MP BOARD CLASS 10 MODEL PAPER 2020

SCIENCE

Time: 3 Hrs.]		[M.Marks : 80
	Section - A	
	Objective Type questions:	
Q.1. Choose the Correct answer:		5
(1) The nature of lemon juice is:		
(a) Acidic	(b) Basic	
(c) Neutral	(d) Neither acidic nor basic	
(2) The unit of rate of reaction is:		
(a) Mole per litre presecond	(b) Mole per litre	
(c) Gram per litre	(d) Gram per mode.	
(3) The reflex actions are controlled	and coordinated by:	
(a) Spinal cord	(b) Cerebellum	
(c) Medulla oblongata	(d) All of these	
(4) Estrogen is secreted by		
(a) Pituitary	(b) Ovary	
(c) Testis	(d) Thyroid	
(5) The brain is divided into the foll	owing parts:	
(a) Two	(b) Three	
(c) Four	(d) Five	
Ans. (1) c, (2) c, (3) a, (4) b, (5) b.		
Q.2. Fill in blanks:		5
(1) Distilled water is a of electricity.		
(2) Sources producing inexhaustible	e energy are called sources.	
(3) The atomic radius on n	noving left to right in a peiod.	
(4) We came see the objects in the p	presence of	
(5) The fermentation reactin occurs	in presence of	
Ans. (1) Bad conducter (2) Renewa	ble (3) decreases (4) Light (5) Enzymes.	
Q.3. Match the columns:		5
(A)	(B)	
(1) Slakd lime	(a) P.V.C:	
(2) Hematite.	(b) Earthworm	
(3) Vinyl chlride	(c) Size of object	
(4) Bisexual	(d) Iron	
(5) Angle of vision	(e) Ca(OH) ₂	
Ans. (1)-(e), (2)-(d), (3)-(a), (4)-(6),	(5)-(c).	

5 Q.4. Answer the following in one word/ sentence: (1) What is the e.m.f. of dry cell? (2) Who construct the mangal turbine? (3) Write Chemial formula of chlorofluoro carbon? 4) What is the main constituent of L.P.G. is? (5) Mole per litre per second is unit of. Ans. (1) 1.5 volt, (2) Mangal, (3) CCl₂F₂, (4) Butane, (5) Rate of reaction. **Section - B** Q.5. Why do we apply paint on iron articles? 2 Or Oil and fat containing food items are flushed with nitrogen. Why? Q.6. State Mendeleev's periodic law. 2 Or What was Dobereiners' basis of classifying elements? 2 Q.7. What is fertilisation in plants? Or What is the importance of DNA copying in reproduction? Q.8. How is the sex of the child determined in human beings? 2 Or Explain the terms of analogous organs with examples. Q.9. Name a mirror that can give an erect and enlarged image of an object. 2 Or The refractive index of diamond is 2.42. What is the meaning of this statement? 3 Q.10. Balance the chemical equations- http://www.mpboardonline.com (i) $BaCl + AgNO_3 \rightarrow AgCl + NaNO_3$ (ii) $BaCl_2 + H_2SO_4 \rightarrow BaSO_4 + HCI$ Or What do you mean of exothermic and endothermic reaction? Give examples. Q.11. What do you understand by spectrum of white light. 3 Or What is color blindness? Give the reason. Q.12. The magnetic field in a given region is uniform. Draw a diagram to represent it. 3 Or Write the properties of a bar magnet. Q.13. Draw magnetic field lines around a bar magnet. 3 Or List the properties of magnetic field lines.

