FIRST REVISION EXAMINATION - 2024

Class: 10 Time: 3-00 Hours

SCIENCE

Reg.No	1 -	4
12	to the state of	

Marks: 75

			PART - I			
1) (hoose the corre	ect answer.		12 x 1 = 12		
	One kilogram force		and the second	rate a mark to		
			c) 98 x 10 ⁴ dyne	d) 980 dyne		
2. 11			nan ear is			
	a) 50 KHz	b) 20 KHz	c) 15000 KHz	d) 10000 KHz		
3	aprons are	e used to protect us fro	m gamma radiations.	that the control of t		
	a) Lead oxide	b) Lead	c) Iron	d) Aluminium		
4. V	Which of the follow	ving is a triatomic mol	lecule			
1 8	a) Glucose	b) Helium	c) Carbon dioxide	d) Hydrogen		
5. F	5. Rectified spirit is an aqueous solution which contains about		ich contains about	of ethanol.		
		b) 75.5 %	and the second s	d) 45.5 %		
6.	is an importa	nt metal used in amalg	gam			
2	a) silver	b) tin	c) sodium	d) mercury		
7. W	which of the follow	ing is the universal so	lvent?			
		b) Benzene		d) Alcohol		
8. T	he outermost of th	ne three cranial mening	ges is the dwor to the way	น้ำ เพราะเก้า ออร์กุรา: กรคอก และ ก็กรรัฐ		
				d) myelin sheath		
		P factory of the cells		the many server all a servers of the		
			am c) mitochond	ria d) nucleus		
			es allow on the second of			
	a) Zoospores			d) Chlamydospores		
	-	is observed on		a) omany despectes		
	a) May 31	b) June 6		d) December 1		
		in		a) Becember 1		
	a) folder	b) box	c) paint	d) scanner		
	,	6) 50A	c) paint	d) scamer		
		PA	RT – II			
II A	nswer any 7 que	estions. Question I	Number 22 is compul	sory. 7 x 2 = 14		
13.	State Rayleigh's	law of scattering.	1. 1. 10 111	franch Mary entre &		
14.	Give any two use	es of radio isotopes in	the field of agriculture.	Complete of Alle		
15.	Write the Esterif	ication reaction.	AU)			
16.	Fill in the blanks		112 - William A.	and and service the		
		name of rust is		a specific the later to		
17	b) 100% pure ethanol is called					
17.						
18.		Rh factor? why was i				
19.	What is the impo	rtance of valves in the	heart?			
20.	What is respirato	ry quotient?		10th Calance ERT Base 1		
- 1-53	- ARRIVER			10 th Science - FRT- Page-1		

- 21. Draw and label the structure of pollen grain.
- 22. A person with myopia can see objects placed at a distance of 4m. If he wants to see objects at a distance of 20m, what should be the focal length of the lens.

PART - III

III Answer any 7 questions. Question Number 32 is compulsory.

 $7 \times 4 = 28$

- 23. Differentiate Myopia and Hypennetropia.
- 24. List out the advantages of LED bulb.
- 25. Write the difference between Nuclear fission and Nuclear fusion.
- 26. Write the applications of Avogadro's law.
- 27. In what way hygroscopic substance differ from deliquescence substances
- 28. Write the difference between soap and detergent
- 29. What is transpiration? Give the importance of transpiration.
- 30. Classify neurons based on its structure.
- 31. How does rainwater harvesting structures recharge ground water?
- 32. Calculate the number of moles.
 - i) 27 g Al
 - ii) 1.51x10²³ molecules of NH₄Cl

PART - IV

Answer all the questions.

 $3 \times 7 = 21$

- (Each question carries 7 marks. Draw diagram wherever necessary).
- 33. a) i) State the universal law of gravitation and derive its mathematical expression.
 - ii) Differentiate mass and weight

[OR]

- b) i)What is Nuclear reactor? Explain its essential parts with their functions.
 - ii) What is the minimum distance needed for an echo.
- 34. a) Derive the relationship between relative molecular mass and vapour density.

[OR]

- b) i) Give the balanced chemical equation of the following reactions.
 - a) Neutralization of NaOH with ethanoic acid.
 - b) Evolution of carbon dioxide by the action of ethanoic acid with NaHCO,
 - ii) What are called thermolysis reaction?
- 35. a) i) Explain female reproductive system of rabbit.
 - ii) What are allosomes?

OR

- b) i) With neat labelled diagram describe the parts of a typical angiospermic ovule.
 - ii) Mention the diseases caused by tobacco smoke.
