEN; BUSINESS GROUPS	APRIL	4 CLASSES (4/4—2 CLASSES,


 PRINCIPAL
 ASUTOSH COLLEGE
 92, S. P. MUKHERJEE ROAD
 KOLKATA-700 026



		11/4—2 CLASSES)
COMMUNALISM: IDEOLOGIES AND PRACTICES	APRIL	4 CLASSES (18/4—2 CLASSES, 21/4—2 CLASSES)
RSS, HINDU MAHASABHA AND MUSLIM LEAGUE	APRIL	4 CLASSES (25/4—2 CLASSES, 28/4—2 CLASSES)
INDEPENDENCE AND PARTITION	MAY	4 CLASSES (2/5—2 CLASSES, 12/5—2 CLASSES)
NEGOTIATIONS FOR INDEPENDENCE AND PARTITION	JUNE	4 CLASSES (5/6—2 CLASSES, 7/6—2 CLASSES)
POPULAR MOVEMENTS	JUNE	4 CLASSES (8/6—2 CLASSES, 9/6—2 CLASSES)
PARTITION RIOTS	JUNE	2 CLASSES (12/6—2 CLASSES)
EMERGENCE OF A NEW STATE	JUNE	2 CLASSES (13/6—2 CLASSES)
MAKING OF THE CONSTITUTION	JUNE	4 CLASSES (15/6—2 CLASSES, 16/6—2 CLASSES)
INTEGRATION OF PRINCELY STATES	JUNE	2 CLASSES (19/6—2 CLASSES)
LANDREFORM AND THE BEGINNING OF PLANNING	JUNE	2 CLASSES (20/6—2 CLASSES)
THE NEHRU YEARS	JUNE	4 CLASSES (22/6—2 CLASSES, 23/6—2 CLASSES)

TEACHING PLAN FOR SEMESTER 6 (Honours)

NAME OF FACULTY: SUBHASRI GHOSH

PAPER: CC 14—HISTORY OF WORLD POLITICS (1945—1991)

LECTURES ALLOTTED: 6 CLASSES PER WEEK


ALLOTTED SYLLABUS: MODULES I—VIII

TOPIC NAME	MONTH	NUMBER OF CLASSES
THE COLD WAR: WEAKENING OF EUROPEAN BALANCE OF POWER	FEBRUARY	4 CLASSES (13/2—2 CLASSES, 17/2—2 CLASSES)
ORIGINS OF THE COLD WAR	FEBRUARY	6 CLASSES (20/2—2 CLASSES, 21/2—2 CLASSES, 24/2—2 CLASSES)
YALTA AND POTSDAM CONFERENCES	FEBRUARY	4 CLASSES (27/2—2 CLASSES, 28/2—2 CLASSES)
END OF WAR TIME ALLIANCE	MARCH	4 CLASSES (3/3—2 CLASSES, 6/3—2 CLASSES)
THE USA IN WORLD POLITICS: TRUMAN DOCTRINE, MARSHALL PLAN, NATO	MARCH	4 CLASSES (10/3—2 CLASSES, 13/3—2 CLASSES)
THE USSR IN WORLD POLITICS	MARCH	4 CLASSES (14/3—2 CLASSES,

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



		17/3—2 CLASSES)
MOLOTOV PLAN, COMECON AND COMINFORM	MARCH	2 CLASSES (20/3—2 CLASSES)
SOVIETISATION OF EASTERN EUROPE	MARCH	4 CLASSES (21/3—2 CLASSES, 24/3—2 CLASSES)
BERLIN BLOCKADE	MARCH	2 CLASSES (27/3—2 CLASSES)
WARSAW PACT	MARCH	2 CLASSES (28/3—2 CLASSES)
MANIFESTATION OF COLD WAR	MARCH	2 CLASSES (31/3—2 CLASSES)
THE KOREAN CRISIS	APRIL	4 CLASSES (3/4—2 CLASSES, 4/4—2 CLASSES)
END OF FRENCH COLONIAL RULE IN INDO-CHINA AND THE VIETNAM WAR	APRIL	4 CLASSES (10/4—2 CLASSES, 11/4—2 CLASSES)
CUBAN CRISIS	APRIL	2 CLASSES (17/4—2 CLASSES)
DE-STALINISATION	APRIL	4 CLASSES (18/4—2 CLASSES, 24/4—2 CLASSES)
THAW IN COLD WAR	APRIL	2 CLASSES (25/4—2 CLASSES)
DÉTENTE AND THE ROAD TO THE END OF COLD WAR	MAY	4 CLASSES (8/5—2 CLASSES, 12/5—2 CLASSES)
DISINTEGRATION AND DECLINE OF SOVIET UNION	JUNE	4 CLASSES (6/6—2 CLASSES, 7/6—2 CLASSES)
GLASNOST. PERESTROIKA	JUNE	2 CLASSES (8/6—2 CLASSES)
CRISIS OF SOCIALIST REGIMES IN OTHER EAST EUROPEAN COUNTRIES— POLAND, GERMANY, CZECHOSLOVAKIA, HUNGARY	JUNE	4 CLASSES (8/6—2 CLASSES, 9/6—2 CLASSES)
RESPONSE OF USA	JUNE	2 CLASSES (12/6—2 CLASSES)
RISE OF A UNIPOLAR WORLD SYSTEM	JUNE	2 CLASSES (13/6—2 CLASSES)
GLOBALIZATION	JUNE	2 CLASSES (15/6—2 CLASSES)
EMERGENCE OF PEOPLE'S REPUBLIC OF CHINA	JUNE	2 CLASSES (16/6—2 CLASSES)
CHINA AND THE USA	JUNE	2 CLASSES (19/6—2 CLASSES)
SINO-SOVIET RIFT	JUNE	2 CLASSES (20/6—2 CLASSES)
WEST ASIAN CRISIS— PALESTINE AND WESTERN POWERS BIRTH OF ISRAEL ARAB-ISRAEL CONFLICT SUEZ CRISIS ORIGIN AND FORMATION OF PLO, YOM KIPPUR WAR CAMP DAVID ACCORD OSLO PEACE ACCORD	JUNE	6 CLASSES (22/6—2 CLASSES, 23/6—2 CLASSES, 26/6—2 CLASSES)


 PRINCIPAL
 ASUTOSH COLLEGE
 92, S. P. MUKHERJEE ROAD
 KOLKATA-700 026



TEACHING PLAN FOR SEMESTER 6 (Honours)

NAME OF FACULTY: AMINUDDIN SEIKH

PAPER: CC 14— HISTORY OF WORLD POLITICS (1945—1991)

LECTURES ALLOTTED: 2 CLASSES PER WEEK

ALLOTTED SYLLABUS: MODULES IX—X

TOPIC NAME	MONTH	NUMBER OF CLASSES
DECOLONIZATION THE AFRICAL CASE-STUDY: GHANA, ALGERIA, CONGO, KENYA	FEBRUARY—MARCH	6 CLASSES (16/2—2 CLASSES, 23/2—2 CLASSES, 2/3—2 CLASSES)
PROTEST POLITICS: CIVIL RIGHTS MOVEMENT, ANTI- APARTHEID AND THE END OF APARTHEID	MARCH	6 CLASSES (9/3—2 CLASSES, 16/3—2 CLASSES, 23/3—2 CLASSES)
SECOND WAVE FEMINIST MOVEMENT	MARCH—APRIL	4 CLASSES (30/3—2 CLASSES, 6/4—2 CLASSES)


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



TEACHING PLAN FOR SEMESTER 4 (Honours)

NAME OF THE FACULTY: TAPTI DE

PAPER: CC 8—HISTORY OF INDIA (C. 1526—1605)

LECTURES ALLOTTED: 4 CLASSES PER WEEK

ALLOTTED SYLLABUS: MODULES IA, IB, IVA, IV B, IV C

TOPIC NAME	MONTH	NUMBER OF CLASSES
PRINTING REVOLUTION: DEFINITION SIGNIFICANCE; IMPACT ON EUROPEAN SOCIETY AND CULTURE	FEBRUARY—MARCH	6 CLASSES (24/2—2 CLASSES, 27/2—2 CLASSES, 3/3—2 CLASSES)
MILITARY REVOLUTION: CHARACTERISTICS NEW TECHNIQUES IN WARFARE PROLETARIANIZATION AND ROYALIZATION OF WARFARE	MARCH	6 CLASSES (6/3—2 CLASSES, 10/3—2 CLASSES, 13/3—2 CLASSES)
SCIENTIFIC REVOLUTION : SOCIETY AND ACADEMIES IN THE 17TH CENTURY	MARCH	4 CLASSES (17/3—2 CLASSES, 20/3—2 CLASSES)
ASPECTS OF ENLIGHTENED DESPOTISM	MARCH	6 CLASSES (24/3—2 CLASSES, 27/3—2 CLASSES, 31/3—2 CLASSES)

TEACHING PLAN FOR SEMESTER 4 (Honours)


NAME OF THE FACULTY: SEBANTI BANDYOPADHYAY

PAPER: CC 8—HISTORY OF INDIA (C. 1526—1605)

