

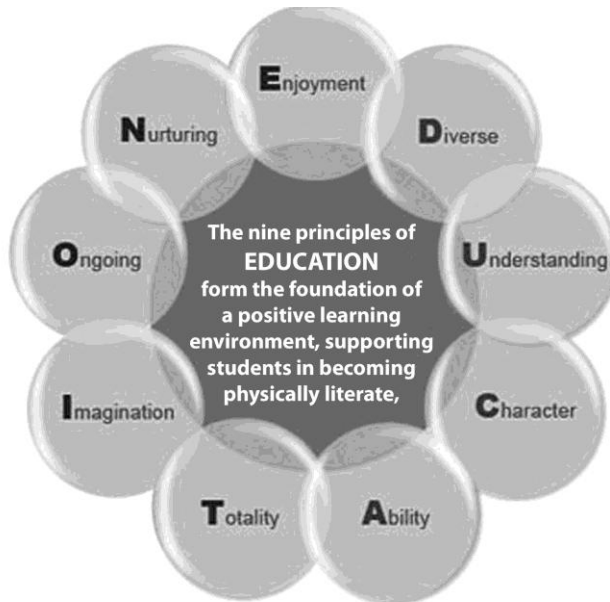


DAV PUBLIC SCHOOLS

ODISHA ZONE – II

SPLIT UP SYLLABUS FOR THE SESSION - 2018-19

CLASS – XII



Managed By:
DAV College Managing Committee, New Delhi

DAV PUBLIC SCHOOLS, ODISHA ZONE -II
EXAMINATION RULES
STD XII

1. There will be Three Unit Tests / Weekly Tests, one Half yearly Examination, two Pre-Board Examinations and one Annual(Board) Examination.
2. The Half Yearly, Pre-Board & Annual Examinations will carry 100 marks including Theory and Practical /Project.

3. Details of Tests/Examinations:-

Sl.no.	Test / Examination	Tentative Dates
1	Unit Test - I	25.06.18 - 02.07.18
2	Unit Test - II	03.08.18 – 10.08.18
3	Unit Test - III	08.11.18 – 17.11.18
4	Half Yearly Examination	20.09.18 – 03.10.18
5	Pre-Board-I	01.12.18 -14.12.18
6	Pre-Board-II	03.01.19 – 17.01.19

4. The dates for Tests and Examination have been fixed by the Examination Committee of the Zone after considering all aspects. However, they may change in certain unavoidable circumstances.
5. Minimum 75% attendance is a pre-requisite criterion for appearing the Annual Examination.
6. It is mandatory for a student to appear in all the school based theory and practical examinations. In case of sickness during tests or examination days, immediate information must be sent through application with medical certificate to the Principal.
7. The performance of a student in different subjects will be reflected in terms of Marks as well as Grades (9- Point Scale) in the Report Card/Mark sheet.

9- Point Scale

Grade	A1	A2	B1	B2	C1	C2	D1	D2	E
Marks Range	Top 1/8 th of the passed candidates	Next 1/8 th of the passed candidates	Next 1/8 th of the passed candidates	Next 1/8 th of the passed candidates	Next 1/8 th of the passed candidates	Next 1/8 th of the passed candidates	Next 1/8 th of the passed candidates	Next 1/8 th of the passed candidates	Failed candidates

8. In order to be declared as having passed the Class XII Examination, a candidate shall obtain 33% marks in all the five subjects. The pass mark in each subject of examination shall be 33%. In case of subjects involving practical work ,a candidate must obtain 33% marks in theory and 33% in practical separately in addition to 33% marks in aggregate in order to qualify in that subject.
9. A candidate failing in one of the five subjects shall be placed in compartment category in that subject and has to obtain pass mark in that subject in Compartment Examination.
10. If a candidate having 6 subjects fails in only one subject in the Annual Examination ,he / she will be declared pass with the failed subject as his/her sixth subject. He/she can pass in the failed subject in compartment examination.
11. The performance of a student in Internal Assessment in the activities i.e. (a) General Studies (b) Work Experience (c) Physical and Health Education ,will be assessed by the class teacher by maintaining cumulative records of a student's periodical achievements and progress during the year and will be reflected in terms of Grades (9 Point) in the Report Card/Mark sheet.

SPLIT-UP OF SYLLABUS 2018-19

Class: XII Books Prescribed

English

1: Flamingo: English Reader (NCERT)

2: Vistas: Supplementary Reader (NCERT)

3: The Invisible Man by H. G. Wells (OR) Silas Marner by George Eliot

MONTH	CHAPTERS/TOPIC TO BE TAUGHT	MARK DIST. FOR HALF YEARLY, PRE BOARD & BOARD EXAMINATIONS
MARCH	<p>Reading Unseen Passage for comprehension Note making & Summarizing</p> <p>Writing Notice</p> <p>Literature Flamingo My Mother at Sixty-Six The Last Lesson</p> <p>Vistas The Tiger King</p> <p>Novel Chap-1,2,3,4,5,6,7</p>	<p align="center"><u>SECTION-A</u> READING-30MARKS</p> <p align="center"><u>SECTION-B</u> WRITING SKILLS- 30MARKS</p> <p align="center"><u>SECTION-C</u> LITERATURE-40 MARKS</p>
APRIL	<p>Reading Note making & Summarizing</p> <p>Writing Advertisement Report writing</p> <p>Literature Flamingo Lost Spring An Elementary School Classroom in a Slum</p> <p>Vistas The Enemy</p> <p>Novel Chap-8,9,10,11,12</p>	
JUNE (Unit Test-I)	<p>Reading Unseen passage for comprehension</p> <p>Writing poster designing</p> <p>Literature Flamingo Deep Water</p>	
JULY (Weekly Test-I)	<p>Reading Note making & Summarizing</p> <p>Writing</p>	

