

Academic Quarter	Class	Name of the Teacher	Topics to be covered	No. Of Lectures	Tests
July'15 To September'15	1 <sup>st</sup> Yr(H)	<b>Dr. Madhumita Manna, Associate Professor and H.O.D</b>	<b>1<sup>st</sup> Yr(H) Paper-01 Theory Module ZH101</b> Introduction to the Kingdom of Protozoa: Classifications and Examples	04	Class tests taken in last week of September
	1 <sup>st</sup> Yr(G)				
	2 <sup>nd</sup> Yr(H)				
	2 <sup>nd</sup> Yr(G)				
	3 <sup>rd</sup> Yr(H)				
			<b>1<sup>st</sup> Yr(G) Theory Paper 1, Group A</b> Classifications with distinctive features and suitable examples of sub kingdom of Protozoa	03	
			<b>2<sup>nd</sup> Yr(H)- Paper IV Module 401:</b> Genetics: significance of Mendel' s experiments and laws, Concepts and examples of Test cross and back cross, Incomplete dominance, Co dominance, Multiple alleles, Epistasis, Polygenic inheritance	10	
			<b>2<sup>nd</sup> Yr(G)- Theory Paper II, Group A</b> Hardy Weiberg equilibrium in relation to natural selection- a brief idea	06	
			<b>Paper II, Group B:</b> Cell cycle (basic idea)	04	
			<b>2<sup>nd</sup> Yr(G)- Practical Paper III</b> Identification with reasons c) Chordate specimens	08	
			<b>3<sup>rd</sup> Yr(H)- Theory Module 805 Medical Zoology</b> 1. Mosquito borne diseases: malaria and Filaria-causative agents, their life cycles, modes of infections in man, major modes of treatments, major vector species in India, their ecology and life cycles, control measures.	18	
			2. Visceral Leishmaniasis(Kala-azar)- causative species and vectors in West Bengal	03	
			<b>3<sup>rd</sup> Yr(H)- Practical Paper IX, Group B</b> Medical Entomology, Identifications of Culex, Aedes, and Anopheles mosquitos from whole mount dry specimens. Identifications of Plasmodium, Entamoeba, Giardia, Fasciola, Ascaris, Wuchereria	09	

September '15 to December '15 (13 <sup>th</sup> October to 28 <sup>th</sup> Nov Puja Holidays)  (Dec 25-31, Winter Recess)	1 <sup>st</sup> Yr(H)		<b>1<sup>st</sup> Yr(H) Paper-01 Theory Module ZH101</b> Special topics: Contractile vacuoles, Structure of cilia	04	Class tests in first week of December  Parent Teacher Meetings to be organized by the respective departments during second week of December
	1 <sup>st</sup> Yr(G)		<b>1<sup>st</sup> Yr(G) Module ZG101</b> Classifications of Phylum Annelida	02	
	2 <sup>nd</sup> Yr(H)		<b>2<sup>nd</sup> Yr(H)- Paper IV Module 401:</b> Genetics: significance of Mendel's experiments and laws, Concepts and examples of Test cross and back cross, Incomplete dominance, /Co dominance, Multiple alleles, Epistasis, Polygenic inheritance	10	
	2 <sup>nd</sup> Yr(G)		<b>2<sup>nd</sup> Yr(H)- Paper IV Module 402:</b> Cell cycle : preliminary idea; Genetic Engineering- concepts and examples; Principles (outline) of common methods used in cellular and molecular biology: PCR, RFLP, DNA fingerprinting, Gene sequencing.	15	
	3 <sup>rd</sup> Yr(H)		<b>2<sup>nd</sup> Yr(H)- Paper IV Module 404:</b> Principles of common methods used in Biochemistry and biophysics: Chromatography, Ultracentrifug e, Electrophoresis, Immunoelectrophoresis, Western blotting. <b>Module 506:</b> Immunology: Techniques in Immunology: ELISA, RIA, Immunodiffusion	10	
			<b>2<sup>nd</sup> Yr(H)- Practical Paper VI Group B</b> (along with Dr. S. Guria) Chromosome preparations: Onion root tip (mitotic stages)	06	
			<b>2<sup>nd</sup> Yr(G)- Theory Paper II, Group A</b> Hardy Weiberg equilibrium in relation to natural selection- a brief idea <b>Paper II, Group B:</b> Cell cycle (basic idea)	15	
			<b>2<sup>nd</sup> Yr(G)- Practical Paper III</b> Identification with reasons c) Chordate specimens	06	
			<b>3<sup>rd</sup> Yr(H) - Theory Module 805 Medical Zoology</b> 1. Mosquito borne diseases: malaria and Filaria-causative agents, their life cycles, modes of infections in man, major modes of treatments, major vector species in India, their ecology and life cycles, control measures.	04	
			<b>3<sup>rd</sup> Yr(H)- Practical</b>	08	



**TENTATIVE SCHEDULE FOR TEST EXAMINATION**

<b>February, 2016</b>	<b>02-06</b>	<b>Part-III Examination, 2015(Paper V – VIII)</b>
<b>March, 2016</b>	<b>14-21</b>	<b>Part-II Examination, 2015(Paper III &amp;IV)</b>
	<b>23-28</b>	<b>Examinations for General Paper</b>
<b>April, 2016</b>	<b>06 &amp; 08</b>	<b>Part-I Examination, 2015 (Paper I &amp; II)</b>
	<b>19-23</b>	<b>Examinations for General Paper</b>
<b>April – May</b>		<b>Part-III University Examination</b>

\*\* B.A./ B.Sc Part –III University Examinations are generally held during April-May, B.A./ B.Sc Part–II University Examinations are held in June –July and B.A./ B.Sc Part I University Examinations are held in July-August. The exact dates will be announced by the university. The students are requested to consult the university web site