LECTURES ALLOTTED: 3 CLASSES PER WEEK

ALLOTTED SYLLABUS: MODULES II A, II B, III A, III B, V A, V B, VI A, VI B, VI C

TOPIC NAME	MONTH	NUMBER OF CLASSES
CRISIS IN EUROPE: ECONOMIC, POLITICAL AND SOCIAL SIGNIFICANCE	FEBRUARY	3 CLASSES (24/2—1 CLASS, 25/2—2 CLASSES)
THE ENGLISH REVOLUTION: MAJOR ISSUES	MARCH	3 CLASSES (3/3—1 CLASS, 4/3— 2 CLASSES)
POLITICAL AND INTELLECTUAL ISSUES OF THE ENGLISH	MARCH	3 CLASSES (10/3—1 CLASS, 11/3—2 CLASSES)


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



REVOLUTION		
MERCANTALISM AND EUROPEAN ECONOMIES	MARCH	3 CLASSES (17/3—1 CLASS, 18/3—2 CLASSES)
PRELUDE TO INDUSTRIAL SOCIETIES	MARCH	2 CLASSES (24/3—1 CLASS, 25/3—1 CLASS)
EUROPEAN POLITICS IN THE 17TH AND 18TH CENTURIES	MARCH—APRIL	4 CLASSES (25/3—1 CLASS, 31/3—1 CLASS, 1 APRIL—2 CLASSES)
PARLIAMENTARY MONARCHY	APRIL	2 CLASSES (8/4—2 CLASSES)
PATTERNS OF ABSOLUTISM IN EUROPE	APRIL	3 CLASSES (28.4—1 CLASS, 29/4—2 CLASSES)

TEACHING PLAN FOR SEMESTER 4 (Honours)

NAME OF THE FACULTY: AMINUDDIN SEIKH
 PAPER: CC 9—HISTORY OF INDIA (C.1526—1605)
 LECTURES ALLOTTED: 2 CLASSES PER WEEK
 ALLOTTED SYLLABUS: MODULES I, II, III

TOPIC NAME	MONTH	NUMBER OF CLASSES
SOURCES AND HISTORIOGRAPHY PERSIAN LITERARY CULTURE AND TRANSLATIONS VERNACULAR LITERARY TRADITIONS MODERN INTERPRETATIONS	FEBRUARY—MARCH	6 CLASSES (22/2—2 CLASSES, 1/3—2 CLASSES, 8/3—2 CLASSES)
ESTABLISHMENT OF MUGHAL RULE: INDIA ON THE EVE OF BABUR'S INVASION	MARCH	2 CLASSES (15/3—2 CLASSES)
FIREARMS, MILITARY TECHNOLOGY AND WARFARE	MARCH	4 CLASSES (22/3—2 CLASSES, 29/3—2 CLASSES)
HUMAYUN'S STRUGGLE FOR EMPIRE	APRIL	2 CLASSES (5/4—2 CLASSES)
SHER SHAH AND HIS ADMINISTRATIVE REFORMS	APRIL	4 CLASSES (12/4—2 CLASSES, 19/4—2 CLASSES)
CONSOLIDATION OF MUGHAL RULE UNDER AKBAR CAMPAIGNS AND CONQUESTS TACTICS AND TECHNOLOGY	APRIL—MAY	4 CLASSES (26/4—2 CLASSES, 3/5—2 CLASSES)
EVOLUTION OF ADMINISTRATIVE INSTITUTIONS: ZABTI MANSABDARI, JAGIRDARI, MADAD-I-MASH	MAY—JULY	4 CLASSES (10/5—2 CLASSES, 5/7—2 CLASSES)

Manan Kabir
 PRINCIPAL
 ASUTOSH COLLEGE
 92, S. P. MUKHERJEE ROAD
 KOLKATA-700 026



REVOLTS AND RESISTANCE	JULY	4 CLASSES (12/7—2 CLASSES, 19/7—2 CLASSES)
-------------------------------	-------------	---

TEACHING PLAN FOR SEMESTER 4 (Honours)

NAME OF THE FACULTY: TANIYA ROY
 PAPER: CC 9—HISTORY OF INDIA (C.1526—1605)
 LECTURES ALLOTTED: 2 CLASSES PER WEEK
 ALLOTTED SYLLABUS: MODULES IV, V, VI

TOPIC NAME	MONTH	NUMBER OF CLASSES
EXPANSION AND INTEGRATION INCORPORATION OF RAJPUT AND OTHER INDIGENOUS GROUPS IN MUGHAL NOBILITY NORTH-WEST FRONTIER, GUJARAT, DECCAN CONQUEST OF BENGAL	FEBRUARY—MARCH	6 CLASSES (22/2—2 CLASSES, 29/2—2 CLASSES, 1/3—2 CLASSES)
RURAL SOCIETY AND ECONOMY LAND RIGHTS AND REVENUE SYSTEM ZAMINDARS AND PEASANTS RURAL TENSIONS EXTENSION OF AGRICULTURE, AGRICULTURAL PRODUCTION, CROP PATTERNS	MARCH	6 CLASSES (8/3—2 CLASSES, 15/3—2 CLASSES, 22/3—2 CLASSES)
TRADE ROUTE AND PATTERNS OF INTERNAL COMMERCE, OVERSEAS TRADE	MARCH—APRIL	4 CLASSES (29/3—2 CLASSES, 5/4—2 CLASSES)
RISE OF SURAT	APRIL	2 CLASSES (5/4—2 CLASSES)
POLITICAL AND RELIGIOUS IDEALS: THEORY AND PRACTICE	APRIL	4 CLASSES (12/4—2 CLASSES, 19/4—2 CLASSES)
RELIGIOUS TOLERANCE AND SULH-I-KUL SUFI MYSTICAL AND INTELLECTUAL INTERVENTIONS	APRIL—MAY	4 CLASSES (26/4—2 CLASSES, 3/5—2 CLASSES)
PRESSURE FROM THE ULAMA	MAY	2 CLASSES (10/5—2 CLASSES)


Manan Kabi
 PRINCIPAL
 ASUTOSH COLLEGE
 92, S. P. MUKHERJEE ROAD
 KOLKATA-700 026



TEACHING PLAN FOR SEMESTER 4 (Honours)

NAME OF THE FACULTY: AMINUDDIN SEIKH
PAPER: CC 10—HISTORY OF INDIA (C.1605—1750s)
LECTURES ALLOTTED: 2 CLASSES PER WEEK
ALLOTTED SYLLABUS: MODULES I, II, III, V

TOPIC NAME	MONTH	NUMBER OF CLASSES
SOURCES: PERSIAN AND VERNACULAR LITERARY CULTURES, HISTORIES, MEMOIRS AND TRAVELOGUES	FEBRUARY—MARCH	4 CLASSES (23/2—2 CLASSES, 2/3—2 CLASSES)
POLITICAL CULTURE UNDER JAHANGIR AND SHAH JAHAN	MARCH	4 CLASSES (9/3—2 CLASSES, 16/3—2 CLASSES)
EXTENSION OF MUGHAL RULE	MARCH	4 CLASSES (23/3—2 CLASSES, 30/3—2 CLASSES)
CHANGES IN MANSAB AND JAGIR SYSTEMS	APRIL	4 CLASSES (6/4—2 CLASSES, 13/4—2 CLASSES)
IMPERIAL CULTURE	APRIL	4 CLASSES (20/4—2 CLASSES, 27/4—2 CLASSES)
ORTHODOXY AND SYNCRETISM: NAQSBANDI, MIYAN MIR DARA SHUKOH, SAMAD	MAY	4 CLASSES (4/5—2 CLASSES, 11/5—2 CLASSES)
MUGHAL EMPIRE UNDER AURANGZEB STATE AND RELIGION UNDER AURANGZEB: ISSUES IN THE WAR OF SUCCESSION POLICIES REGARDING RELIGIOUS GROUPS AND INSTITUTIONS CONQUESTS AND LIMITS OF EXPANSION	JUNE—JULY	6 CLASSES (22/6—2 CLASSES, 23/6—2 CLASSES, 6/7—2 CLASSES)
BEGINNING OF THE CRISIS CONTEMPORARY PERCEPTIONS AGRARIAN AND JAGIR CRISIS	JULY	4 CLASSES (6/7—2 CLASSES, 7/7—2 CLASSES)


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



PATTERNS OF REGIONAL POLITICS RAJPUT POLITICAL AND STATE FORMATION DECCAN KINGDOMS, EMERGENCE OF THE MARATHAS, SHIVAJI, EXPANSION UNDER THE PESHWAS	JULY	4 CLASSES (13/7—2 CLASSES, 14/7—2 CLASSES)
MUGHAL DECLINE AND EMERGENCE OF SUCCESSOR STATES	JULY	4 CLASSES (18/7—2 CLASSES, 20/7—2 CLASSES)
INTERPRETING EIGHTEENTH CENTURY INDIA: RECENT DEBATES	JULY	4 CLASSES (26/7—2 CLASSES, 27/7—2 CLASSES)

TEACHING PLAN FOR SEMESTER 4 (Honours)

NAME OF THE FACULTY: TANIYA ROY
 PAPER: CC 10—HISTORY OF INDIA (C.1605—1750s)
 LECTURES ALLOTTED: 2 CLASSES PER WEEK
 ALLOTTED SYLLABUS: MODULE VI

TOPIC NAME	MONTH	NUMBER OF CLASSES
TRADE AND COMMERCE	FEBRUARY	2 CLASSES (24/2—2 CLASSES)
CRAFTS AND TECHNOLOGIES; MONETARY SYSTEM	MARCH	2 CLASSES (2/3—2 CLASSES)
MARKETS, TRANSPORTATION, URBAN CENTRES	MARCH	4 CLASSES (9/3—2 CLASSES, 16/3—2 CLASSES)
INDIAN OCEAN TRADE NETWORKS	MARCH	4 CLASSES (23/3—2 CLASSES, 30/3—2 CLASSES)