	<p>Article writing Official Letter Literature Flamingo The Rattrap Keeping Quiet</p> <p>Novel Chap-13,14,15,16</p>	
AUG (Unit Test-II/ Weekly Test-II)	<p>Reading Unseen passage for Comprehension Writing Letters to Editor Speech Literature Flamingo: Indigo Vistas: Should Wizard Hit Mommy On the Face of It Novel: Chap-17,18,19,20</p>	<p><u>QUESTION PATTERN FOR HYL/PBs/BOARD SECTION-A (READING) 30 MARKS</u></p> <p>1.MCQ 6x1=06 Marks 2.VSA 16X1=16 Marks 3.SA (Note making 80-100words) 05 Marks 4.LA-1 (Summarizing 80 words) 03 Marks</p> <p><u>SECTION-B (WRITING SKILLS) 30 MARKS</u></p> <p>1.SA (Notice/Advertisement/Poster/Invitation 50 words)04 Marks 2. LA-2(Letters based on verbal/visual input 120- 150 words)06 Marks 3.VLA (Article/Speech/Debate 150-200 words)10 Marks 4.VLA (Article/Speech/Debate 150-200 words)10 Marks</p> <p><u>SECTION-C (LITERATURE) 40 MARKS</u></p> <p>1. VSA (One out of two extracts) 4x1=04Marks 2. SA (Four questions from prose & Poetry) 4X3=12 Marks 3. LA-2 (120-150 words)4X6=24 Marks</p>
SEPT	<p>Reading Note making & Summarizing Revision and HALF YEARLY EXAMINATION</p>	
OCT	<p>Reading Unseen passage for comprehension Note making &Summarizing Writing Formal & Informal Invitation &replies Job Application Literature Flamingo: A Thing of Beauty Going Places Vistas: Memories of Childhood Novel: Chap-21,22,23,24</p>	
NOV (Unit Test-III/ Weekly Test-III)	<p>Reading Unseen passage for comprehension Note making &Summarizing Writing Business Letters Literature Flamingo: Aunt Jennifer's Tigers Vistas: Evans Tries an O – Level Novel: Chap-25,26,27 & 28 Revision</p>	

DEC	PRE-BOARD-I REVISION FOR PRE-BOARD-II	
JAN	PRE-BOARD-II	
FEB	REVISION	
MARCH	BOARD EXAMINATION	

SPLIT-UP OF SYLLABUS 2018-19

CLASS: XII

SUB: Chemistry (043)

Text Book Prescribed: Text Book for class-XII Chemistry (Part-I, II) (NCERT)

MONTH	CHAPTERS/TOPIC TO BE TAUGHT	CHAPTER WISE WEIGHTAGE		
		HALF YEARLY	PRE BOARD/ ANNUAL	
MARCH-APRIL (WEEKLY TEST-I)	Unit-I: Solid state	06	Unit-I Unit-II Unit-III Unit-IV Unit-V	23
	Unit-II: Solution	08		
	Unit-III: Electrochemistry	08		
JUNE	UNIT TEST-I			
	Unit-IV: Chemical Kinetics	08		
JULY (WEEKLY TEST-II)	Unit-V: Surface Chemistry	06		
	Unit-X: Haloalkanes/Haloarenes	06		
	Unit-XI: Alcohols, Phenols & Ethers	06		
AUGUST (WEEKLY TEST-III)	UNIT TEST-II		Unit-VI Unit-VII Unit-VIII Unit-IX	19
	Unit-XII: Aldehydes, Ketones & Carboxylic acid	08		
	Unit-XIII: Amines	05		
	Unit-XIV: Biomolecules	05		
SEPTEMBER	Unit-VI :General principles & processes of isolation of elements	4		
	REVISION FOR HALF YEARLY EXAMINATION		Total: 70	
OCTOBER	Unit-XVI: Chemistry in Everyday Life		Unit-X Unit-XI Unit-XII Unit-XIII Unit-XIV Unit-XV Unit-XVI	28
	Unit-XV: Polymers			
	Unit-VII: P-Block elements			
NOVEMBER	UNIT TEST-III			
	Unit-VIII: d & f-Block elements			
	Unit-IX: Co-ordination compounds			
REVISION FOR PRE-BOARD-I				
DECEMBER	1ST PRE BOARD EXAMINATION			Total: 70
JANUARY	2ND PRE BOARD EXAMINATION			Total: 70

N.B.: The school may conduct either unit tests or weekly tests.

QUESTION PATTERN

TYPE OF QUESTION(S)	MARK(S) PER QUESTION	TOTAL NO. OF QUESTIONS	TOTAL MARKS
VSA	1	5	05
SA-I	2	7	14
SA-II	3	12	36
LA	5	3	15
Total:		27	70

NB.: There is no overall choice in the paper. However, there is an internal choice in one question of 2 marks weightage, one question of 3 marks weightage and all the three questions of 5 marks weightage

CHEMISTRY (PRACTICAL)

MAX. MARKS: - 30

60 PERIODS

TIME: 3 HRS

SL NO.	MONTH	DETAILS OF THE EXPERIMENTS TO BE PERFORMED
1	April/June	<ul style="list-style-type: none">▪ QUALITATIVE ANALYSIS: Determination of one cation one anion in the given salt
2	July	<ul style="list-style-type: none">▪ Determination of concentration / molarity of KMnO_4 solution by titrating it against a standard solution of (a) oxalic acid (b) Ferrous ammonium sulphate
3	Aug.	<ul style="list-style-type: none">▪ Test for the functional groups present in the organic compounds▪ Preparations of Organic compounds▪ Surface Chemistry
4	Sep.	HALF YEARLY EXAMINATION
		<ul style="list-style-type: none">▪ Test for carbohydrates, fats and proteins in pure samples and detection in given food stuffs.▪ Chromatography
5	Oct.	<ul style="list-style-type: none">▪ Preparation of Inorganic compounds▪ Chemical Kinetics
6	Nov.	<ul style="list-style-type: none">▪ Thermo chemistry▪ Electro chemistry
7	Dec.	1ST PRE-BOARD EXAMINATION

N.B: Project (Scientific Investigation involving laboratory testing and collecting information from other sources.) Any investigatory project, which involves about 10 periods of work, can be chosen with the approval of the teacher.

