

**DIVINE INTERNATIONAL ACADEMY**  
**SYLLABUS 2022 – 23**  
**CLASS XII (A+B)**

**Subject: English**

MONTH	MAIN COURSE BOOK (FLAMINGO)	SUPPLEMENTARY READER(VISTAS)	ADVANCED WRITING SKILLS/ ACTIVITY	CLASS TEST DATE
<b>U.T.- 1</b>	<b>REVISION DATE FROM 1<sup>ST</sup> MAY 2022</b>	<b>EXAM DATE – 13/05/2022 TO 25/05/2022</b>	<b>PTM DATE 26/05/2022</b>	
MARCH &	1. The Last Lesson (Prose)	1.The Third Level	1. Notice Writing	
APRIL	1 Lost Spring (Prose).			
MAY		-----		
<b>U.T.- 2</b>	<b>REVISION DATE FROM</b>	<b>EXAM DATE – 11/08/2022 to 22/08/2022</b>	<b>PTM DATE 31/08/2022</b>	
JULY	1.Deep Water 2.My mother at sixty six 3. Lost Spring	1. The Tiger King 2. The Enemy 3. Journey to the End of the Earth	1.Article Writing 1.Job Application	08 July 29 July
AUGUST	1.Rattrap 2. A Thing of Beauty (Poem).	1. Journey to the End of the Earth (Contd.)	Group discussion (All group) 1. InvitationsASL 2. Letter to editor	
<b>TERM - I</b>	<b>REVISION DATE FROM</b>	<b>EXAM DATE – 20/09/2022 to 01/10/2022</b>	<b>PTM DATE 14/10/2022</b>	
SEPTEMBER	1.Indigo 2.Poets and Pancakes		ASL	02 Sep
<b>Syllabus for TERM- I- Flamingo:</b> The Last Lesson, Lost Spring, Deep Water, Rattrap, Keeping Quiet(P), My Mother at 66 (P), A Thing of Beauty (P) <b>Vistas:</b> The Third Level, The Tiger King, The Enemy, Journey to the End of the Earth <b>WRITING SKILLS-</b> Notice Writing, Letter to Editor, Article Writing, Invitation <b>PRACTICAL – ASL</b>				
<b>U.T. - 3</b>	<b>REVISION DATE FROM</b>	<b>EXAM DATE – 21/11/2022 to 26/11/2022</b>	<b>PTM DATE 10/12/2022</b>	
OCTOBER	1. The Interview 2. Aunt Jennifer's Tigers (Poem)		1.Replies to Invitation Project Discussion Quiz ( all group)	10 Oct
NOVEMBER	1.A Roadside Stand 2.Going Places REVISION	1. On the Face of it 2.Memories of Childhood REVISION	Report Writing REVISION PPT – Presentation (All group)	07 Nov.
SAMPLE PAPER	Arihant Chapter wise			
DECEMBER	<b>PRE-BOARD – 1 (07/12/2022 to 19/12/2022) PTM DATE :- 26/12/2022</b>			
<b>Syllabus for Pre Board : Complete Syllabus</b>				
JANUARY	<b>PRE-BOARD – 2 (25/01/2023 to 06/02/2023) PTM DATE – 17/02/2022</b>			