TEACHING PLAN FOR SEMESTER 4 (Honours)

NAME OF THE FACULTY: SUBHASRI GHOSH
 PAPER: CC 10—HISTORY OF INDIA (C.1605—1750s)
 LECTURES ALLOTTED:
 ALLOTTED SYLLABUS: MODULE IV

Manan Kabi
 PRINCIPAL
 ASUTOSH COLLEGE
 92, S. P. MUKHERJEE ROAD
 KOLKATA-700 026



TOPIC NAME	MONTH	NUMBER OF CLASSES
VISUAL CULTURE	TAUGHT AS PART OF SEC PAPER	TAUGHT AS PART OF SEC PAPER
ARCHITECTURE		
PAINTING		

TEACHING PLAN FOR SEMESTER 4 (Honours)

NAME OF THE FACULTY: SUBHASRI GHOSH

PAPER: SEC B2—ART APPRECIATION: AN INTRODUCTION TO INDIAN ART

LECTURES ALLOTTED: 6 CLASSES PER WEEK

ALLOTTED SYLLABUS: WHOLE PAPER

TOPIC NAME	MONTH	NUMBER OF CLASSES
PREHISTORIC AND PROTOHISTORIC ART ROCK ART, HARAPPAN ARTS AND CRAFTS	FEBRUARY	4 CLASSES (27/2—2 CLASSES, 28/2—2 CLASSES)
INDIAN ART C.600 BCE—600 CE	MARCH	4 CLASSES (3/3—2 CLASSES, 6/3—2 CLASSES)
MAJOR DEVELOPMENTS IN STUPA, CAVE AND TEMPLE ART AND ARCHITECTURE	MARCH	4 CLASSES (10/3—2 CLASSES, 13/3—2 CLASSES)
EARLY INDIAN SCULPTURE: STYLE AND ICONOGRAPHY	MARCH	4 CLASSES (13/3—2 CLASSES, 14/3—2 CLASSES)
NUMISMATIC ART	MARCH	2 CLASSES (17/3—2 CLASSES)
INDIAN ART C.600 CE—1200 CE TEMPLE FORMS AND THEIR ARCHITECTURAL FEATURES EARLY ILLUSTRATED MANUSCRIPTS, MURAL PAINTING TRADITIONS EARLY MEDIEVAL SCULPTURE: STYLE AND ICONOGRAPHY INDIAN BRONZES AND METAL COINS	MARCH	6 CLASSES (20/3—2 CLASSES, 21/3—2 CLASSES, 24/3—2 CLASSES)

Manab Kabi
PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



INDIAN ART AND ARCHITECTURE (C.1200 CE—1800 CE) SULTANATE AND MUGHAL ARCHITECTURE MINIATURE PAINTING TRADITIONS: MUGHAL, RAJASTHANI, PAHARI	MARCH—APRIL	10 CLASSES (27/3—2 CLASSES, 28/3—2 CLASSES, 31/3—2 CLASSES, 3/4—2 CLASSES, 4/4—2 CLASSES)
INTRODUCTION TO FORT, PALACE AND HAVELI ARCHITECTURE	APRIL	6 CLASSES (10/4—2 CLASSES, 11/4—2 CLASSES, 17/4—2 CLASSES)
MODERN AND CONTEMPORARY INDIAN ART AND ARCHITECTURE COLONIAL PERIOD ART MOVEMENT: BENGAL SCHOOL OF ART PROGRESSIVE ARTISTS' GROUP: MAJOR ARTISTS AND THEIR ARTWORKS	APRIL—MAY	8 CLASSES (18/4—2 CLASSES, 24/4—2 CLASSES, 25/4—2 CLASSES, 8/5—2 CLASSES)
POPULAR ART FORMS (FOLK ART TRADITIONS)	MAY	4 CLASSES (11/5—2 CLASSES, 12/5—2 CLASSES)


 PRINCIPAL
 ASUTOSH COLLEGE
 92, S. P. MUKHERJEE ROAD
 KOLKATA-700 026



TEACHING PLAN FOR SEMESTER 2 (Honours)

NAME OF THE FACULTY: TAPTI DE

PAPER: CC 4—SOCIAL FORMATIONS AND CULTURAL PATTERNS OF THE MEDIEVAL WORLD OTHER THAN INDIA (GROUP—B)

LECTURES ALLOTTED: 4 CLASSES PER WEEK

ALLOTTED SYLLABUS: MODULES III, IV (RISE OF UNIVERSITIES), V

TOPIC NAME	MONTH	NUMBER OF CLASSES
CAUSES OF THE FALL OF THE ROMAN EMPIRE --DEBATES	MARCH	4 CLASSES (28/3—2 CLASSES, 30/3—2 CLASSES)
RISE OF UNIVERSITIES: DEBATES	APRIL	4 CLASSES (4/4—2 CLASSES, 6/4—2 CLASSES)
MEDIEVAL UNIVERSITIES: METHODS; CURRICULUM; FACILITIES FOR STUDENTS; UNIVERSITY EDUCATION: IMPACT	APRIL	4 CLASSES (11/4—2 CLASSES, 13/4—2 CLASSES)
FEUDALISM: ORIGIN---DEBATES FEATURES OF FEUDALISM; DECLINE OF FEUDALISM: DEBATES	APRIL	6 CLASSES (18/4—2 CLASSES, 20/4—2 CLASSES, 25/4—2 CLASSES)

TEACHING PLAN FOR SEMESTER 2 (Honours)

NAME OF THE FACULTY: SEBANTI BANDYOPADHYAY

PAPER: CC 4—SOCIAL FORMATIONS AND CULTURAL PATTERNS OF THE MEDIEVAL WORLD OTHER THAN INDIA (GROUP—B)

LECTURES ALLOTTED: 2 CLASSES PER WEEK

ALLOTTED SYLLABUS: REST OF MODULE IV

TOPIC NAME	MONTH	NUMBER OF CLASSES
SOCIETY, RELIGIOUS ORGANIZATIONS (CHURCH AND MONASTERY)	MARCH—APRIL	4 CLASSES (27/3—2 CLASSES, 3/4—2 CLASSES)
CAROLINGIAN RENAISSANCE	APRIL	4 CLASSES (10/4—2 CLASSES, 17/4—2 CLASSES)
12 TH CENTURY RENAISSANCE	APRIL—MAY	4 CLASSES (24/4—2 CLASSES, 8/5—2 CLASSES)
POSITION OF WOMEN IN MEDIEVAL EUROPE	MAY—JULY	4 CLASSES (15/5—2 CLASSES, 3/7—2 CLASSES)


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



WITCHCRAFT AND MAGIC	JULY	2 CLASSES (10/7—2 CLASSES)
URBANIZATION	JULY	4 CLASSES (17/7—2 CLASSES, 24/7—2 CLASSES)
MEDIEVAL ART AND ARCHITECTURE	AUGUST	4 CLASSES (7/8—2 CLASSES, 14/7—2 CLASSES)

NAME OF THE FACULTY: AMINUDDIN SEIKH
 PAPER: CC 4—SOCIAL FORMATIONS AND CULTURAL PATTERNS OF THE MEDIEVAL WORLD OTHER THAN INDIA (GROUP—C)
 LECTURES ALLOTTED: 4 CLASSES PER WEEK
 ALLOTTED SYLLABUS: MODULE VI

TOPIC NAME	MONTH	NUMBER OF CLASSES
JUDAISM AND CHRISTIANITY UNDER ISLAM	MARCH—JULY	20 CLASSES (31/3—2 CLASSES 1/4—2 CLASSES, 8/4—2 CLASSES, 28/4—2 CLASSES, 29/4—2 CLASSES, 6/5—2 CLASSES, 12/5—2 CLASSES, 13/5—2 CLASSES, 7/7—2 CLASSES, 8/7—2 CLASSES)

TEACHING PLAN FOR SEMESTER 2 (Honours)

NAME OF THE FACULTY: SUBHASRI GHOSH
 PAPER: CC 3—HISTORY OF INDIA C. 300 BCE TO C. 750 CE
 LECTURES ALLOTTED: 4 CLASSES PER WEEK
 ALLOTTED SYLLABUS: MODULES I AND II

Manab Kabi
 PRINCIPAL
 ASUTOSH COLLEGE
 92, S. P. MUKHERJEE ROAD
 KOLKATA-700 026



TOPIC NAME	MONTH	NUMBER OF CLASSES
ECONOMY AND SOCIETY C. 300 BCE to C. CE 300 EXPANSION OF AGRARIAN ECONOMY: PRODUCT RELATIONS URBAN GROWTH: NORTH INDIA, CENTRAL INDIA AND THE DECCAN CRAFT PRODUCTION TRADE AND TRADE ROUTES COINAGE	MARCH—APRIL	6 CLASSES (30/3—2 CLASSES, 1/4—2 CLASSES, 6/4—2 CLASSES)
SOCIAL STRATIFICATION: CLASS, VARNA, JATI UNTOUCHABILITY GENDER MARRIAGE AND PROPERTY RELATIONS	APRIL	6 CLASSES (8/4—2 CLASSES, 13/4—2 CLASSES, 20/4—2 CLASSES)
CHANGING POLITICAL FORMATIONS	MAY	2 CLASSES (4/5—2 CLASSES)
THE MAURYAN EMPIRE CHANDRAGUPTA MAURYA ASOKA DHAMMA AND ITS NATURE MAURYAN ECONOMY MAURYAN ADMINISTRATION MAURYAN DECLINE	MAY—JULY	12 CLASSES (6/5—2 CLASSES, 11/5—2 CLASSES, 13/5—2 CLASSES, 1/7—2 CLASSES, 6/7— 2 CLASSES, 8/7—2 CLASSES)
POST-MAURYAN POLITIES SAKAS SATAVAHANAS KUSHANAS	JULY	6 CLASSES (13/7—2 CLASSES, 15/7—2 CLASSES, 20/7—2 CLASSES)