EVALUATION SCHEME FOR PRACTICAL EXAMINATION

SL.NO	EVALUATION SCHEME FOR PRACTICAL EXAMINATION	MARKS
1	Volumetric Analysis	08
2	Salt Analysis	08
3	Content based Experiment	06
4	Project work	04
5	Class record and viva	04
Total:		30

SPLIT-UP OF SYLLABUS 2018-19

CLASS: XII

SUB: Physics (042)

BOOKS PRESCRIBED: Text Book of Physics, NCERT, CLASS—XII

MONTH	CHAPTER/TOPIC TO BE TAUGHT	PERIODIC EXAMINATION (Either of these two)		CHAPTER WISE WEIGHTAGE	
		Weekly Test	Unit Test	HALF YEARLY	PREBOARD/ ANNUAL
MARCH	Ch-01 Electric charges and fields	Date : 19.06.2018		22	15
APRIL	Ch-02-Electrostatic potential and capacitance				
APRIL	Ch -03- Current electricity	Date : 30.07.2018		24	16
JUNE JULY	Ch-04 –Moving charges and Magnetism				
	Ch -05-Magnetism and Matter				
	Ch-06-Electricomagnetic Induction				
	Ch-07-Alternating Current				
AUGUST	Ch-08-Electromagnetic Waves	Date : 10.09.2018		24	17
	Ch -09 –Ray optics and Optical Instrument				
	Ch -10 -Wave optics				
SEPTEMBER	RIVISION AND HALF YEARLY EXAMINATION			TOTAL =70	
OCTOBER	Ch-11-Dual Nature of Radiation and Matter	Date : 12.11.2018			10
	Ch-12-Atoms				
	Ch -13 Nuclei				
	Ch-14-Semiconductor and device (partly)				
NOVEMBER	Ch-14-Semiconductor Electronic: Materials ,Devices and Simple Circuits (Remaining part)				12
	Ch -15-Communication System				
	RIVISION FOR PRE BOARD –I EXAMINATION				
DECEMBER	PRE BOARD –I EXAMINATION				
JANUARY	PRE BOARD –II EXAMINATION				

N.B: Weekly unit test will be held on Mondays

QUESTION PATTERN

TYPE OF QUESTIONS	MARK(S) PER QUESTION	TOTAL NO OF QUESTIONS	TOTAL MARKS
VSA	01	05	05
SA-I	02	07	14
SA-II	03	12	36
LA	05	03	15
	Total:	27	70

PRACTICAL SYLLABUS

At least 6 experiment must be performed from each group and in total one student have to perform at least 15 experiment from both the section.

Two experiments(One from each section)	:	8 + 8 marks
Practical Record(Experiments & Activities)	:	6 marks
Investigatory Project	:	3 marks
Viva on Experiments and Project	:	5 marks
Total	=	30 marks

SECTION A

SI.NO.	MONTH	DETAILS OF THE EXPERIMENTS TO BE PERFORMED
1	April	1. To find the resistance of a given wire Using a metre bridge & hence determine the specific resistance of its material. 2. To determine resistance per cm of a given wire by plotting a graph between potential difference & current 3. To verify the laws of combination (series) of resistances using a metre bridge 4. To verify the laws of combination (parallel) of resistances using a metre bridge 5. To compare the EMF of two given primary cells using potentiometer. 6. To determine the internal resistance of a given primary cell using potentiometer. 7. To determine the resistance of a galvanometer by half –deflection method & to find its figure of merit 8. To convert the given galvanometer (of known resistance and figure of merit) into a voltmeter of desired range and to verify the same 9. To convert the given galvanometer (of known resistance and figure of merit) into an ammeter of desired range and to verify the same. 10. To find the frequency of AC mains with a sonometer. (Minimum 6 experiments to be performed in scheduled time)
2	April	
3	April	
4	June	
5	July	
6	July	
7	July	
8		
9		
10		

N.B: At least 6 experiment must be performed from this group .

Any of experiment SI .No 1 to 7 can be replaced by SI .No 8 to 10 depending on suitability of school

SECTION A

Activities (For the purpose of demonstration only)

1. To measure the resistance and impedance of an inductor with or without iron core.
2. To measure resistance, voltage (AC/DC), current (AC) and check continuity of a given circuit using multimeter.
3. To assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse and a power source.
4. To assemble the components of a given electrical circuit.
5. To study the variation in potential drop with length of a wire for a steady current.
6. 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.

