



**MODERN SCHOOL**  
**GENERAL SCIENCE SYLLABUS**  
**SESSION : 2019-20**  
**CLASS VIII**

**BOOK PRESCRIBED: PRACHI SCIENCE**  
**HALF YEARLY EXAMS 50%**

MONTH	CHAPTERS	TOPICS	PRACTICALS
<b>APRIL</b>	CH 8	Cell structure and functions (HANDOUTS)	1) To show the twisting of fibres into yarn to increase the strength of fibre (pg no 50) 2) To show the effect of depth on pressure in liquids.(pg 183)
	CH 11	Force and pressure	
	CH 3	Synthetic fibre and plastics	
<b>MAY</b>	CH 14	Chemical effects of electric current(HANDOUTS)	1) To observe a constellation and prepare a report on the same. 2) To observe onion peel cells under a microscope.(pg no 128)
	CH 7	Conservation of plants and animals	
<b>JULY</b>	CH 14	Chemical effects of electric current(cont)	
	CH 17	Star and the solar system	
	CH 16	Light (HANDOUTS)	
<b>AUGUST</b>	CH 16	Light(cont)	1) To make a kaleidoscope to study multiple reflection. (pg 255)
	CH 3	Coal and petroleum	
	CH 2	Microorganisms and viruses –friend and foe	
<b>SEPT</b>		REVISION	
<b>PT 1</b>		CH 3	
		CH 11 (upto page no 179)	
		Ch 8 (upto page no 131 till function of nucleus)	
<b>PT 2</b>		Ch 17 (upto page no 269 till galaxies),	
		Ch 14 (upto page no 220),	
		Ch 7	
<b>Half yearly syllabus</b>		Ch: 11(9), 3(9), 8(9), 17(9), 14(9), 7(9), 16(9), 5(9), 2(8)	<b>** MARKS OF CHAPTERS ARE GIVEN IN THE BRACKET WITH CHAPTER NO.</b>

**FINAL EXAM SYLLABUS 50% + 30% OF HALF YEARLY SYLLABUS**

MONTH	CHAPTERS	TOPICS	PRACTICALS
OCTOBER	CH 12 CH 4 CH 9	Friction Materials-metals and non-metals (HANDOUTS) Reproduction in animals (HANDOUTS)	1)To show that a more reactive metal displaces a less reactive metal from its solution.(pg no 68)  2) to show budding in yeast through permanent slide.(pg no 26)
NOVEMBER	CH 9 CH 13 CH 18	Reproduction in animals(cont) Sound (HANDOUTS) Pollution of air and water	1)To show that sound needs a medium to travel.(pg no 204) 2) to prepare compost using dry leaves and kitchen waste.(pg no 07)
DECEMBER	CH 1 CH 15 CH 6	Crop production and management Some natural phenomena Combustion and flame	1)To separate the good healthy seeds from the damaged ones.
JANUARY	CH 6 CH 10	Combustion and flame (CONT..)  Reaching the age of adolescence	
FEBRUARY		REVISION	
PT 3		Ch 4 (upto page no 65) Ch 12 Ch 9 (upto page no 140 till fertilization in humans)	
30% OF HALF YEARLY SYLLABUS		CH : 8(8) , 14(8) , 16(8)	
ANNUAL EXAM SYLLABUS		CH: 1(6), 4(6), 6(6), 9(7), 10(7), 12(6), 13(6), 15(6), 18(6), 8(8), 14(8), 16(8)	<b>** MARKS OF CHAPTERS ARE GIVEN IN THE BRACKET WITH CHAPTER NO.</b>

**NOTE :** ASSIGNMENT AND HANDOUTS MUST BE GIVEN FOR EVERY CHAPTER AS PER SCHEDULE

ASSIGNMENT 1 : CH : 3, 8, 11, 7

ASSIGNMENT 3 : CH : 4, 9, 12, 13

ASSIGNMENT 2 : CH : 2, 5, 17, 14, 16

ASSIGNMENT 4 : CH : 1, 6, 10, 15, 18

Marking scheme for PT(1-3) question papers		Marking scheme for half-yearly& final examinations question papers	
Total Marks	30 Marks	Total Marks	100Marks
Written	20 Marks	Q. paper	80 Marks
MCQ	5+5=10 Marks	Activity	5 Marks
		Notebook/Assignments	5 Marks
		Oral	10 Marks
Division of 20 marks of Question paper		Division of 80 marks of Question paper	
LONG ANSWER	5X1=5	MCQ	1X10=10
SHORT ANSWER	3X4=12	ONE WORD	1X6=6
DIAGRAM	3X1=3	DEFINITIONS	2X5=10
TOTAL	20Marks	QUESTIONS	2X7=14,3X5=15,5X4=20
		DIAGRAM	5X1=5

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**BLUE PRINT FOR HALF YEARLY EXAM QUESTION PAPER**

CHAPTER NAME	MCQ	ONE WORD	DEFINE	2X7	3X5	5X4	5X1	TOTAL
FORCE AND PRESSURE	2		1	1	1			9
SYNTHETIC FIBERS AND PLASTICS	2	2		1	1			9
CELLS STRUCTURE AND FUNCTION			1	1			1	9
STAR AND SOLAR SYSTEM	1	1		1		1		9
CHEMICAL EFFECT OF ELECTRIC CURRENT	1	1		1		1		9
CONSERVATION OF PLANTS AND ANIMALS	1	1	1	1	1			9
LIGHT	1	1	1	1	1			9
COAL AND PETROLEUM	2		1			1		9
MICRO ORGANISM FRIENDS AND FOE					1	1		8
<b>NO.OF QUESTIONS</b>	<b>10</b>	<b>6</b>	<b>5</b>	<b>7</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>80</b>

**BLUE PRINT FOR ANNUAL EXAM QUESTION PAPER**

CHAPTER NAME	MCQ	ONE WORD	DEFINE	2X7	3X5	5X4	5X1	TOTAL
CROP PRODUCTION AND MANAGEMENT	1			1	1			6
METALS AND NON METALS		1				1		6
COMBUSTION AND FLAME	1		1		1			6
REPRODUCTION				1			1	7
REACHING THE AGE OF ADOLESCENCE				1		1		7
FRICTION	1					1		6
SOUND	1	1	1	1				6
NATURAL PHENOMENA	1					1		6
POLLUTION OF AIR AND WATER	1			1	1			6
CELL STRUCTURE AND FUCTIONS	2	1	1		1			8
CHEMICAL EFFECT OF ELECTRIC CURRENT	1	2	1		1			8
LIGHT	1	1	1	2				8
<b>NO.OF QUESTIONS</b>	<b>10</b>	<b>6</b>	<b>5</b>	<b>7</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>80</b>

- a) Weightage of the question paper will be done according to the above table.
- b) MCQ'S must have options like (a,b,c,d)
- c) Marks distribution of 80 marks for question paper will be according to the blue print.
- d) Assignments of each chapter of book must be given to the student.