TEACHING PLAN FOR SEMESTER 2 (Honours)

NAME OF THE FACULTY: TANIYA ROY

PAPER: CC 3—HISTORY OF INDIA C. 300 BCE TO C. 750 CE

LECTURES ALLOTTED: 4 CLASSES PER WEEK

ALLOTTED SYLLABUS: MODULE III

Manab Kabi
PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



TOPIC NAME	MONTH	NUMBER OF CLASSES
TOWARDS EARLY MEDIEVAL INDIA (CIRCA CE 4TH CENTURY TO CE 750) AGRARIAN EXPANSION LAND GRANTS	MARCH	4 CLASSES (28/3—2 CLASSES, 29/3—2 CLASSES)
CHANGING PRODUCTION RELATIONS: GRADED LAND RIGHTS AND PEASANTRY	APRIL	4 CLASSES (4/4—2 CLASSES, 5/4—2 CLASSES)
PROBLEM OF URBAN DECLINE AND URBAN SETTLEMENTS PATTERNS OF TRADE CURRENCY	APRIL	4 CLASSES (11/4—2 CLASSES, 12/4—2 CLASSES)
VARNA PROLIFERATION JATIS CHANGING NORMS OF MARRIAGE AND PROPERTY	APRIL	4 CLASSES (18/4—2 CLASSES, 19/4—2 CLASSES)
GUPTA EMPIRE CHANDRAGUPTA II SAMUDRAGUPTA GUPTA ADMINISTRATION DECLINE OF THE GUPTA EMPIRE	APRIL—JULY	10 CLASSES (25/4—2 CLASSES, 26/4—2 CLASSES, 2/5—2 CLASSES, 10/5—2 CLASSES, 4/7—2 CLASSES)
POST-GUPTA POLITIES PALLAVAS, CHALUKYAS, VARDHANAS	JULY	6 CLASSES (5/7—2 CLASSES, 11/7—2 CLASSES, 12/7—2 CLASSES)

TEACHING PLAN FOR SEMESTER 2 (Honours)

NAME OF THE FACULTY: SOUMITA ROY

PAPER: CC 3—HISTORY OF INDIA C. 300 BCE TO C. 750 CE

LECTURES ALLOTTED: 2 CLASSES PER WEEK

ALLOTTED SYLLABUS: MODULES IV AND V

TOPIC NAME	MONTH	NUMBER OF CLASSES
RELIGION, PHILOSOPHY AND SOCIETY (C. 300 CE—CE 750) CONSOLIDATION OF THE BRAHMANICAL TRADITION: DHARMA, DHARMASHRAM, PURUSHASTRAS, SAMSKARAS	MARCH--APRIL	6 CLASSES (27/3—2 CLASSES, 3/4—2 CLASSES, 10/4—2 CLASSES)
THEISTIC CULTS MAHAYANA, THE PURANIC TRADITION	APRIL	4 CLASSES (17/4—2 CLASSES, 24/4—2 CLASSES)
BEGINNING OF TANTRICISM	MAY	4 CLASSES (8/5—2 CLASSES,

Manan Kabir
PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



		15/5—2 CLASSES)
CULTURAL DEVELOPMENTS SANSKRIT, PALI, TAMIL AND PRAKRIT LITERATURE	JULY	4 CLASSES (3/7—2 CLASSES, 10/7—2 CLASSES)
SCIENTIFIC AND TECHNICAL TREATISES	JULY	4 CLASSES (17/7—2 CLASSES, 24/7—2 CLASSES)
ART AND ARCHITECTURE MAURYAN, POST-MAURYAN GUPTA AND POST-GUPTA	AUGUST	4 CLASSES (7/8—2 CLASSES, 14/8—2 CLASSES)

Manan Kabi
PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



TEACHING PLAN FOR SEMESTER 6 (General)

NAME OF THE FACULTY: AMINUDDIN SEIKH

PAPER: DSE B—1—PATTERNS OF CAPITALISM IN EUROPE: C. 16TH CENTURY TO EARLY 20TH CENTURY

LECTURES ALLOTTED: 1 CLASS PER WEEK

ALLOTTED SYLLABUS: MODULES I, II, III

TOPIC NAME	MONTH	NUMBER OF CLASSES
DEFINITIONS AND CONCEPTS	FEBRUARY	2 CLASSES (21/2—1 CLASS, 28/2—1 CLASS)
COMMERCIAL CAPITALISM	MARCH	3 CLASSES (14/3—1 CLASS, 21/3—1 CLASS, 28/3—1 CLASS)
INDUSTRIAL REVOLUTION IN ENGLAND	APRIL	4 CLASSES (4/4—1 CLASS, 11/4—1 CLASS, 18/4—1 CLASS, 25/4—1 CLASS)

TEACHING PLAN FOR SEMESTER 6 (General)

NAME OF THE FACULTY: SEBANTI BANDYOPADHYAY

PAPER: DSE B—1—PATTERNS OF CAPITALISM IN EUROPE: C. 16TH CENTURY TO EARLY 20TH CENTURY

LECTURES ALLOTTED: 1 CLASS PER WEEK

ALLOTTED SYLLABUS: MODULES IV, V, VI

TOPIC NAME	MONTH	NUMBER OF CLASSES
INDUSTRIAL CAPITALISM IN FRANCE	FEBRUARY	2 CLASSES (20/2—1 CLASS, 27/2—1 CLASS)
GROWTH OF INDUSTRIES IN GERMANY	MARCH	4 CLASSES (6/3—1 CLASS, 13/3—1 CLASS, 20/3—1 CLASS, 27/3—1 CLASS)
IMPACT OF INDUSTRIAL REVOLUTION ON EUROPEAN SOCIETY, POLITY AND ECONOMY	APRIL	4 CLASSES (3/4—1 CLASS, 10/4—1 CLASS, 17/4—1 CLASS, 24/4—1 CLASS)


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



TEACHING PLAN FOR SEMESTER 6 (General)

NAME OF THE FACULTY: SOUMITA ROY

PAPER: SEC B2—ORALITY AND ORAL CULTURE IN INDIA

LECTURES ALLOTTED: 3 CLASSES PER WEEK

ALLOTTED SYLLABUS: WHOLE PAPER

TOPIC NAME	MONTH	NUMBER OF CLASSES
DEFINING ORALITY	FEBRUARY	2 CLASSES (22/2—1 CLASS, 23/2—1 CLASS)
HISTORIOGRAPHY OF ORALITY	FEBRUARY—MARCH	3 CLASSES (24/2—1 CLASS, 1/3—1 CLASS, 2/3—1 CLASS)
LIFE HISTORIES	MARCH	4 CLASSES (3/3—1 CLASS, 9/3— 1 CLASS, 15/3—1 CLASS, 16/3— 1 CLASS)
RESEARCH METHODOLOGIES	MARCH	3 CLASSES (17/3—1 CLASS, 22/3—1 CLASS, 23/3—1 CLASS)
DOCUMENTATION: WRITTEN AND VISUAL	MARCH	4 CLASSES (24/3—1 CLASS, 29/3—1 CLASS, 30/3—1 CLASS, 31/3—1 CLASS)

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



TEACHING PLAN FOR SEMESTER 4 (General)

NAME OF THE FACULTY: AMINUDDIN SEIKH

PAPER: GE-4—HISTORY OF INDIA, 1707-1950

LECTURES ALLOTTED: 2 CLASSES PER WEEK

ALLOTTED SYLLABUS: MODULES I, II, III

TOPIC NAME	MONTH	NUMBER OF CLASSES
INTERPRETING THE 18TH CENTURY	FEBRUARY	3 CLASSES (21/2—1 CLASS, 24/2—1 CLASS, 28/2—1 CLASS)
EMERGENCE OF INDEPENDENT STATES	MARCH	4 CLASSES (3/3—1 CLASS, 10/3—1 CLASS, 14/3—1 CLASS, 17/3—1 CLASS)
EXPANSION AND CONSOLIDATION OF COLONIAL POWER	MARCH	4 CLASSES (21/3—1 CLASS, 24/3—1 CLASS, 28/3—1 CLASS, 31/3—1 CLASS)

TEACHING PLAN FOR SEMESTER 4 (General)