N.B: At least 2 activity must be demonstrated from this group

SECTION B

SI.NO.	MONTH	DETAILS OF THE EXPERIMENTS TO BE PERFORMED
8	July	1. To find the value of 'v' for different values of 'u' in case of a concave mirror and to find the focal length. 2. To find the focal length of a convex mirror using a convex lens.
9	August	3. To find the focal length of a convex lens by plotting graphs between u & v OR 1/u & 1/v.
10	August	4. To find the focal length of a concave lens, using a convex lens.
11	August	5. To determine the angle of minimum deviation for a given prism by plotting a graph between angle of incidence & angle of deviation.
12	August	6. To determine the refractive index of a glass slab using a travelling microscope. 7. To find the refractive index of a liquid by using convex lens & plane mirror.
13	October	8. To draw the I-V Characteristics curve of a p-n junction in forward bias & reverse bias.
14	October	9. To draw the characteristic curve of a zener diode and to determine its reverse break down voltage 10. To study the characteristic of a common - emitter npn or pnp transistor and to find out the values of current and voltage gains.
15	November	(Minimum 6 experiments to be performed in scheduled time)
16		
17		

N.B: At least 6 experiment must be performed from this group. Any of experiment SI .No 8 to 15 can be replaced by SI .No 16 or 17 depending on suitability of school

SECTION B

Activities *(For the purpose of demonstration only)*

1. To identify a diode, an LED, a transistor, an IC, a resistor and a capacitor from a mixed collection of such items.
 2. Use of multimeter to (i) identify base of transistor, (ii) distinguish between npn and pnp type transistors, (iii) see the unidirectional flow of current in case of a diode and an LED, (iv) check whether a given electronic component (e.g., diode, transistor or IC) is in working order.
 3. To study effect of intensity of light (by varying distance of the source) on an LDR.
 4. To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab.
 5. To observe polarization of light using two Polaroids.
 6. To observe diffraction of light due to a thin slit.
 7. To study the nature and size of the image formed by a (i) convex lens, (ii) concave mirror, on a screen by using a candle and a screen (for different distances of the candle from the lens/mirror).
 8. To obtain a lens combination with the specified focal length by using two lenses from the given set of lenses.
- N.B: At least 2 activity must be demonstrated from this group

Suggested Investigatory project

1. To study various factors on which the internal resistance/EMF of a cell depends.
2. To study the variations in current flowing in a circuit containing an LDR because of a variation in (a) the power of the incandescent lamp, used to 'illuminate' the LDR (keeping all the lamps at a fixed distance). (b) the distance of a incandescent lamp (of fixed power) used to 'illuminate' the LDR.
3. To find the refractive indices of (a) water (b) oil (transparent) using a plane mirror, an equi convex lens (made from a glass of known refractive index) and an adjustable object needle.
4. To design an appropriate logic gate combination for a given truth table.
5. To investigate the relation between the ratio of (i) output and input voltage and (ii) number of turns in the secondary coil and primary coil of a self designed transformer.
6. To investigate the dependence of the angle of deviation on the angle of incidence using a hollow prism filled one by one, with different transparent fluids.
7. To estimate the charge induced on each one of the two identical styrofoam (or pith) balls suspended in a vertical plane by making use of Coulomb's law.
8. To set up a common base transistor circuit and to study its input and output characteristic and to calculate its current gain.
9. To study the factor on which the self inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C. source of adjustable frequency.
10. To construct a switch using a transistor and to draw the graph between the input and output voltage and mark the cut-off, saturation and active regions.
11. To study the earth's magnetic field using a tangent galvanometer

N.B: The record to be submitted by the students at the time of their annual examination has to include: Record of at least 15 Experiments [with a minimum of 6 from each section], to be performed by the students. Record of at least 5 Activities [with a minimum of 2 each from section A and section B], to be demonstrated by the teachers. The Report of the project to be carried out by the students

SPLIT-UP OF SYLLABUS 2018-19

CLASS: XII

SUB: Mathematics (041)

BOOKS PRESCRIBED: 1. MATHEMATICS TEXT BOOK FOR CLASS – XII (PART- I & II) (NCERT)
2. MATHEMATICS (EXAMPLAR PROBLEMS) (NCERT)

	MONTH	CHAPTERS/TOPICS TO BE TAUGHT	CHAPTERWISE WEIGHTAGE	
			Half Yearly	Pre Board/ Annual
UNIT TEST – I	MARCH	Ch – 1: Relations & Functions	10	10
	APRIL	Ch – 2: Inverse Trigonometric Functions.	08	
			CH – 3 & 4: Matrices & Determinates	14
	JUNE	Ch – 5: Continuity & Differentiability	14	44
UNIT TEST– II	JULY	Ch – 6: Applications of Derivatives	16	
		Ch – 7: Integrals	20	
	AUGUST	Ch – 8: Application of Integrals	06	
		Ch – 9: Differential Equation	12	
	SEPTEMBER	REVISION FOR HALF YEARLY EXAMINATION	Total: 100	
UNIT TEST– III	OCTOBER	Ch – 10: Vector Algebra		17
		Ch – 11: Three-Dimensional Geometry		
		Ch – 12: Linear Programming		06
	NOVEMBER	Ch – 13: Probability		10
		Revision for PRE BOARD EXAMINATION		
	DECEMBER	PRE BOARD – I		
	JANUARY	PRE BOARD – II		
			Total:	100

QUESTION PATTERN

TYPE OF QUESTION(S)	MARK(S) PER QUESTION	TOTAL NO. OF QUESTIONS	TOTAL MARKS
VSA	1	4	4
SA	2	8	16
LA-I	4	11	44
LA-II	6	6	36
Total:		29	100

BLUE PRINT OF QUESTION PAPER- HALF YEARLY EXAMINATION

Sl. No.	Topic	1 Mark	2 Marks	4 Marks	6 Marks	TOTAL
1	Relation & Function	1	1	-	1	9
2	Inverse Trigonometric Function.	-	2	1	-	08
3	Matrix & Determinates	2	1	1	1	14
4	Continuity & Differentiability	-	1	3	-	14
5	Applications of Derivatives	-	1	2	1	16
6	Integrals	1	1	3	1	21
7	Application of Integrals	-	-	-	1	6
8	Differential Equation	-	1	1	1	12
	Total:	1×4=4	2×8=16	4×11=44	6×6=36	100

NB.: Blue Print of Question Papers for Pre-Board and Annual Examination will be as per **CBSE** guidelines.