MONTH	LESSONS	ACTIVITIES/ PRACTICALS		Class Test Date
<b>U.T.- 1</b>	<b>REVISION DATE FROM 1<sup>ST</sup> MAY 2022</b>	<b>EXAM DATE – 13/05/2022 TO 25/05/2022</b>	<b>PTM DATE 26/05/0022</b>	
APRIL-MAY	<b>L1:</b> Electric charges and fields. <b>L2:</b> Electrostatic potential and capacitance	<b>A-1:</b> To determine resistivity of two / three wires by plotting a graph for potential difference versus current.		
JUNE	<b>L3:</b> Current Electricity	<b>A-2:</b> To find resistance of a given wire / standard resistor using meter bridge. <b>Act-1:</b> To assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse and a power source.		
<b>U.T.- 2</b>	<b>REVISION DATE FROM</b>	<b>EXAM DATE – 11/08/2022 to 22/08/2022</b>	<b>PTM DATE 31/08/2022</b>	
JULY	<b>L4:</b> Moving charges and magnetism <b>L5:</b> Magnetism and matter	<b>A-3:</b> To determine resistance of a galvanometer by half-deflection method and to find its figure of merit. <b>Act-2:</b> To assemble the components of a given electrical circuit.		18 July
AUGUST	<b>L5:</b> Magnetism and matter <b>L6:</b> Electromagnetic Induction <b>L7:</b> Alternating current	<b>A-4:</b> To convert the given galvanometer (of known resistance and figure of merit) into a voltmeter of desired range and to verify the same. <b>Act-3:</b> To draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram.		08 Aug
<b>TERM - I</b>	<b>REVISION DATE FROM</b>	<b>EXAM DATE – 20/09/2022 to 01/10/2022</b>	<b>PTM DATE 14/10/2022</b>	
SEPTEMBER	<b>L8:</b> Electromagnetic waves <b>L9:</b> Ray optics and optical Instruments	<b>B-1:</b> To find the focal length of a convex lens by plotting graphs between $u$ and $v$ or between $1/u$ and $1/v$ . <b>B-2:</b> To determine refractive index of a glass slab using a travelling microscope.		12 Sep
<b>Syllabus for TERM - I Examination - L1, L2, L3, L4, L5, L6, L7 and L8</b>				
OCTOBER	<b>L9:</b> Ray optics and optical Instruments (cont.) <b>L10:</b> Wave optics <b>L11:</b> Dual nature of radiation and matter	<b>B-3:</b> To draw the I-V characteristic curve for a p-n junction diode in forward bias and reverse bias. <b>Act-4:</b> To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items. <b>B-4:</b> To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.		12 Oct
NOVEMBER	<b>L12:</b> Atoms <b>L13:</b> Nuclei <b>L14:</b> Semiconductor electronics	<b>Act-5:</b> To observe refraction and lateral deviation of beam of light through glass slab. <b>Act-6:</b> To observe diffraction of light due to a thin slit.		
SAMPLE PAPER	Arihant Chapter wise			
DECEMBER	<b>PRE-BOARD – 1 (07/12/2022 to 19/12/2022) PTM DATE :- 26/12/2022</b>			<b>05 Dec</b>
<b>Syllabus for Pre Board : Complete Syllabus</b>				
JANUARY	<b>PRE-BOARD – 2 (25/01/2023 to 06/02/2023) PTM DATE – 17/02/2022</b>			