NAME OF THE FACULTY: SOUMITA ROY

PAPER: GE-4—HISTORY OF INDIA, 1707-1950

LECTURES ALLOTTED: 1 CLASS PER WEEK

ALLOTTED SYLLABUS: MODULES IV, V, VI

TOPIC NAME	MONTH	NUMBER OF CLASSES
UPRISING OF 1857	MARCH	3 CLASSES (1/3—1 CLASS, 15/3—1 CLASS, 22/3—1 CLASS)
COLONIAL ECONOMY	MARCH—APRIL	3 CLASSES (29/3—1 CLASS, 5/4—1 CLASS, 12/4—1 CLASS)
SOCIO-RELIGIOUS REFORM MOVEMENTS IN THE 19TH CENTURY	APRIL—MAY	3 CLASSES (19/4—1 CLASS, 26/4—1 CLASS, 10/5—1 CLASS)


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



TEACHING PLAN FOR SEMESTER 4 (General)

NAME OF THE FACULTY: SEBANTI BANDYOPADHYAY

PAPER: GE-4—HISTORY OF INDIA, 1707-1950

LECTURES ALLOTTED: 2 CLASSES PER WEEK

ALLOTTED SYLLABUS: MODULES VII, VIII, IX

TOPIC NAME	MONTH	NUMBER OF CLASSES
EMERGENCE AND GROWTH OF NATIONALISM	FEBRUARY—MARCH	3 CLASSES (27/2—1 CLASS, 2/3—1 CLASS, 6/3—1 CLASS)
COMMUNALISM	MARCH	4 CLASSES (9/3—1 CLASS, 13/3—1 CLASS, 16/3—1 CLASS, 20/3—1 CLASS)
ADVENT OF FREEDOM	MARCH—APRIL	5 CLASSES (23/3—1 CLASS, 27/3—1 CLASS, 30/3—1 CLASS, 3/4—1 CLASS, 6/4—1 CLASS)

TEACHING PLAN FOR SEMESTER 4 (General)

NAME OF THE FACULTY: TANIYA ROY

PAPER: SEC A 1—MUSEUMS AND ARCHIVES IN INDIA

LECTURES ALLOTTED: 1 CLASS PER WEEK

ALLOTTED SYLLABUS: WHOLE PAPER

TOPIC NAME	MONTH	NUMBER OF CLASSES
DEFINITIONS	FEBRUARY	1 CLASS (24/2—1 CLASS)
HISTORY OF SETTING UP MUSEUMS	MARCH	3 CLASSES (3/3—1 CLASS, 10/3—1 CLASS, 17/3—1 CLASS)
FIELD WORK	MARCH	1 CLASS (24/3—1 CLASS)—PPT PRESENTATION
TRAINING AND EMPLOYMENT	MARCH—APRIL	2 CLASSES (31/3—1 CLASS, 28/4—1 CLASS)


PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



STRUCTURE	13/7—1 CLASS, 20/7—1 CLASS)
-----------	-----------------------------

TEACHING PLAN FOR SEMESTER 2 (General)

NAME OF THE FACULTY: SOUMITA ROY

PAPER: GE 2—HISTORY OF INDIA FROM EARLIEST TIMES C. 300—1206

LECTURES ALLOTTED: 1 CLASS PER WEEK

ALLOTTED SYLLABUS: MODULE I

TOPIC NAME	MONTH	NUMBER OF CLASSES
THE RISE AND GROWTH OF GUPTAS	APRIL—MAY	5 CLASSES (3/4—1 CLASS, 10/4—1 CLASS, 17/4—1 CLASS, 24/4—1 CLASS, 8/5—1 CLASS)

TEACHING PLAN FOR SEMESTER 2 (General)

NAME OF THE FACULTY: SEBANTI BANDYOPADHYAY

PAPER: GE 2—HISTORY OF INDIA FROM EARLIEST TIMES C. 300—1206

LECTURES ALLOTTED: 1 CLASS PER WEEK

ALLOTTED SYLLABUS: MODULES II, VI

TOPIC NAME	MONTH	NUMBER OF CLASSES
HARSHA AND HIS TIMES	MAY—JULY	2 CLASSES (12/5—1 CLASS, 7/7—1 CLASS)
EMERGENCE OF RAJPUT STATES	JULY	3 CLASSES (14/7—1 CLASS, 21/7—1 CLASS, 28/7—1 CLASS)

TEACHING PLAN FOR SEMESTER 2 (General)

NAME OF THE FACULTY: TANIYA ROY

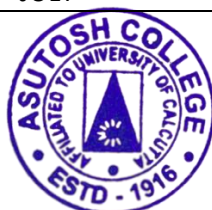
PAPER: GE 2—HISTORY OF INDIA FROM EARLIEST TIMES C. 300—1206

LECTURES ALLOTTED: 1 CLASS PER WEEK

ALLOTTED SYLLABUS: MODULES III, IV, V

TOPIC NAME	MONTH	NUMBER OF CLASSES
SOUTH INDIA: POLITY, SOCIETY, ECONOMY AND CULTURE	APRIL	3 CLASSES (6/4—1 CLASS, 13/4—1 CLASS, 20/4—1 CLASS)
TOWARDS THE EARLY MEDIEVAL	APRIL—MAY	3 CLASSES (27/4—1 CLASS, 4/5—1 CLASS, 11/4—1 CLASS)
EVOLUTION OF THE POLITICAL	JULY	3 CLASSES (6/7—1 CLASS,

Manan Kabra
 PRINCIPAL
 ASUTOSH COLLEGE
 92, S. P. MUKHERJEE ROAD
 KOLKATA-700 026



TEACHING PLAN FOR SEMESTER 2 (General)

NAME OF THE FACULTY: AMINUDDIN SEIKH

PAPER: GE 2—HISTORY OF INDIA FROM EARLIEST TIMES C. 300—1206

LECTURES ALLOTTED: 1 CLASS PER WEEK

ALLOTTED SYLLABUS: MODULES VII, VIII

TOPIC NAME	MONTH	NUMBER OF CLASSES
ARABS IN SINDH	APRIL	3 CLASSES (4/4—1 CLASS, 11/4—1 CLASS, 18/4—1 CLASS)
STRUGGLE FOR POWER IN NORTHERN INDIA	APRIL—MAY	2 CLASSES (25/4—1 CLASS, 2/5—1 CLASS)

S. Ghosh

(SUBHASRI GHOSH)

ASSISTANT PROFESSOR AND HEAD

DEPARTMENT OF HISTORY



Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY

TEACHING PLAN FOR SEMESTER-VI

NAME OF FACULTY: Dr. Sriparna Datta Ray

PAPER: ZOOA-CC-6-P

LECTURES ALLOTTED: 10 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
10 HRS.	Study of the developmental stages and life cycle of <i>Drosophila</i>
TOPIC/SUBTOPIC:	

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

NAME OF FACULTY: Dr. Sriparna Datta Ray

PAPER: ZOOA-DSE (A)-6-2-TH

LECTURES ALLOTTED: 10 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
10 HRS.	Culture Techniques and Applications
TOPIC/SUBTOPIC:	
Culture Techniques and Applications	Animal cell culture, Expressing cloned genes in mammalian cells, Molecular diagnosis of genetic diseases (Cystic fibrosis, Sickle cell anaemia, Thalassemia). Dolly & Polly cloning Genetically modified economically important animal Gene Therapy

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-VI

NAME OF FACULTY: Dr. Sriparna Datta Ray

PAPER: ZOOA-DSE (A)-6-2-P

LECTURES ALLOTTED: 20 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
20 HRS.	Project report on animal cloning & Application & ethical Issues.
TOPIC/SUBTOPIC:	

Manan Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY

TEACHING PLAN FOR SEMESTER-VI

NAME OF FACULTY: Dr. A. R. Md. Mustafizur Rahaman

PAPER: ZOOA-CC6-13-TH

LECTURES ALLOTTED: 30 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
20 HRS.	Unit 1: Early Embryonic Development
10 HRS.	Unit 2: Late Embryonic Development
TOPIC/SUBTOPIC:	
Unit 1: Early Embryonic Development	Gametogenesis: Spermatogenesis, Oogenesis (sea urchin & mammal); Types of eggs, Egg membranes; Fertilization in sea urchin and mammal; Planes and patterns of cleavage; Types of Blastula [frog and chick]; Fate map in chick embryo, fate mapping using vital dye and radioactive technique; Gastrulation in frog and chick; Embryonic induction and organizers in <i>Xenopus</i> (Spemann & Mangold's experiment)
Unit 2: Late Embryonic Development	Extra-embryonic membranes in Chick; Implantation of embryo in humans, Placenta (Structure, types and functions of placenta)

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail@asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-VI

NAME OF FACULTY: Dr. A. R. Md. Mustafizur Rahaman

PAPER: ZOOA-CC6-13-P

LECTURES ALLOTTED: 30 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
15 HRS.	Study of whole mounts of developmental stages of chick embryo through permanent slides: 24, 48, and 96 hours of incubation
15 HRS.	Study of different sections of placenta (photomicrograph/ slides)
TOPIC/SUBTOPIC:	

Manab Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





NAME OF FACULTY: Dr. Tapan Kumar Roy.

PAPER: ZOOA-CC6-14-TH

LECTURES ALLOTTED: 21 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
6 HRS.	Unit 4: Natural Selection
10 HRS.	Unit 5: Species Concept
5 HRS.	Unit 9: Phylogenetic trees
TOPIC/SUBTOPIC:	
Unit 4: Natural Selection	Modes with examples
Unit 5: Species Concept	Species concept, Isolating mechanisms, modes of speciation; Speciation by chromosome rearrangement in <i>Drosophila</i> . Adaptive radiation/macroevolution (exemplified by Galapagos finches).
Unit 9: Phylogenetic trees	Phylogenetic trees, construction and interpretation of Phylogenetic tree using parsimony, convergent and divergent evolution.