WEIGHTAGE TO LEARNING OBJECTIVES

SL. NO	Typology of Question	VSA (1 Mark)	SA (2 Marks)	LA -I (2 Marks)	LA -II (2 Marks)	Marks	Weightage
1	Remembering	2	2	2	1	20	20%
2	Understanding	1	3	4	2	35	35%
3	Application	1	-	3	2	25	25%
4	HOTS	-	3	1	-	10	10%
5	Evaluation	-	-	1	1	10	10%
	Total	1×4=4	2×8=16	4×11=44	6×6=36	100	100%

SPLIT-UP OF SYLLABUS 2018-19

CLASS: XII

SUB: BIOLOGY (044)

TEXT BOOK PRESCRIBED: 1. Text book for Class XII, BIOLOGY, NCERT

2. Comprehensive practical

MONTH	CHAPTERS/TOPIC TO BE TAUGHT	CHAPTER WISE WEIGHTAGE	
		HALF YEARLY	ANNUAL
March	UNIT-VI : Reproduction CH-1:Reproduction in organisms CH-2: Sexual reproduction in flowering plants	16	14
April	UNIT-VI : Reproduction Ch – 3 : Human Reproduction Ch – 4 : Reproductive Health		
May	Unit – VII : Genetics and Evolution CH – 6 : Molecular basis of Inheritance .	15	18
June (W.T.- I)	Ch – 7 : Evolution		

July (W.T.- II)	Unit – VIII : Biology in Human Welfare Ch – 8 : Human Health and Diseases Ch – 9 : Strategy for Enhancement in Food Production. Ch - 10 : Microbes in Human Welfare	22	14
August (W.T.- II/ U.T.- II)	UNIT-IX : Biotechnology and its application CH – 11 : Biotechnology Principles and Processes CH – 12 : Biotechnology and its Application	17	10
September	Revision for HALF YEARLY EXAMINATION	Total:70	
October (W.T.- III)	UNIT – X : Ecology and Environment CH – 13 : Organisms and Population CH – 14 : Ecosystem		
November (U.T.- III)	UNIT – X : Ecology and Environment CH – 15 : Biodiversity and Conservation CH – 16 : Environmental Issues Revision for Pre-Board – I		14
December	Pre-Board – I		
January	Pre-Board – II	Total	70

QUESTION PATTERN

TYPE OF QUESTIONS	MARK(S) PER QUESTION	TOTAL NO OF QUESTIONS	TOTAL MARKS
VSA	01	05	05
SA-I	02	07	14
SA-II	03	12	36
LA	05	03	15
	Total:	27	70

Blueprint (Half-yearly)

Sl no	Contents unit/forms of questions	VSA(1)	SA-1(2)	SA-2(3)	LA(5)	Total marks
1	Unit VI; Reproduction	1x2=2 Ch-1,2	2x1=2 Ch - 2	3x4=12 Ch2,3,4	--	16
2	Unit-VII Genetics and Evolution	1x1=1 Ch-6	-----	3x3=9 Ch-5,6,9	1x5=5 Ch-6	15
3	Unit-VIII : Biology in Human welfare	1x2=2 Ch-9	2x3=6 Ch-8,10	3x3=09 Ch-8,9,10	1x5=5 Ch-9	22
4.	Unit – IX : Biotechnology	--	2 x 3 = 6 Ch –11, 12	3x2=6 Ch 11,12	1x5=5 Ch-12	17
	Total	1x5=5	2x7=14	3x12=36	5 x3=15	70

Weightage to content / subject units

Unit	Title	Marks
VI	Reproduction	14
VII	Genetics and Evolution	18
VIII	Biology and Human welfare	14
IX	Biotechnology and its application	10
X	Ecology and Environment	14
Total :		70

PRACTICAL SYLLABUS

Subject : Biology Practical Std – XII

Max. Mark : 30

Time : 3 Hrs

60 periods

Section	Experiment	Mark
A	One major experiment	5
	One minor experiment	4
B	Slide preparation.	5
C	Spotting	7
D	Practical record + viva-voice	4
E	Project + viva-voice	5
Total		30

Biology Practical (Class-XII)

Sl.No.	Month	Details of the experiments to performed	Details of the spottings to performed
1	April	1. Study of pollen germination on a slide	1. Flowers adapted to pollination by different species (Wind, insects)
2	June	2 . Collect and study soil from atleast two different soils and study them for texture, moisture content, pH and water holding capacity of soil. Correlate with the kinds of plant found in them.	2. Pollen germination in stigma through a permanent slide 3. Identification of stages of gamete development i.e. T.S. of Testis and T.S. of Ovary through permanent slides (Grasshopper / mice)
3	July	3. Collect water from two different water bodies around you and study them for pH, clarity and presence of any living organism 4. Study the presence of suspended particulate matter at two widely different sites.	4. Meiosis in onion bud cell or grasshopper testes through permanent slides. 5. T.S. of blastula through permanent slides(mammalian)
4	Aug	5. Study of plant population density by quadrat method 6. Study of plant population frequency by quadrat method	6. Mendelian inheritance using seeds of different colours / sizes of any plant.
5.	Sep	7. Prepare a temporary mount of onion root tip to study mitosis	7. Study of 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. 8. Exercise on controlled pollination – emasculation, tagging and bagging
6.	Oct	8. Study the effect of different temperature and three different pH on the activity of salivary amylase on starch.	9. Identification of common disease causing organism like Ascaris, Entamoeba, Plasmodium, ring worm through permanent slides or specimens .Comment on symptoms of disease that they cause
7	Nov	9.Isolation of DNA from plant materials such as spinach ,Green pea seed , Papaya etc	10. Two plants and two animals found in Xeric conditions .Comment upon their morphological adaptations 11.Two plants and two animals found in aquatic conditions. Comment upon their morphological adaptations

