Quarterly Examination -2024-25

Class 10th

Time:3:00 hours

Instructions:

Subject - Science

it is compulsory to attempt all the questions. Marks of the questions are mentioned against them.

Question no 6 to 17 are short answer type questions , answer them in about 30 words. Eathing

Operation no 01 to 05 are a biggined type. Lock question Carries 1 marks.

MM -75

Carries 2 marks.		
Question no.18 t	o 20 are short answer type questions, an	swer them in about 75 words. Each the the
Carries 3 marks.		
	o 23 are long answer type questions , ans	wer them in about 120 words. Each question
Carries 4 marks.		
Question 1. Choose th	e correct option and write-	1 × 6=6
(i) Rusting of iron is an e	xample of:	
(a) Reduction	(b) Oxidation •	
(c) Corrosion	(d) Dissociation	
(ii) The pH value of a b	ase solution is	
(a) PH > 7 ·	(b) $PH < 7$ (c) $PH = 7$	(d) $PH = 0$
(iii) Lungs are located		
(a) In Thoracic Cavity	(b) In abdominal Cavity	
(c) Near Intestine	(d) Below Pancreas	
(iv) Involuntary actions ar	e controlled by ?	
(a) Cerebrum (b)) Cerebellum (c) Medulla oblongata	(d) Spinal Card ·
(v) When an object is place	ed at centre of curvature in front of con	cave mirror then the image will be formed:
(a) At focus	(b) At infinity	
	(d) Between focus and centr	an of superturn
(c) At centre of curvature	(d) between rocus and centr	e of curvature /
(vi) The Presbyopia is co	rrected by using:	
(a) Convex lens (b)	Concave lens (c) Bifocal lens. (d) (Cylindrical lens
Question 2. Fill in the bl	anks and write-	1 × 6=6
(i) The Chemical reaction i	in which exchange of ions takes place be	etween reactants are
called		
The state of the s	one is secreted by Pancreas.	
	e functional unit of kidney.	
	mirror is infinity. A	(di)
	lens is	
francisco de marco de la compansión de l	r and to use it is called	k
and the same and saddle.	and to use it 15 caned	<i>C</i>



- (i)CH₅OH is a base because OH is present in it.
- (ii)Oxalic acid is found in tamarind. F
- (iii)Liver converts ammonia into urea. 7
- (iv)Concave Mirror is used as shaving mirror. Tu
- (v)The power of convex lens is negative. T>
- (vi)The infrared radiations are absorbed by Ozone layer.

Question 4. Match and write the correct pair-

 $1 \times 6 = 6$

[A]

(i) Pitutary gland

(a) 1/f = 1/v + 1/u

[B]

(ii) Female Hormone

(b) Scattering

(iii) Mirror formula

(c) Atmospheric refraction

(iv) Lens formula

(d) Thyrotropic

(v) Tyndal effect

(e) 1/f = 1/v - 1/u

(vi)Twinkling of stars

(f) Oestrogen 11

Question 5. Write the answer in one word or sentence-

 $1 \times 6 = 6$

- (i) What is correct formula of plaster of Paris?
- (ii) What is the function of pheromone?
- (iii) What is the least distance of distinct vision? Les
- (iv) Which part of human eye regulates the intensity of light entering in the eye?
- (v) What is food chain?
- (vi)What are biodegradable substances?

Question 6: Why should a magnesium ribbon be cleaned before burning in air?

Or

Why does colour of copper sulphate sollution changes when iron nail is dipped in it?

Question 7: What is Galvanization?

Or

, What is combination reaction? Give an example.

Question 8: What is Aquaragia?

Or

How slacked lime is obtained by Quick lime? Write chemical reaction.

Question 9: Why aqueous solution of an acid does conduct electricity?

Or

Write any two importance of PH in our daily life.

Question 10: What is the role of acid in our stomach?

Or

. What is autotrophic nutrition?

Question 11:Write definition and chemical equation of photosynthesis.
Write any two functions of Lymph .
Question 12: Write any two functions of fore brain.
Or
Write any two functions of Cytokinin hormone.
Question 13: Write any two functions of Neuron.
Qr
Write name of any two endocrine glands of human along with name of hormone secreted by them.
Question 14: Write laws of reflection
Or
What is critical angle?
Question 15: What is the power of lens ? Write its SI unit.
Or
Define Magnification and write its formula.
Question 16: What do you meant by Total Internal Reflection?
Or
What is Tyndall effect?
Question 17: What is Ecology ?Write main components of Ecosystem.
Or
Give any two ways in which non biodegradable substances would affect the Environment.
Question 18: Define Corrosion and write any two ways to prevent the corrosion.
Or
What is Rancidity? Write two methods of prevention of rancidity.
Question 19: Make labeled diagram of Nerve cell.
Or
What is Reflex action? Explain its mechanism.
Question 20: The power of lens is -2.0 D find its focal length. Which type of lens is this?
Or
An object is placed at a distance of 10 cm from a convex mirror of focal length 15 cm. Find the position an
nature of image.
Question 21: Write any four differences between an acid and a base.
Or
Write two use of each of the followings
(a) Backing Soda (b) Bleaching Powder (c) Plaster of Paris (d) Washing Soda
1"
Question 22: Write any four differences between aerobic respiration and anaerobic respiration.
Or
Write any four differences between an artery and a vein.
Question23: Explain Myopia and Hypermetropia with causes and correction
Or
Why does Sky appear Red during Sunrise and Sunset?