Manan Kabi





DEPARTMENT OF ZOOLOGY

TEACHING PLAN FOR SEMESTER-VI

NAME OF FACULTY: Dr. Tapan Kumar Roy.

PAPER: ZOOA-DSE (B)-6-1-TH

LECTURES ALLOTTED: 25 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
5 HRS.	Unit1: Patterns of Behaviour
20 HRS.	Unit2: Social and Sexual Behaviour
TOPIC/SUBTOPIC:	
Unit1: Patterns of Behaviour	Stereotyped Behaviours (Orientation, Reflex); Individual Behavioural patterns; Instinct vs. Learned Behaviour; FAP,
Unit2: Social and Sexual Behaviour	Social organisation in termites; Communication (dance & pheromones in Bees) Social behaviour: Altruism (Hamilton's rule and concept of haplodiploidy), Cooperation and Selfishness Sexual Behaviour: Sexual dimorphism, Mate choice in peacock, Intra-sexual selection (male rivalry in red deer) Kinship theory: Relatedness & inclusive fitness; parental care in fishes (Nest Building & coast benefit), conflict within families: parent offspring conflict and sibling rivalry

Manan Kabra

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY

TEACHING PLAN FOR SEMESTER-VI

NAME OF FACULTY: Dr. Tapan Kumar Roy.

PAPER: ZOOA-DSE (B)-6-1-P

LECTURES ALLOTTED: 40HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
9HRS	2. To study the behavioural responses of wood lice to dry and humid conditions (demonstration only).
6HRS	3. To study geotaxis behaviour in earthworm.
6HRS	4. To study the phototaxis behaviour in insect larvae.
9HRS	5. Visit to Forest/ Wild life Sanctuary/Biodiversity Park/Zoological Park to study behavioural activities of animals and prepare a short report.
10HRS	6. Study of circadian functions in humans (daily eating, sleep and temperature patterns).
TOPIC/SUBTOPIC:	

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY

TEACHING PLAN FOR SEMESTER-VI

NAME OF FACULTY: Dr. Deep Candan Chakraborty

PAPER: ZOOA-DSE (B)-6-1-TH

LECTURES ALLOTTED: 25 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
5HRS.	Unit 1: Patterns of Behaviour
20HRS.	Unit 3: Chronobiology & Biological Rhythm
TOPIC/SUBTOPIC:	
Unit 1: Patterns of Behaviour	FAP, Associative learning, classical and operant conditioning, Habituation, Imprinting.
Unit 3: Chronobiology & Biological Rhythm	Types and characteristics of biological rhythms: Short- and Long- term rhythms; Circadian rhythms; Tidal rhythms and Lunar rhythms, Circannual rhythms; Photic and non-photoc zeitgebers; Role of melatonin. Biological clock and its adaptive significance. Circannual rhythm in bird migration.

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-VI

NAME OF FACULTY: Dr. Deep Chandan Chakraborty

PAPER: ZOOA-DSE (B)-6-1-P

LECTURES ALLOTTED: 20 HRS

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
10 HRS	1. To study nests and nesting habits of the birds and social insects.
10 HRS	5. Visit to Forest/ Wild life Sanctuary/Biodiversity Park/Zoological Park to study behavioural activities of animals and prepare a short report.

Manab Kabi
PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY

TEACHING PLAN FOR SEMESTER-VI

NAME OF FACULTY: Dr. Deep Chandan Chakraborty

PAPER: ZOOG-DSE-B-6-2-TH

LECTURES ALLOTTED: 3 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
3 HRS.	Unit 5: Wild Life
TOPIC/SUBTOPIC:	
Unit 5: Wild Life	National parks & sanctuaries, Tiger conservation - Tiger reserves in India; Management challenges in Tiger reserve

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY

TEACHING PLAN FOR SEMESTER-VI

NAME OF FACULTY: Lopamudra Mukherjee

PAPER: ZOOA-CC6-14-TH

LECTURES ALLOTTED: 26 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
5 HRS.	Unit1
5 HRS.	Unit2
6 HRS.	Unit3
10 HRS.	Unit7
TOPIC/SUBTOPIC:	
Unit 1:	Origin of Life (Chemical basis), RNA world hypothesis
Unit2	Historical review of Evolutionary concepts: Lamarkism, Darwinism and Neo Darwinism
Unit3	Geological time scale, Fossil: types and age determination by Carbon dating, Evolution of horse
Unit7	Population genetics: Hardy-Weinberg Law; factors disrupting H-W equilibrium (Genetic Drift, Migration and Mutation and Selection in changing allele frequencies (only derivations required). Simple problems related to estimation of allelic and gene frequencies.

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-VI

NAME OF FACULTY: Lopamudra Mukherjee

PAPER: ZOOA-CC6-14-P

LECTURES ALLOTTED: 25 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
20 HRS.	1. Study of fossils from models/ pictures: Dickinsonia, Paradoxides (Trilobita), Asteroceras (Ammonoid), Pentremites (Blastoid Echinoderm), Ichthyosaur, Archaeopteryx, Cynodont.
5 HRS.	2. Study of homology and analogy from suitable specimens.
TOPIC/SUBTOPIC:	

Manab Kabi





DEPARTMENT OF ZOOLOGY

TEACHING PLAN FOR SEMESTER-VI

NAME OF FACULTY: Lopamudra Mukherjee

PAPER: ZOOG-DSE-B-6-2-P

LECTURES ALLOTTED: 10 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
10HRS	Study of an aquatic ecosystem: Phytoplankton and zooplankton, Measurement of area, temperature, salinity, determination of pH, and Dissolved Oxygen content (Winkler's method), Chemical Oxygen Demand and free CO ₂
TOPIC/SUBTOPIC:	

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY

TEACHING PLAN FOR SEMESTER-VI

NAME OF FACULTY: Dr. Dalia Mukhopadhyay

PAPER: ZOOA-DSE (A)-6-2-TH

LECTURES ALLOTTED: 20 HRS

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
5 HRS	Unit 1: Introduction
10 HRS	Unit 2: Molecular Techniques in Gene manipulation
5 HRS	Unit 3: Genetically Modified Organisms
TOPIC/SUBTOPIC:	
Unit 1: Introduction	Organization of <i>E.coli</i> and <i>Drosophila</i> genome
Unit 2: Molecular Techniques in Gene manipulation	Construction of Genomic libraries and cDNA libraries Transformation techniques: Cloning in bacteria and detection technique of clone Agarose and Polyacrylamide Gel Electrophoresis,
Unit 3: Genetically Modified Organisms	Production of cloned and transgenic animals: Nuclear Transplantation, Retroviral Method, DNA microinjection.

Mana Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY

TEACHING PLAN FOR SEMESTER-VI

NAME OF FACULTY: Basudha Basu

PAPER: ZOOG-DSE-B-6-2-TH

LECTURES ALLOTTED: 10 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
10 HRS.	Unit4: Ecosystem
TOPIC/SUBTOPIC:	
Unit4: Ecosystem	Types of ecosystem with an example in detail, Food chain: Detritus and grazing food chains, Linear and Y-shaped food chains, Food web, Energy flow through the ecosystem, Ecological pyramids and Ecological efficiencies

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-IV

NAME OF FACULTY: Dr. Prithwis Mitra

PAPER: ZOOG-DSE-B-6-2-TH

LECTURES ALLOTTED: 10 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
10 HRS.	Study of an aquatic ecosystem: Phytoplankton and zooplankton, Measurement of area, temperature, salinity, determination of pH, and Dissolved Oxygen content (Winkler's method), Chemical Oxygen Demand and free CO ₂





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-VI

NAME OF FACULTY: Dr. Sriparna Datta Ray

PAPER: ZOOA-CC4-8-P

LECTURES ALLOTTED: 10HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
10 HRS.	Comparative study of heart and brain, with the help of model/picture
TOPIC/SUBTOPIC:	





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-IV

NAME OF FACULTY: Dr. Sriparna Datta Ray

PAPER: ZOOA-CC4-9-TH

LECTURES ALLOTTED: 8 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
8 HRS.	Unit 4: Physiology of Heart
TOPIC/SUBTOPIC:	
Unit 4: Physiology of Heart	Coronary Circulation, Structure and working of conducting myocardial fibres, Origin and conduction of cardiac impulses; Cardiac Cycle and cardiac output

Manan Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-IV

NAME OF FACULTY: Dr. Sriparna Datta Ray

PAPER: ZOOA-CC4-10-TH

LECTURES ALLOTTED: 14 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
6 HRS.	Unit 5: Major Histocompatibility Complex
3 HRS.	Unit 6: Cytokines
5 HRS.	Unit 7: Complement System
TOPIC/SUBTOPIC:	
Unit 5: Major Histocompatibility Complex	Structure and functions of MHC molecules. Structure of T cell Receptor and its signalling, T cell development & selection
Unit 6: Cytokines	Types, properties and functions of cytokines.
Unit 7: Complement System	Components and pathways of complement activation.