MONTH	LESSONS	ACTIVITIES/ PRACTICAL'S	CLASS TEST DATE
<b>U.T.- 1</b>	<b>REVISION DATE</b> <b>FROM 1<sup>ST</sup> MAY 2022</b>	<b>EXAM DATE –</b> <b>13/05/2022 TO 25/05/2022</b>	
MARCH	<b>L:02</b> Solutions		
APRIL	<b>L:02</b> Solutions		
MAY	<b>L:03</b> Electrochemistry - I		
JULY	<b>L:03</b> Electrochemistry - II <b>L:04</b> Chemical Kinetics <b>L:08</b> d and f-Block Elements-I	<b>01.</b> Preparation of 250 ml M/20 solution of Mohr's solution. Determination of molarity and strength of KMnO <sub>4</sub> solution using Mohr's salt. <b>02.</b> Preparation of 250 ml M/40 solution of Mohr's solution. Determination of molarity and strength of KMnO <sub>4</sub> solution using Mohr's salt. <b>03.</b> Inorganic salt analysis: [Pb(NO <sub>3</sub> ) <sub>2</sub> , NH <sub>4</sub> Br]	15 July
<b>U.T.- 2</b>	<b>REVISION DATE</b> <b>FROM</b>	<b>EXAM DATE –</b> <b>11/08/2022 to 22/08/2022</b>	<b>PTM DATE</b> <b>31/08/2022</b>
AUGUST	<b>L:08</b> d and f-Block Elements-I <b>L:09</b> Coordination Compounds	04 Inorganic salt analysis: [CaCl <sub>2</sub> , Sr(NO <sub>3</sub> ) <sub>2</sub> , BaCl <sub>2</sub> ] 05 Inorganic salt analysis: [(CH <sub>3</sub> COO) <sub>2</sub> Pb, (NH <sub>4</sub> ) <sub>2</sub> CO <sub>3</sub> , CuSO <sub>4</sub> ]	05 Aug
<b>Syllabus for TERM - I : (L:02, 03, 04, 08, 09, 10)</b>			
<b>TERM - I</b>	<b>REVISION DATE</b> <b>FROM</b>	<b>EXAM DATE –</b> <b>20/09/2022 to 01/10/2022</b>	<b>PTM DATE</b> <b>14/10/2022</b>
SEPTEMBER	<b>L:10</b> Haloalkanes & Haloarenes	<b>06.</b> Inorganic salt analysis: [(NH <sub>4</sub> ) <sub>3</sub> PO <sub>4</sub> , MgSO <sub>4</sub> ]	09 Sep
OCTOBER	<b>L:11</b> Alcohols, Phenols & Ethers <b>L:12</b> Aldehydes, Ketones & Carboxylic acids	07 Inorganic salt analysis: [Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> , ZnCl <sub>2</sub> ] 08 Organic functional group analysis: [Aldehyde, Ketone]	17 Sep
NOVEMBER	<b>L:13</b> Organic Compounds containing Nitrogen <b>L:14</b> Biomolecules	09. Organic functional group analysis: [Alcohol, Phenol] 10. Organic functional group analysis: [Carboxylic acid, Aromatic amine] 11. Organic functional group unsaturation	18 Nov
<b>Syllabus for Pre-Board I: (L:02, 03, 04, 08, 09, 10, 11, 12, 13, 14)</b>			
SAMPLE PAPER	Arihant Chapter wise		
DECEMBER	<b>PRE-BOARD - 1 (07/12/2022 to 19/12/2022) PTM DATE :- 26/12/2022</b>		
<b>Syllabus for Pre Board : Complete Syllabus</b>			
JANUARY	<b>PRE-BOARD - 2 (25/01/2023 to 06/02/2023) PTM DATE - 17/02/2022</b>		

MONTH	LESSONS	ACTIVITIES/ PRACTICAL'S	CLASS TEST DATE
<b>U.T.- 1</b>	<b>REVISION DATE FROM 1<sup>ST</sup> MAY 2022</b>	<b>EXAM DATE – 13/05/2022 TO 25/05/2022</b>	
MARCH	Ch 1: Reproduction in organisms (omitted as per syllabus of 2022-23)		
APRIL	Ch 2: Sexual Reproduction in Flowering Plants Ch 3: Human Reproduction	4. Controlled pollination - emasculation, tagging and bagging	
MAY	Ch 3: Human Reproduction		
<b>U.T.- 2</b>	<b>REVISION DATE FROM</b>	<b>EXAM DATE – 11/08/2022 to 22/08/2022</b>	<b>PTM DATE 31/08/2022</b>
JULY	Ch 4: Reproductive health Ch 5: Principles of inheritance and variation Ch 6: Molecular basis of inheritance	1. Prepare a temporary mount of onion root tip to study mitosis. 2. Flowers adapted to pollination by different agencies (wind, insects, and birds). 3. Pollen germination on stigma through a permanent slide or scanning electron micrograph 4. Controlled pollination - emasculation, tagging and bagging 5. Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc. 6. Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice). 7. T.S. of blastula through permanent slides (Mammalian).	11 July
AUGUST	Ch 6: Molecular basis of inheritance Ch 7: Evolution Ch 8: Human health and disease	11. Meiosis in onion bud cell or grasshopper testis through permanent slides. 12. Mendelian inheritance using seeds of different colour/sizes of any plant. 13. Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.	01 Aug
<b>TERM - I</b>	<b>REVISION DATE FROM</b>	<b>EXAM DATE – 20/09/2022 to 01/10/2022</b>	<b>PTM DATE 14/10/2022</b>
<b>Syllabus for TERM – I : Ch 2, 3, 4, 5, 6, 7</b>			
SEPTEMBER	Ch 8: Human health and disease Ch 10: Microbes in human welfare	14. Common disease causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ringworm through permanent slides, models or virtual images or specimens. Comment on symptoms of diseases that they cause.	06 Sep
OCTOBER	Ch 10: Microbes in human welfare Ch 11: Biotechnology: Principles and processes	15. Models specimen showing symbiotic association in root nodules of leguminous plants, Cuscuta on host, lichens. 16. Flash cards models showing examples of homologous and analogous organs.	14 Oct
NOVEMBER	Ch 12: Biotechnology and its applications Ch 13: Organisms and Populations Ch 14: Ecosystem Ch 15: Biodiversity and conservation	Revision and Journal Completion	11 Nov
<b>Syllabus for Pre-Board I: Ch 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15</b>			
SAMPLE PAPER	Arihant Chapter wise		
DECEMBER	<b>PRE-BOARD – 1 (07/12/2022 to 19/12/2022) PTM DATE :- 26/12/2022</b>		
<b>Syllabus for Pre Board : Complete Syllabus</b>			
JANUARY	<b>PRE-BOARD – 2 (25/01/2023 to 06/02/2023) PTM DATE – 17/02/2022</b>		