SPLIT UP SYLLABUS 2018-19

CLASS: XII (Theory)- C++

SUB: Computer Science (083)

Maximum Marks: 70

Books Prescribed: 01. Bugs And Bytes – A Book on Computer Science-XII Published By DAVCMC
02. Computer Science with C++ by Sumita Arora, Dhanpat Rai & Co
03. C++ Programming by Reeta Sahoo, Published by Rachna Sagar
04. All in One-Computer Science CBSE Class 12th by Mini Goyal & Er. Harshit Garg, Publisher- Arihant Prakashan, Meerut

PERIODIC EXAMINATION (Either of these two)		Months	Chapters / Topics to be Taught	Chapter Wise Weightage	
				Half Yearly	Pre Board/ Annual
UNIT TEST- I Dt.30.06.18	WEEKLY TEST- I Dt.02.07.18	Mar.	1. C++ Revisions Tour, 2. OOP Concept, 3. Function Overloading	14	09
		Apr.	4. Classes and Objects 5. Constructors and Destructors	06 07	04 05
		Jun.	6. Inheritance 13. Boolean Algebra	07 10	04 08
UNIT TEST- II Dt.04.08.18	WEEKLY TEST- II Dt.13.08.18	Jul.	8. Pointer 7. Data File Handling 11. Database Concepts	03 08 05	02 06 02
		Aug.	9. Data Structure -Array 12. SQL	10 ----	08 06
		Sep.	Revision for HALF YEARLY EXAMINATION	Total: 70	----
UNIT TEST- III Dt.09.11.18	WEEKLY TEST- III Dt.05.11.18	Oct.	10. Linked Lists, Stacks, Queues	----	06
		Nov.	14. Communication Technologies REVISION FOR PREBOARD-I	----	10
		Dec.	PRE BOARD – I , REVISION FOR PREBOARD-II	----	----
		Jan.	PRE BOARD – II	----	----
				Total:	70

Question Pattern

Q. NO.	NO. OF QUESTIONS				TOTAL
	1 MARK	2MARK	3 MARK	4 MARK	
1	01	04	01	00	12
2	00	02	00	02	12
3	00	02	02	01	14
4	01	01	01	00	06
5	00	02	00	01	08
6	01	02	01	00	08
7	00	03	00	01	10
Total:					70

N.B.: Weekly Tests will be held on Mondays.

Class XII (Practical) – C++ Maximum Marks: 30

Evaluation Scheme for Practical Examination

SL. No	EVALUATION SCHEME FOR PRACTICAL EXAMINATION	MARKS
1	<p>One programming problem in C++ to be developed and tested in Computer during the examination. Marks are allotted on the basis of following:</p> <ul style="list-style-type: none"> • Logic : 6 Marks • Documentation/Indentation : 2 Marks • Output presentation : 2 Marks <p>Notes: The type of problem to be given will be of application type from the following topics</p> <ul style="list-style-type: none"> • Arrays (One dimensional and two dimensional) • Class(es) and objects • Stack using arrays or linked implementation • Queue using arrays(circular) and or linked implementation • Binary File Operation (Creation, Displaying, Searching and modification) • Text file operations (Creation, Displaying and modification) 	10
2	<p>SQL Commands</p> <ul style="list-style-type: none"> • Five Query questions based on a particular Table/ Reaction to be tested practically on Computer during the examination. The command along with the result must be written in the answer sheet. 	05
3	<p>Project work – The project has to be developed in C++ Language with Object Oriented Technology and also should have use of Data Files.</p>	05
4	<p>Practical File- Must have minimum 20 programs of C++ and 15 SQL commands along with the output based on any Table.</p>	06

SL NO.	PROGRAMS AND SQL COMMANDS TO BE TYPED AND TESTED IN COMPUTER	
1.	Arrays (One dimensional and two dimensional, sorting, searching, merging, deletion and insertion of elements)	
2.	Class(es) and Objects	
3.	Stack using arrays (linear and circular) and linked implementation	
4.	File (Binary and Text) operations (Creation, Updation, Query)	
5.	Any computational Based problems	
6.	15 SQL commands along with the output based on any table/relation	
5	Viva Voce- Viva will be asked from Syllabus covered in Class-XII and the project developed by student.	04
Total:		30

SPLIT-UP OF SYLLABUS 2018-19

CLASS: XII (048)

SUB: Physical Education

BOOKS PRESCRIBED: Health & Physical Education (Goyal Publication)

	MONTH	CHAPTERS/TOPICS TO BE TAUGHT	MARK DIST.FOR HALF YEARLY EXAMINATION	MARK DIST.FOR ANNUAL EXAMINATION
Unit test-I	MARCH	Unit 01:Planning in sports	08	06
	APRIL	Unit 02 : Sports & Nutrition	07	06
		Unit 03 : Yoga & Life Style	08	06
	JUNE	Unit 04 : Physical Education & Sports for CWSN (Children With Special Needs- Divyang)	07	06
Unit test-II	JULY	Unit 05 : Children & Sports	08	05
		Unit 06 : Women & Sports	07	05
Unit 07 : Test & Measurement in Sports		09	06	
	AUGUST	Unit 08 : Physiology & Sports Unit 09 : Sports Medicine	08 08	06 06
	SEPT	REVISION FOR HALF YEARLY EXAMINATION	Total : 70	
Unit test-III	OCT	Unit 10 : Kinesiology, Biomechanics & Sports		06
	NOV	Unit 11 : Psychology & Sports		06
		Unit 12 : Training in Sports		06

		REVISION FOR PRE BOARD EXAMINATION		
	DEC	PREBOARD-I		
	JAN	PREBOARD-II		
		TOTAL		70

QUESTION PATTERN (HALF YEARLY / PRE BOARD)

TYPE OF QUESTION(S)	MARK(S) PER QUESTION	TOTAL NO. OF QUESTIONS	TOTAL MARKS
VSA	01	11	11
SA	03	08	24
LA	05	07	35
	Total:	26	70

PHYSICAL EDUCATION (PRACTICAL)

Max. Marks: 30

60 periods

Time: 3 hrs.