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail@asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-IV

NAME OF FACULTY: Dr. Sriparna Datta Ray

PAPER: ZOOG-CC4-4-P

LECTURES ALLOTTED: 6HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
6HRS.	Identification of Human Aneuploidy using photograph and karyotype
TOPIC/SUBTOPIC:	

Manab Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





NAME OF FACULTY: Dr. A. R. Md. Mustafizur Rahaman

PAPER: ZOOA-CC4-8-TH

LECTURES ALLOTTED: 5 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
5 HRS.	Unit 5: Urinogenital System
TOPIC/SUBTOPIC:	
Unit 5: Urinogenital System	Succession of kidney in different vertebrate groups; evolution of urino- genital ducts

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-IV

NAME OF FACULTY: Dr. A. R. Md. Mustafizur Rahaman

PAPER: ZOOA-CC4-9-TH

LECTURES ALLOTTED: 28 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
10 HRS.	Unit 1: Physiology of Digestion
10 HRS.	Unit 2: Physiology of Respiration
8 HRS.	Unit 6: Renal Physiology
TOPIC/SUBTOPIC:	
Unit 1: Physiology of Digestion	Structural organisation and function of gastro-intestinal tract; Mechanical and chemical digestion of food, absorption of Carbohydrates, Lipids and Proteins in Human
Unit 2: Physiology of Respiration	Mechanism of Respiration, Respiratory volumes and capacities, transport of Oxygen and Carbon dioxide in blood, Dissociation curves and the factors influencing it, respiratory pigments; Carbon monoxide poisoning
Unit 6: Renal Physiology	Structure of Kidney and its functional unit, Mechanism of urine formation, Regulation of acid-base balance

Manab Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





NAME OF FACULTY: Dr. A. R. Md. Mustafizur Rahaman

PAPER: ZOOA-CC4-9-P

LECTURES ALLOTTED: 50 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
10 HRS.	Determination of ABO Blood group
10 HRS.	Estimation of haemoglobin using Sahli's haemoglobin meter
10 HRS.	Identification of blood cells from human blood
10 HRS.	Preparation of haemin crystals and haemochromogen crystals
10 HRS.	Demonstration of blood pressure by digital meter
TOPIC/SUBTOPIC:	

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-IV

NAME OF FACULTY: Dr. A. R. Md. Mustafizur Rahaman

PAPER: ZOOA-CC4-10-TH

LECTURES ALLOTTED: 10 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
10 HRS.	Unit 4: Immunoglobulins
TOPIC/SUBTOPIC:	
Unit 4: Immunoglobulins	Structure and functions of different classes of immunoglobulins, Antigen-antibody interactions, Immunoassays (ELISA and RIA), Monoclonal antibody production

Manab Kabi





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-IV

NAME OF FACULTY: Dr. A. R. Md. Mustafizur Rahaman

PAPER: ZOOG-CC4-4-TH

LECTURES ALLOTTED: 7 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
7 HRS.	Unit 8: Speciation
TOPIC/SUBTOPIC:	
Unit 8: Speciation	Sympatric, Allopatric, Parapatric

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-IV

NAME OF FACULTY: Dr. Tapan Kumar Roy.

PAPER: ZOOA-CC4-8-TH

LECTURES ALLOTTED: 18 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
10 HRS.	Unit 1: Integumentary System
8 HRS.	Unit 6: Nervous system and sense organs
TOPIC/SUBTOPIC:	
Unit 1: Integumentary System	Structure, function and derivatives of integument in amphibian, birds and mammals
Unit 6: Nervous system and sense organs	Comparative account of brain in vertebrates; cranial nerves; olfactory and auditory receptors in vertebrates

Manab Kabi





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-IV

NAME OF FACULTY: Dr. Tapan Kumar Roy.

PAPER: ZOOA-CC4-9-P

LECTURES ALLOTTED: 10 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
10 HRS.	Identification of blood cells from cockroach haemolymph
TOPIC/SUBTOPIC:	

Manab Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-IV

NAME OF FACULTY: Dr. Deep Chandan Chakraborty

PAPER: ZOOA-CC4-10-TH

LECTURES ALLOTTED: 16 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
3 HRS.	Unit 1: Overview of Immune System
9 HRS.	Unit 2: Innate and Adaptive Immunity
4 HRS.	Unit 9: Vaccines
TOPIC/SUBTOPIC:	
Unit 1: Overview of Immune System	Introduction – concept of health and disease; Cells and organs of the Immune system
Unit 2: Innate and Adaptive Immunity	Anatomical barriers, Inflammation, Cell and molecules involved in innate immunity, Adaptive immunity (Cell mediated and humoral).
Unit 9: Vaccines	Various types of vaccines. Active & passive immunization (Artificial and natural).

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-IV

NAME OF FACULTY: Dr. Deep Chandan Chakraborty

PAPER: ZOOA-CC4-10-P

LECTURES ALLOTTED: 50 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
20 HRS.	Demonstration of lymphoid organs (by picture).
10 HRS.	Histological study of Bursa fabricius, spleen, thymus and lymph nodes through slides/ photographs
20 HRS.	Demonstration of ELISA
TOPIC/SUBTOPIC:	

Manan Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-IV

NAME OF FACULTY: Lopamudra Mukherjee

PAPER: ZOOA-CC4-10-TH

LECTURES ALLOTTED: 10 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
6 HRS.	Unit 3: Antigens
4 HRS.	Unit 8: Hypersensitivity
TOPIC/SUBTOPIC:	
Unit 3: Antigens	Antigenicity and immunogenicity, Immunogens, Adjuvants and haptens, Factors influencing immunogenicity, B and T-Cell epitopes
Unit 8: Hypersensitivity	Gell and Coombs' classification and brief description of various types of hypersensitivities.

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-IV

NAME OF FACULTY: Lopamudra Mukherjee

PAPER: ZOOA-CC4-10-P

LECTURES ALLOTTED: 10 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
10HRS.	Histological study of Bursa fabricius, spleen, thymus and lymph nodes through slides/ photographs
TOPIC/SUBTOPIC:	

Manan Kabi





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-IV

NAME OF FACULTY: Lopamudra Mukherjee

PAPER: ZOOG-CC4-4-P

LECTURES ALLOTTED: 12 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
6 HRS.	Verification of Mendelian Ratio using Chisquare test
6 HRS.	Visit to Natural History Museum and submission of report
TOPIC/SUBTOPIC:	

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-IV

NAME OF FACULTY: Dr. Dalia Mukhopadhyay

PAPER: ZOOA-CC4-8-TH

LECTURES ALLOTTED: 6 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
6 HRS.	Unit 3: Respiratory System
TOPIC/SUBTOPIC:	
Unit 3: Respiratory System	Respiratory organs in fish, birds and mammals

Manan Kabi





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-IV

NAME OF FACULTY: Basudha Basu

PAPER: ZOOG-CC4-4-TH

LECTURES ALLOTTED: 16 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
8 HRS.	Unit3: Mutation
8 HRS.	Unit4: Sex determination
TOPIC/SUBTOPIC:	
Unit3: Mutation	Chromosomal mutation, Deletion, duplication, inversion, translocation, aneuploidy, gene mutation, induced mutation, types & example
Unit4: Sex determination	Genic Balance theory and dosage compensation in <i>Drosophila</i> .

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-IV

NAME OF FACULTY: Dr. Prithwis Kr. Mitra

PAPER: ZOOG-CC4-4-P

LECTURES ALLOTTED: 30HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
6 HRS.	1.Verification of Mendelian Ratio using Chi square test.
6 HRS.	2. Identification of Human Aneuploidy using photo graph of karyotype.
6 HRS.	3. Phylogeny of horse with diagram of limb and skull.
12 HRS.	4. Study and identification of Darwin Finches from photographs. 5. Visit to natural history museum and submission of report.
TOPIC/SUBTOPIC:	

Manan Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-II

NAME OF FACULTY: Dr. Sriparna Datta Ray

PAPER: ZOOA-CC2-3-P

LECTURES ALLOTTED: 15 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
15 HRS.	1. Study of following specimens: a. Annelids - Aphrodite, Nereis, Chaetopterus, Earthworm, Hirudinaria b. Arthropods - Limulus, Palaemon, Balanus, Eupagurus, Scolopendra, Peripatus, Silkworm – life history stages, Termite – members of a colony

Manan Kabi
PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-II

NAME OF FACULTY: Dr. Sriparna Datta Ray

PAPER: ZOOA-CC2-4-TH

LECTURES ALLOTTED: 4 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
4 HRS.	Unit 7: Cell Signalling
TOPIC/SUBTOPIC:	
Unit 7: Cell Signalling	Apoptosis

Manab Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-II

NAME OF FACULTY: Dr. Sriparna Datta Ray

PAPER: ZOOA-CC2-4-P

LECTURES ALLOTTED: 15 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
6 HRS.	Preparation of temporary stained squash of onion/arum root tip to study various stages of mitosis
9 HRS.	Study of various stages of meiosis from grasshopper testis
TOPIC/SUBTOPIC:	





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-II

NAME OF FACULTY: Dr. A. R. Md. Mustafizur Rahaman

PAPER: ZOOA-CC2-3-TH

LECTURES ALLOTTED: 2 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
2 HRS.	Unit 4: Onychophora
TOPIC/SUBTOPIC:	
Unit 4: Onychophora	General characteristics and Evolutionary significance

Manab Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-II

NAME OF FACULTY: Dr. A. R. Md. Mustafizur Rahaman

PAPER: ZOOA-CC2-3-P

LECTURES ALLOTTED: 15 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
15 HRS.	1. Study of following specimens: c. Molluscs - Dentalium, Patella, Chiton, Pila, Achatina, Pinctada, Sepia, Octopus, Nautilus d. Echinoderms - Asterias, Ophiura, Clypeaster, Echinus, Cucumaria and Antedon
TOPIC/SUBTOPIC:	



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

NAME OF FACULTY: Dr. A. R. Md. Mustafizur Rahaman

PAPER: ZOOA-CC2-4-TH

LECTURES ALLOTTED: 4 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
4 HRS.	Unit 7: Cell Signalling
TOPIC/SUBTOPIC:	
Unit 7: Cell Signalling	Cell signalling transduction pathways; Types of signalling molecules and receptors

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-II

NAME OF FACULTY: Dr. Tapan Kumar Roy.

