



IAS Biology A Year 1 - September 21 Intake


Start Date:	06-Sep-21
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	Week Number	Week Commencing Date	Topic	Subtopic	Sub-subtopic	Drop in Session Date	Drop in Session Time	Tutor Marked	
Year 1	1	06-Sep-21	Molecules, Diet, Transport and Health	Molecules, Transport and Health	Water	09/09/21	10:00-10:40		
			Molecules, Diet, Transport and Health	Molecules, Transport and Health	Carbohydrates				
	2	13-Sep-21	Molecules, Diet, Transport and Health	Molecules, Transport and Health	Benedicts practical	16/09/21	10:00-10:40		
			Molecules, Diet, Transport and Health	Molecules, Transport and Health	Lipids				
	3	20-Sep-21	Molecules, Diet, Transport and Health	Molecules, Transport and Health	The Heart	23/09/21	10:00-10:40		
			Molecules, Diet, Transport and Health	Molecules, Transport and Health	Blood vessels and circulation				
	4	27-Sep-21	Molecules, Diet, Transport and Health	Molecules, Transport and Health	Haemoglobin	30/09/21	10:00-10:40		
			Molecules, Diet, Transport and Health	Molecules, Transport and Health	CVD				
	5	04-Oct-21	Molecules, Diet, Transport and Health	Molecules, Transport and Health	Vitamin C Practical	07/10/21	10:00-10:40		
			Molecules, Diet, Transport and Health	Molecules, Transport and Health	Health risk studies				
	6	11-Oct-21	Molecules, Diet, Transport and Health	Molecules, Transport and Health	HDLs aamd LDLs	14/10/21	10:00-10:40		
			Molecules, Diet, Transport and Health	Molecules, Transport and Health	Benefit and risks of CVD Treatments				
	7	18-Oct-21	Molecules, Diet, Transport and Health	Membranes, Proteins, DNA and Gene Expression	Gas exchange	21/10/21	10:00-10:40		
			Molecules, Diet, Transport and Health	Membranes, Proteins, DNA and Gene Expression	Cell membranes				
	Holiday 25/10/21 - 31/10/21								
	8	01-Nov-21	Molecules, Diet, Transport and Health	Membranes, Proteins, DNA and Gene Expression	Membrane permeability practical	04/11/21	10:00-10:40		
Molecules, Diet, Transport and Health			Membranes, Proteins, DNA and Gene Expression	Active and passive transport					


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9	08-Nov-21	Molecules, Diet, Transport and Health	Membranes, Proteins, DNA and Gene Expression	Proteins	11/11/21	10:00-10:40		
		Molecules, Diet, Transport and Health	Membranes, Proteins, DNA and Gene Expression	DNA				
10	15-Nov-21	Molecules, Diet, Transport and Health	Membranes, Proteins, DNA and Gene Expression	DNA Replication	18/11/21	10:00-10:40		
		Molecules, Diet, Transport and Health	Membranes, Proteins, DNA and Gene Expression	Protein synthesis				
11	22-Nov-21	Molecules, Diet, Transport and Health	Membranes, Proteins, DNA and Gene Expression	Inheritance terminology	25/11/21	10:00-10:40		
		Molecules, Diet, Transport and Health	Membranes, Proteins, DNA and Gene Expression	Mutations				
12	29-Nov-21	Molecules, Diet, Transport and Health		End of Unit	02/12/21	10:00-10:40	Unit 1 mock	
		Molecules, Diet, Transport and Health	Membranes, Proteins, DNA and Gene Expression	Genetic screening				
13	06-Dec-21	Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Organisation	09/12/21	10:00-10:40		
		Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Ultrastructure of eukaryotic cells				
14	13-Dec-21	Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Ultrastructure of prokaryotic cells	16/12/21	10:00-10:40		
		Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Magnification and resolution				
Holiday 20/12/21 - 09/01/22								
15	10-Jan-22	Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Practical - Microscope and graticule	13/01/22	10:00-10:40		
		Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Meiosis and mitosis				
16	17-Jan-22	Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Fertilisation in mammals	20/01/22	10:00-10:40		
		Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Fertilisation in plants				
17	24-Jan-22	Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Practical - Pollen tube	27/01/22	10:00-10:40		
		Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Stem cells and terminology				

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18	31-Jan-22	Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Mitotic indices	03/02/22	10:00-10:40		
		Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Specialised cells				
19	07-Feb-22	Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Polygenic inheritance	10/02/22	10:00-10:40		
		Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Plant cell ultrastructure				
Holiday 14/2/22 - 20/02/22								
20	21-Feb-22	Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Polypeptides	24/02/22	10:00-10:40		
		Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	xylem, phloem and sclerenchyma				
21	28-Feb-22	Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Root, stems and leaves microscopy practical	03/03/22	10:00-10:40		
		Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Plant based plastics				
22	07-Mar-22	Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Water and inorganic ions	10/03/22	10:00-10:40		
		Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Practical - tensile strength of plant fibres				
23	14-Mar-22	Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Bacterial growth	17/03/22	10:00-10:40		
		Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Practical - microbial properties of plants				
24	21-Mar-22	Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Classification	24/03/22	10:00-10:40		
		Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Biodiversity and endemism				
25	28-Mar-22	Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Hardy-weinberg equation	31/03/22	10:00-10:40		
		Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Conservation of endangered species				
Holiday 04/04/22 - 24/04/22								
26	25-Apr-22	Cells, Development, Biodiversity and Conservation			End of Unit	28/04/22	10:00-10:40	Unit 2 mock

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	27	02-May-22	Molecules, Diet, Transport and Health	Molecules, Transport and Health	Recap	05/05/22	10:00-10:40	
	28	09-May-22	Molecules, Diet, Transport and Health	Membranes, Proteins, DNA and Gene Expression	Recap	12/05/22	10:00-10:40	
	29	16-May-22	Molecules, Diet, Transport and Health	Membranes, Proteins, DNA and Gene Expression	Recap	19/05/22	10:00-10:40	
	30	23-May-22	Cells, Development, Biodiversity and Conservation	Cell Structure, Reproduction and Development	Recap	26/05/22	10:00-10:40	
Holiday 30/05/21 - 05/06/22								
	31	06-Jun-22	Self directed revision Exam period			09/06/22	10:00-10:40	
	32	13-Jun-22				16/06/22	10:00-10:40	
	33	20-Jun-22				23/06/22	10:00-10:40	
	34	27-Jun-22				30/06/22	10:00-10:40	
	35	04-Jul-22				07/07/22	10:00-10:40	
	36	11-Jul-22				14/07/22	10:00-10:40	
Holiday 18/07/22 -04/09/22								