SL NO.	PRACTICALS TO BE CONDUCTED	MARK
1	Physical Fitness-AAHPER	10
2	Skill of any one Team game of choice from the given list ***	10
3	Viva	5
4	Record File	5

Athletics, Basketball, Football, Handball, Hockey, Kho-Kho, Rifle Shooting, Volleyball and unified Basketball [CWSN(Children With Special Needs- Divyang)]

Record File shall include:

Practical-1: Modified AAPER administration for all items.

Practical-2: Conduct Barrow 3 item Test on 10 students.

Practical-3: Procedure for Asanas, Benefits and Contraindication for any two Asanas for each lifestyle disease.

Practical-4: Procedure for administering Senior Citizen Fitness Test for 5 elderly family members.

Practical-5 Any one game of your choice out of the list above. Labelled diagram of field and equipment (Rules, Terminologies and Skills).

N.B.: Unit / Weekly test will be held on Mondays

SPLIT-UP OF SYLLABUS 2018-19

CLASS: XII

SUB: Business Studies (054)

BOOKS PRESCRIBED : 1. Business studies Part-I (NCERT)

2. Business studies Part-II (NCERT)

UNIT TEST-I	MONTH	CHAPTERS/TOPICS TO BE TOUGHT	CHAPTER WISE WEIGHTAGE	
			HALF YEARLY	PRE BOARD/ ANNUAL
UNIT TEST -II	MARCH	Ch-1: Nature and significance of management Ch-2: Principles of management.	27	16
	APRIL	Ch-3: Business Environment Ch-4: Planning		
	JUNE	Ch-5: Organizing	20	14
UNIT TEST -III	JULY	Ch-6: Staffing Ch-7: Directing	33	20
	AUGUST	Ch-8: Controlling		
	SEPTEMBER	REVISION FOR HALF YEARLY EXAMINATION Ch-9: Financial management	Total: 80	50
UNIT TEST -III	OCTOBER	Ch-10: Financial markets	-	15
		Ch-11: Marketing management		
	NOVEMBER	Ch-12: Consumer Protection	-	20
		Practical with Project Work One project (As per CBSE guidelines) <i>Revision for Pre-Board – I</i>		
DECEMBER	PRE BOARD - I			
JANUARY	PRE BOARD - II			
				100

QUESTION PATTERN (HALF-YEARLY/PRE-BOARD/ANNUAL)

TYPE OF QUESTION(S)	MARK(S) PER QUESTION	TOTAL NO. OF QUESTIONS	TOTAL MARKS
VSA	1	8	8
SA – I	3	5	15
SA – II	4	6	24
LA – I	5	3	15
LA - II	6	3	18
THEORY			
TOTAL:			
PROJECT WORK			
EVALUATION/ASSESSMENT:			
One project as per CBSE guidelines.		25	80
TOTAL:			100

BLUE PRINT (HALF-YEARLY)

SL. NO	CONTENTS UNIT / FORMS OF QUESTIONS	VSA (1)	SA-1 (3)	SA-2 (4)	LA-1 (5)	LA-2 (6)	TOTAL MARKS
1	Nature and significance of management	2	-	1	1	-	11
2	Principles of management	-	2	1	-	-	10
3	Business environment	2	-	1	-	-	06
4	Planning	-	1	1	-	-	07
5	Organizing	2	-	-	1	1	13
6	Staffing	1	1	1	1	-	13
7	Directing	1	1	1	-	1	14
8	controlling	-	-	-	-	1	6
Total:		1(8)=8	3(5)=15	4(6)=24	5(3)=15	6(3)=18	80

N.B.: Blue Print of Question Papers for Pre-Board and Annual Examination will be as per CBSE guidelines

SPLIT-UP OF SYLLABUS 2018-19

CLASS: XII (Commerce)

SUB: Accountancy (Code No.055)

**TEXT BOOKS PRESCRIBED: 1. Accountancy Part-I (NCERT)
2. Accountancy Part-II (NCERT)**

	MONTH	CHAPTERS/TOPICS TO BE TAUGHT	CHAPTER WISE WEIGHTAGE	
			HALF YEARLY	PRE BOARD/ ANNUAL
UNIT TEST – I	MARCH	Part A:Accounting for not for profit organization and Partnership Firm and companies.		
		Ch.1 Not for profit organization Ch. 2 Accounting for partnership firm – (Fundamentals)	12 12	10 10
	APRIL	Goodwill : Nature and Valuation Ch. 3 Accounting for partnership firm: – Reconstitution and Dissolution • Change in the profit sharing Ratio among the existing partners • Admission of a partner	31	25
JUNE	• Retirement and Death of a partner Ch. 4 Accounting for partnership firm – Reconstitution and Dissolution			