PAPER: ZOOA-CC2-3-TH

LECTURES ALLOTTED: 18 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
2 HRS.	Unit 1: Introduction
16 HRS.	Unit 3: Arthropoda
TOPIC/SUBTOPIC:	
Unit 1: Introduction	Evolution of coelom
Unit 3: Arthropoda	General characteristics and Classification up to classes (Ruppert and Barnes, 1994); Insect Eye (Cockroach only). Respiration in Prawn and Cockroach; Metamorphosis in Lepidopteran Insects; Social life in Termite

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-II

NAME OF FACULTY: Dr. Tapan Kumar Roy.

PAPER: ZOOA-CC2-3-P

LECTURES ALLOTTED: 20 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
20 HRS.	Anatomy study: Nervous system, Reproductive system (Male & female) of Periplaneta sp.
TOPIC/SUBTOPIC:	

Manan Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-II

NAME OF FACULTY: Dr. Tapan Kumar Roy.

PAPER: ZOOG-CC2-2-TH

LECTURES ALLOTTED: 6 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
6 HRS.	1: Integumentary System
TOPIC/SUBTOPIC:	
1: Integumentary System	Derivatives of integument with respect to glands in Birds & Mammals





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-II

NAME OF FACULTY: Dr. Tapan Kumar Roy.

PAPER: ZOOG-CC2-2-P

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
6 HRS.	For preparation of Practical Examination
TOPIC/SUBTOPIC:	
1: Integumentary System	Derivatives of integument with respect to glands in Birds & Mammals

Manab Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY

TEACHING PLAN FOR SEMESTER-II

NAME OF FACULTY: Dr. Deep Chandan Chakraborty

PAPER: ZOOA-CC2-4-TH

LECTURES ALLOTTED: 17 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
7 HRS.	Unit 1: Plasma Membrane
10 HRS.	Unit 6: Cell Cycle
TOPIC/SUBTOPIC:	
Unit 1: Plasma Membrane	Ultra-structure and composition of Plasma membrane: Fluid mosaic model, Transport across membrane - Active and Passive transport, facilitated transport, Cell junctions: Tight junctions, Gap junctions, Desmosomes
Unit 6: Cell Cycle	Cell cycle and its regulation, Cancer (Concept of oncogenes and tumor suppressor genes with special reference to p53, Retinoblastoma and Ras. Process of Proto-oncogene activation

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-II

NAME OF FACULTY: Dr. Deep Chandan Chakraborty

PAPER: ZOOA-CC2-4-P

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
6 HRS.	Preparation of permanent slide to show the presence of Barr body in human female blood cells/cheek cells.
15 HRS.	Preparation of permanent slide to demonstrate: a. DNA by Feulgen reaction b. Cell viability study by Trypan Blue staining

Manab Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY

TEACHING PLAN FOR SEMESTER-II

NAME OF FACULTY: Lopamudra Mukherjee

PAPER: ZOOA-CC2-3-TH

LECTURES ALLOTTED: 2 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
2 HRS.	Unit 7: Hemichordata
TOPIC/SUBTOPIC:	
Unit 7: Hemichordata	General characteristics of phylum Hemichordata. Relationship with non-chordates and chordates

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY

TEACHING PLAN FOR SEMESTER-II

NAME OF FACULTY: Lopamudra Mukherjee

PAPER: ZOOA-CC2-3-P

LECTURES ALLOTTED: 12 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
3 HRS.	a. Annelids - <i>Aphrodite</i> , <i>Nereis</i> , <i>Chaetopterus</i> , Earthworm, <i>Hirudinaria</i>
3 HRS.	b. Arthropods - <i>Limulus</i> , <i>Palaemon</i> , <i>Balanus</i> , <i>Eupagurus</i> , <i>Scolopendra</i> , <i>Peripatus</i> , Silkworm – life history stages, Termite – members of a colony and Honey bee – members of the colony
6 HRS.	c. Molluscs - <i>Dentalium</i> , <i>Patella</i> , <i>Chiton</i> , <i>Pila</i> , <i>Achatina</i> , <i>Pinctada</i> , <i>Sepia</i> , <i>Octopus</i> , <i>Nautilus</i> d. Echinoderms - <i>Asterias</i> , <i>Ophiura</i> , <i>Clypeaster</i> , <i>Echinus</i> , <i>Cucumaria</i> and <i>Antedon</i>
TOPIC/SUBTOPIC:	

Manan Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-II

NAME OF FACULTY: Lopamudra Mukherjee

PAPER: ZOOA-CC2-4-TH

LECTURES ALLOTTED: 15 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
3 HRS.	Unit 2: Cytoplasmic organelles I
7 HRS.	Unit 3: Cytoplasmic organelles II
5 HRS.	Unit 4: Cytoskeleton
TOPIC/SUBTOPIC:	
Unit 2: Cytoplasmic organelles I	Structure and Functions: Endoplasmic Reticulum, Golgi Apparatus, Lysosomes
Unit 3: Cytoplasmic organelles II	Mitochondria: Structure, Semi-autonomous nature, Endosymbiotic hypothesis Mitochondrial. Respiratory Chain, Chemiosmotic hypothesis; Peroxisomes: Structure and Functions
Unit 4: Cytoskeleton	Type, structure and functions of cytoskeleton; Accessory proteins of microfilament & microtubule

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





DEPARTMENT OF ZOOLOGY

TEACHING PLAN FOR SEMESTER-II

NAME OF FACULTY: Lopamudra Mukherjee

PAPER: ZOOG-CC2-2-TH

LECTURES ALLOTTED: 5 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
5 HRS.	Unit 5: Urino-genital System
TOPIC/SUBTOPIC:	
Unit 5: Urino-genital System	Succession of kidney, Evolution of urino-genital ducts

Manab Kabi



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-II

NAME OF FACULTY: Dr. Dalia Mukhopadhyay

PAPER: ZOOA-CC2-4-TH

LECTURES ALLOTTED: 8 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
8 HRS.	Unit 5: Nucleus
TOPIC/SUBTOPIC:	
Unit5: Nucleus	Nuclear envelope, Nuclear pore complex, Nucleolus; Chromatin: Euchromatin and Heterochromatin and packaging (nucleosome)

Manab Kabi

PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





NAME OF FACULTY: Basudha Basu

PAPER: ZOOG-CC2-2-TH

LECTURES ALLOTTED: 12 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
5 HRS.	Unit 4: Circulatory System
7 HRS.	Unit 6: Early Embryonic Development
TOPIC/SUBTOPIC:	
Unit 4: Circulatory System	Evolution of heart and aortic arches
Unit 6: Early Embryonic Development	Gametogenesis: Spermatogenesis and oogenesis with respect to mammals. Fertilization: Sea-Urchin; Early development of frog; structure of mature egg and its membranes, patterns of cleavage, fate map, up to formation of gastrula; types of morphogenetic movements; Fate of germ layers

Manan Kabi





DEPARTMENT OF ZOOLOGY
TEACHING PLAN FOR SEMESTER-II

NAME OF FACULTY: Basudha Basu

PAPER: ZOOG-CC2-2-P

LECTURES ALLOTTED: 30 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
15 HRS.	Osteology
6 HRS.	Larval stages
3 HRS.	Study of the different types of placenta
6 HRS.	Developmental stages of chick embryo
TOPIC/SUBTOPIC:	
Osteology	Limb bones, girdle and vertebra of Pigeon & Guinea pig, Mammalian skulls: One herbivorous; Guinea pig and one carnivorous; Dog.
Larval stages	Veliger, Nauplius, Trochophore, Mysis.
Placenta	Study of the different types of placenta histological sections through photomicrographs.
Developmental stages	Developmental stages of chick embryo: 24 Hrs., 48 Hrs, 72 Hrs., 96 Hrs.

Manab Kabi

PRINCIPAL

ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026





NAME OF FACULTY: Dr. Prithwis Mitra

PAPER: ZOOG-CC2-2-P

LECTURES ALLOTTED: 30 HRS.

ALLOTTED SYLLABUS:

TOPIC/SUBTOPIC:	
LEC. NO.	PROPOSED TOPIC(S) TO BE TAUGHT
15 HRS.	Osteology
6 HRS.	Larval stages
3 HRS.	Study of the different types of placenta
6 HRS.	Developmental stages of chick embryo
TOPIC/SUBTOPIC:	
Osteology	Limb bones, girdle and vertebra of Pigeon & Guinea pig, Mammalian skulls: One herbivorous; Guinea pig and one carnivorous; Dog.
Larval stages	Veliger, Nauplius, Trochophore, Mysis.
Placenta	Study of the different types of placenta histological sections through photomicrographs.
Developmental stages	Developmental stages of chick embryo: 24 Hrs., 48 Hrs, 72 Hrs., 96 Hrs.

Manab Kabi

