Quarterly Examination -2024-25

Class 10th

Time:3:00 hours

Instructions:

Subject - Science

MM -75

	4. g									
	lit				r them in about 30 words. Earlie					
	īv.									
	٧,		23 are long answer	type questions , answe	er them in about 120 words. Each	questi				
	Ques	tion 1. Choose the	correct option and	l write-	1 × 6=6					
	(i) Rus	sting of Iron is an ex	rample of:							
	(a) Reduction		(b) Oxidation -							
	(c) Corrosion		(d) Dissociation							
	(H) Th	ne pH value of a ba	ase solution is							
	(a) Pi	H>7·	(b) PH < 7	(c) PH = 7	(d) $PH = 0$					
	(iii) Lu	ngs are located								
	(a) In	Thoracic Cavity	(b) In abdomina	Cavity						
	(c) Nea	ar Intestine	(d) Below Pancre	205						
	(iv) Involuntary actions are controlled by ?									
	(a) Cerebrum (b) Cerebellum (c) Medulla oblongata (d) Spinal Card ·									
	(v) Whe	(v) When an object is placed at centre of curvature in front of concave mirror then the image will be formed								
	(a) At fo	ocus	(b) At inf	inity						
	(c) At co	entre of curvature	(d) Betwe	(d) Between focus and centre of curvature						
	(vi) The Presbyopia is corrected by using:									
	(a) Conv	vex lens (b)	Concave lens (C) Bifocal lense (d) Cyl	indrical lens					
	Question 2. Fill in the blanks and write-									
	(i) The Chemical reaction in which exchange of ions takes place between reactants are									
	called reactions.									
U	(ii)±	(iii)hormone is secreted by Pancreas.								
ſ,	(iii) is the functional unit of kidney.									
			mirro		710					
L	(v) The S	v) The SI unit of power of lens is								



- (i)CH₃OH is a base because OH is present in it. F
- (ii)Oxalic acid is found in tamarind. * ~
- (iii)Liver converts ammonia into urea. (-
- (iv)Concave Mirror is used as shaving mirror. T U
- (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 + 1

(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? 15
- (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:Wr	ite definition and chemical equation	of photosynu	2016
		Or	uesis.
Overtier any two fu	inctions of Lymph.		
Question 12: W	rite any two functions of fore brain.	-	
		Or	
Write any two fu	unctions of Cytokinin hormone.		
Question 13: W	rite any two functions of Neuron. 🕏		
		Qr	
Write name of an Question 14: Wr	iy two endocrine glands of human a rite laws of reflection = *	long with nan	ne of hormone secreted by them. 🕝
		Or	
What is critical an	ngle?		
Question 15: Wh	at is the power of lens? Write its SI	unit	
		Or	
Define Magnificat	tion and write its formula.		
	nat do you meant by Total Internal f	Reflection?	
	to the first the state of the s	Or	
What is Tyndall e	ffort?	OI .	
•		ante of Foods	tom
Question 17: W	nat is Ecology ?Write main compone		tem.
Circa and burning		Or	Mark the Fredrick
	ys in which non biodegradable subst		
Question 18 : De	efine Corrosion and write any two w		t the corrosion.
AAAb - A Co Door - I day o	7 the true math ade of personal a	Or	
,	? Write two methods of prevention ke labeled diagram of Nerve cell.	or rancialty.	
Question 19: ivial	ce labeled diagram of Merve cen.	Or	
and a laboration and	and Fundain its machanism	O1	
	on? Explain its mechanism.	allonath Mh	ich type of lans is this?
Question 20: The	power of lens is -2.0 D find its foca		ich type of lens is this?
		Or	
An object is placed nature of image.	at a distance of 10 cm from a con-	vex mirror of	focal length 15 cm. Find the position and
Question 21:Write	e any four differences between	an acid and	a base.
	•	Or	
Mrite two use of ea	ch of the followings		
	(b) Bleaching Powder (c) Plast	er of Paris	(d) Washing Soda
a)Backing Soda	(b) Bleaching Fowder (c) Flase	er 01 1 3 113	(a) Washing Socia
		7	
			-inting and appearing application
Question 22 : Write	e any four differences between	raerobic res	piration and anaerobic respiration.
		Or	
Write any four diffe	erences between an artery and	l a vein.	
_	n Myopia and Hypermetropia wit		Correction •
2005001125. Explain	ir wyopia and riypermetropia wit	ii cadaca aric	Concention
		Or	
Why does Sky appea	ar Red during Su <mark>nrise</mark> and Sunset	?	
		xxx	••