UNIT TEST-II	JULY	<ul style="list-style-type: none"> Dissolution of partnership firm Ch. 5 Accounting for Share Capital Share and Share Capital Accounting for Share Capital Accounting treatment of forfeiture and re- issue of shares 	17	15
	AUGUST	Ch. 6 Accounting for Debentures <ul style="list-style-type: none"> Debenture – Issue of Debentures Redemption of Debentures 	08	
	SEPTEMBER	Part B: Financial Statement Analysis Ch. 7 Financial Statements of a Company Ch. 8 Analysis of Financial Statements (Theory) REVISION AND HALF YEARLY EXAMINATION	Total: 80	12
UNIT TEST – III	OCTOBER	Ch. 8 : Analysis of Financial Statements <ul style="list-style-type: none"> Tools for Financial Analysis Accounting Ratios 		
		Ch. 8 : Analysis of Financial Statements <ul style="list-style-type: none"> Cash Flow Statement 		08
	NOVEMBER	Accountancy Project work / Practical <ul style="list-style-type: none"> ➤ Project file 4 marks ➤ Written Test 12 marks ➤ Viva Voice 4 marks REVISION FOR PRE-BOARD EXAMINATION		Total: 80 20
	DECEMBER	PRE-BOARD – I		
	JANUARY	PRE-BOARD – II		
	Total (Theory + Practical) :		→	100

QUESTION PATTERN (HALF-YEARLY EXAMINATION)

TYPE OF QUESTION(S)	MARK(S) PER QUESTION	TOTAL NO. OF QUESTIONS	TOTAL MARKS
VSA	1	8	8
SA – I	3	4	12
SA – II	4	5	20
LA – I	6	4	24
LA – II	8	2	16
Total		23	80

BLUE PRINT (HALF-YEARLY EXAMINATION)

SL NO	CONTENTS UNIT/FORMS OF QUESTIONS	VSA (1)	SA-1 (3)	SA-2 (4)	LA-1 (6)	LA-2 (8)	TOTAL MARKS
1	PART –A Accounting for not for profit organization and partnership-firms and Companies Accounting for not for profit organization.	2		1	1		12
2	Accounting for Partnership firm- (Fundamentals)	2		1	1		12
3	Accounting for Partnership firm- Reconstitution & Dissolution	1	2	1	2	1	31
4	Accounting for share Capital	2	1	1		1	17
5	Accounting for Debentures	1	1	1	-	-	08
Total:		1(8)=8	3(4)=12	4(5)=20	6(4)=24	8(2)=16	80

QUESTION PATTERN (PRE-BOARD EXAMINATION)

TYPE OF QUESTION(S)	MARK(S) PER QUESTION	TOTAL NO. OF QUESTIONS		TOTAL MARKS
		PART-A	PART-B	
VSA	1	6	2	8
SA – I	3	4	-	12
SA – II	4	2	3	20
LA – I	6	3	1	24
LA – II	8	2	-	16
Total:		17	6	80

N.B.: Blue Print of Question Paper for Pre-Board and Annual Examination will be as per CBSE guidelines

SPLIT-UP OF SYLLABUS FOR THE SESSION, 2018-19

CLASS: XII

SUB: ECONOMICS (Code No. 030)

BOOKS PRESCRIBED:

1. Introductory Micro Economics (NCERT: Part – A)
2. Introductory Macro Economics (NCERT: Part – B)
3. Supplementary Reading Materials (CBSE)

	MONTH	CHAPTER/TOPIC TO BE TAUGHT	UNIT WISE WEIGHTAGE	
			HALF YEARLY	PRE BOARD/ ANNUAL
UNIT TEST – I	Mar.	Macro Economics Unit –V. National Income & Related Aggregates	} 15	10
	April	Unit – V. National Income & Related Aggregates		
	June (W.T.-I)	Macro Economics Unit – VI. Money & Banking	10	06
UNIT TEST – II	July	Micro Economics Unit- I. Introduction Unit – II. .Consumer’s Equilibrium & Demand	06 17	04 13
	Aug. (W.T.-II)	Micro Economics Unit – III. Producer’s Behaviour & Supply. Macro Economics Unit – VII. Determination of Income & Employment.	17 15	13 12
	Sept.	Revision for Half Yearly Half Yearly Exam	Total: 80	
UNIT TEST – III	Oct. (W.T.-III)	Macro Economics Unit – VIII. Govt. Budget & the Economy. Unit – IX. Balance of Payment		06 06
	Nov.	Micro Economics Unit – IV. Forms of Market & Price Determination under Perfect Competition with Simple Application.		10
	Dec.	1ST PRE – BOARD EXAM.		Theory:80
	Jan.	2ND PRE – BOARD EXAM.		
One Project Work				20
Total:				Theory: 80 Project: 20

QUESTION PAPER DESIGN

Theory: 80marks + Project: 20 Marks

Sl.No	Typology of Questions	Very short Answer/ MCQ 1 Mark	Short Answer (I) 3 Marks	Short Answer (II) 4 Marks	Long Answer 6 Marks	Total Marks	%
1	Remembering	2	-	2	2	22	27%
2	Understanding	2	1	2	1	19	24%
3	Application Based	2	1	1	1	15	19%
4	HOT Skills (Analyse & Synthesis)	1	1	1	1	14	17%
5	Evaluation and Multi- Disciplinary	1	1	-	1	10	13%
	Total	8 × 1 = 8	4 × 3 = 12	6 × 4 = 24	6 × 6 = 36	80(24)	100%

Note: The question papers for half yearly and annual examinations will contain 3 internal choices in questions of 3 marks, 4 marks and 6 marks in both sections .Total 3 internal choices in section A and 3 internal choices in section B.

ProjectWork: Each student will prepare **one project** work and submit the work in the project file (with viva voce) to the external examiner.

MARKING SCHEME FOR PROJECT WORK

Sl.No	Heading	Marks Allotted
1.	Relevance of the topic	3
2.	Knowledge Content / Research work	6
3.	Presentation Technique	3
4.	Viva	8
	Total	20 Marks