Month	Lessons/ Chapters	Activities/ Practical	Class Test Date
U.T.- 1	<b>REVISION DATE FROM 1<sup>ST</sup> MAY 2022</b>	<b>EXAM DATE - 13/05/2022 TO 25/05/2022</b>	
MARCH & APRIL MAY	Unit 1: Management of Sports Events.  Unit5: Sports Nutrition		
U.T.- 2	<b>REVISION DATE FROM</b>	<b>EXAM DATE -</b>	<b>PTM DATE</b>
JULY	Unit 3: Yoga as Preventive measure for Lifestyle Disease. Unit 4: Physical Education & Sports for CWSN	** Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT)* Practice ** Yoga Practice **Skill Practice ** Record File - Ch.1 and Ch.2	22 July
<b>Syllabus for Periodic Test-1 : Unit: 1 ,Unit: 2, Unit:3 &amp; 4</b>			
AUGUST	Unit 2: Children & Women in Sports Unit-6 Test & Measurement	Record File - Ch.3	26 Aug
TERM - I	<b>REVISION DATE FROM</b>	<b>EXAM DATE - 19/09/2022 to</b>	<b>PTM DATE</b>
SEPTEMBER	Unit:7 Physiology & Injuries in Sports	** Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT)* Practice	16 Sep
OCTOBER	Unit:8 Biomechanics & Sports	<b>**Skill Practice</b>	28 Oct.
U.T. - 3	<b>REVISION DATE FROM</b>	<b>EXAM DATE</b>	<b>PTM DATE</b>
NOVEMBER	Unit:9 Psychology in Sports.  Unit:10 Training in Sports.	**Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT)* Practice	
Revision - 21/11/2022 to 05/12/2022 Pre-Board - 07/12/2022			
<b>Syllabus for Pre-board : All Units.</b>			

**CLASS: XII****SUBJECT:- MATHEMATICS**

MONTH	LESSON/CHAPTER	ACTIVITY/PRACTICAL	CLASS TEST DATE
May	ITF , Continuity and differentiability , Revision		
<b>U.T.- 1 (13/05/2022 to 20/05/2022)</b>			
01 July to 10 Aug.	Application of derivatives Integrals, Application of Integrals, Revision	Write all formulas of integrals' on chart paper	11 July & 01 Aug.
<b>U.T.- 2 (11/08/2022 to 22/08/2022)</b>			
12 Aug to 19 Sep	Diff. Equationations , Matrices , Revision	Find area of circle $x^2 + y^2 = 25$ With the help of integrations	06 Sep
<b>Term - 1 (20/09/2022 to 01/10/2022)</b>			
02 Oct. to 20 Nov	Determinates , Vector , 3-D, L.P.P., Revision	Write any 2 examples of L.P.P. of daily life and solve	14 Oct & 11 Nov
<b>U.T.- 3 (21/11/2022 to 26/11/2022)</b>			
22 Nov. to 06 Dec	Probability, Relations and functions, Revision	Write any 1 diff. equation related to population and solve it.	
<b>PRE-BOARD - 1 (07/12/2022 TO 19/12/2022)</b>			
20 Dec to 10 Feb	Revision		

