

MP BOARD CLASS 10 SCIENCE PREVIOUS YEAR PAPER

	3 Hours Class : 10 th	[M. M. : 75
(nstruc	etions: (i) All questions are compulsory. (ii objective type. Each question carries 1 × are 5 × 4 = 20. (iii) Internal options are g 20. (iv) Marks of each question are indicat question nos. 5 to 8 in about 30 words each nos. 9 to 12 in about 75 words each. (vii) to 17 in about 120 words each. (viii) Ansy in about 150 words each. (ix) Draw neat a wherever required.	5 = 5 marks. Total marks given in question nos. 5 to ted against it. (v) Answer h. (vi) Answer question Answer question nos. 13 wer question nos. 18 to 20
1. Fill i	n the blanks:	$1 \times 5 = 5$
(i)	Chemical equilibrium is only possible inves	sel.
(ii)	Distilled water is a of electricity.	
(iii)	Urea is formed in the	
(iv)	Metals are of heat and electricity.	
(v)	Group of stars are called	
2. Choo	ose the correct alternative:	1×5 = 5
(i)	General structural formula of Alcohol is	
	(a) R-OH (b) R- CHO	
	(c)R-CO-R (d) R-COOH	
<i>/···</i> >	The planet nearest to the Sun is	
(ii)		



(iii) The name of the metal that is immersed in Kerosene oil is

(a) Iron	(b) Copper
(c)Sodium	(d) Calcium

(iv) SI unit of resistance is

(a) Volt(b) Ohm(c)Watt(d) Ampere

(v) Number of chambers are there in the human heart.

(a) One	(b) Two
(c)Three	(d) Four

3. Match Column 'A' with 'B':

"A"

(i)	Power of lens	(a) Mercury
(ii)	Quick Silver	(b) Green Plant
(iii)	Excretory Organs in the earth worm	(c)Diopter
(iv)	Producer	(d) Synthetic Plastic
(v)	Bakelite	(e) Nephridia
		(f) Pottassium
		(g) Human

4. Write the answer in one sentence each:

- (i) What is the main component of L.P.G?
- (ii) Write the name of 'Red Planet'
- (iii) Which disease is found in human due to deficiency of blood?
- (iv) What is the unit of sound?
- (v) Wrtie on name of bisexual animal.

5. Define electric power.

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 $1 \times 5 = 5$

 $1 \times 5 = 5$

(OR) Define potential difference.

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"B"



6.	Write the laws of refraction.			2	
(0)	R) Write two uses of convex mi	rror.			
7.	What is absolute alcohol?			2	
(OF) Write the name of any two er	nzymes.			
8.	2. Write any two characteristics of Jovian Planets.				
(0)	R) What is Galaxy?				
9.	9. Write any three differences between minerals and ores. 3				
(OR) Explain froth floatation process of concentration of ore.					
10.	Write composition, its percen	tage and uses of any	three alloys.	3	
(0)	R) What happens when: (wr	ite chemical equation	on only)		
	(i) Zinc reacts with dilute	sulphuric acid.			
	(ii) Sulphuric acid reacts c	eaustic soda.			
	(iii) Ammonia reacts with	hydrogen chloride g	as.		
11. What is rain water harvesting? Write two main aims of rain water harvesting. (any two).(OR) What is pollution? Write any two preventive measures to control air pollution.			3		
12.	Write the medicinal uses of fo	ollowing plants:			3
	(i) Ginger	(ii) Haldi	(iii) Amla		
(C	R) Write the importance of me	dicinal plants in brie	f.		
13.	Explain compound microscop	e with diagram.			4

(OR) What is hypermetropia? Give its causes: Explain with the help of a labelled Ray diagram, how it is corrected.



14. Draw a well labelled diagram of voltaic cell.	4
(OR) Draw a well labelled diagram of electric motor.	
15. Write any 4 differences between nuclear fusion and nuclear fission.	4
(OR) Explain working of Solar water heater in short by drawing a well labelled diagram.	
16. Explain the female reproductive organs of flower by a well labelled diagram.	4
(OR) What is Genetics? Explain mendal's law of dominance with line diagram.	
17. Define Detergents. Write any three differences between soap and detergent.	1+3=4
(OR) What is polymerisation? Write name and main uses of any three polymers.	
18. Name the factors that affect the rate of a reaction. Explain in detail.	5
(OR) What is heat treatment of steel? Explain.	
19. What is photosynthesis? Write any three factors that affect photosynthesis.	5
(OR) Write any five difference between Aerobic respiration and Anaerobic respiration.	
20. Write any 5 differences between Artrery and Vein.	5
(OR) Describe the process of urine formation.	

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