

ACADEMIC PLAN SESSION : 2016-17
(D.A.V. CENTENARY PUBLIC SCHOOL, PASCHIM ENCLAVE, N.D.-110087)

CLASS : X

SUBJECT : SCIENCE

SUMMATIVE ASSESSMENT-I

S. No.	NAME OF THE CHAPTER	NUMBER OF PERIODS	MARKS
1.	Electricity and its effects	10	
2.	Magnets and magnetic effects of current	10	
3.	Sources of energy	06	
4.	Chemical reactions and equations	10	
5.	Acid, Bases and Salts	10	
6.	Metals and Non-metals	08	
7.	Life processes	12	
8.	Control and co-ordination	12	

FORMATIVE ASSESMENT: I

TEACHING METHODOLOGY: Lecture method supported with classroom activities and hands on experience:

MONTH	LESSON	LEARNING OUTCOMES & VALUES	HOME WORK	ASSIGNMENTS	ACTIVITIES TO BE ASSESSED/CLASS ROOM ACTIVITIES
F.A.-I APRIL- MAY 18 + 12 & 8:EXTRA CLASSES	➤ Chemical reaction & Equations (Class Test)	➤ Understanding of importance of chemical changes	TWO	ONE	➤ Handout on Balancing of chemical equations
	➤ Electricity and its effects (Oral Test)	➤ Students can show the awareness about the dangerous effect of current. ➤ Students can also remove the small faults from the household circuits ➤ Students can also show the awareness about the consumption of electricity	TWO	ONE	➤ To arrange various components of an electric circuit in proper order.
	➤ Life processes	➤ Student understand importance of life process	TWO	ONE	

FORMATIVE ASSESSMENT-II

TEACHING METHODOLOGY: Lecture method supported with classroom activities and hands on experience:

MONTH	LESSON	LEARNING OUTCOMES & VALUES	HOME WORK	ASSIGNMENTS	ACTIVITIES TO BE ASSESSED/CLASS ROOM ACTIVITIES
F.A.-II JULY- AUGUST (22 + 21)	➤ Acids, bases & salts. ➤ Metals and non metals	➤ To understand various types of salts ➤ Chemical properties of metals & non-metals ➤ Corrosion and ways to avoid it	TWO	ONE	➤ Project Report on Diseases due to Erratic Life Style. ➤ Assessment of practical skills and hands on experience
	➤ Magnets and magnetic effects of current	Responsibilities, Careful, Consideration about the Nature, Empathy,	TWO	ONE	
	➤ Sources of energy	Patience, Respect for elders and our society, thankfulness,	ONE	ONE	
	➤ Control and Co-ordination	Appreciation of the behavior etc.	TWO	ONE	

SUMMATIVE ASSESSMENT-II

S.No.	NAME OF THE CHAPTER	NUMBER OF PERIODS	MARKS
1.	Reflection and refraction of light	10	
2.	The human eye and colourful world	10	
3.	Carbon and its compounds	06	
4.	Periodic classification of elements	10	
5.	Reproduction	10	
6.	Heredity and evolution	08	
7.	Conservation of natural resources	12	
8.	Our environment	12	

FORMATIVE ASSESSMENT-III

TEACHING METHODOLOGY: Lecture method supported with classroom activities and hands on experience:

MONTH	LESSON	LEARNING OUTCOMES & VALUES	HOME WORK	ASSIGNMENTS	ACTIVITIES TO BE ASSESSED/CLASS ROOM ACTIVITIES
F.A.-III OCTOBER - NOVEMBER (16 + 20)	➤ Carbon and its compounds	➤ Understand importance of Carbon Compounds in daily life.	TWO	ONE	➤ To prepare a project on use of allotropes of carbon in our daily life
	➤ Reflection and refraction of light	Responsibilities, Careful, Consideration about the Nature, Empathy, Patience, Respect for elders and our society, thankfulness, Appreciation of the behavior etc.	TWO	ONE	➤ MCQ based on Practical Skills
	➤ Reproduction		ONE	ONE	

FORMATIVE ASSESSMENT-IV

TEACHING METHODOLOGY: Lecture method supported with classroom activities and hands on experience:

MONTH	LESSON	LEARNING OUTCOMES & VALUES	HOME WORK	ASSIGNMENTS	ACTIVITIES TO BE ASSESSED/CLASS ROOM ACTIVITIES
F.A.-IV DECEMBER- MARCH (24 + 13 +06)	➤ Periodic classification of elements		TWO	ONE	➤ Research based viva on any one element of your choice.
	➤ Human eye and colourful world	➤ Students can show the awareness about the defects of eye and aware their society about the donation of eye	TWO	ONE	➤ Assessment of practical skills and hands on experience ➤ Powerpoint presentation on "Save Environment"
	➤ Heredity and evolution ➤ Conservation of natural resources ➤ Our environment		TWO	ONE	

➤ **Measures to enhance performance of bright students-**

- HOTS questions
- Application and skill based questions
- Problem solving questions / situational questions

➤ **Remedial measures for below average students-**

- Objective type questions
- Very short answer type questions