9 - Std QMAREDREY EXAMINATION - 2024

SCIENCE

Time: 3.00 Hrs.	l	m	e	:	3.	00.	Hrs.
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		_# 1	77	

MARKS: 75

			100	
. 0	Choose the correct	PART	- A	
	Which among the follo	Owing is not - 1		12 X 1 = 12
	Which among the follo	h Room hala	ce to measure mass?	
	a. Spring balance	phone I	c. Physical balance	d. Digital balance
	Clouds float in atmos		eir low	
	(a) density	(b) pressure	(c) velocity	(d) mass
3. •	Among the following		nixture	
		b) Juice		d) Pure Silver
4.	When we mix a drop	of ink in water we g	et a	
	a) Heterogeneous Mix	xture b) Compound	c) Homogeneous Mix	xture d) Suspension
5.			oughout the sample	
	a) Pure substance	b) Mixture	c) Colloid	d) Suspension
6.	Change in the number	er of neutrons in an	atom changes it to	
1 . 1 2	a) an ion.	b) an isotope.	c) an isobar.	d) another element
7.	Modern periodic law	states that the physi	ical and chemical prop	erties of elements are
	the periodic functions			
	a) atomic numbers	b) atomic masses	c) similarities	d) anomalies
8.	Poikilothermic organi	isms are		Service 1
	(a) Fish, Frog, Lizard		ish, Frog, Lizard, Cow	
Alexander of the second	(c) Fish, Frog, Lizard	, Snake (d) F	ish, Frog, Lizard, Crow	ı
9.	Excretory organ of ta	ape worm is	1 0 4 MA	
3			face (d) solenocytes	
10.				
11.	a. uterus	bartery	c. vein d. Al	I of the above.
11.	and pient		D*** ****	
1	ii) positively photocro	opic but negatively g	eotropic	Element of the Control of the Contro
	iii) negatively photo	pic but negatively pho tropic but positively	ototropic	A Company of the Comp
		tropic but positively		
12.		b) (ii) and (iii) c	for wireless connecti	and (iv)
The second		ctric wires		and the same of th
	Lice Control	sane wires	c) VGA	d) USB
II	Answer any seven	questions	PART - B	Marin and the Republic of the
257	(Question number		A service and a service of the servi	77.2
			,	7X 2 = 14
13.	Define least count of	The state of the s	dangel za dele a delegación delegación de	The state of the s
14.	What is meant by un motion	norm circular motio	nr Give two example	s of uniform circular
Miller.	· 特别的现在分词 一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	m in sea water than	in river water?	
15.	Why it is easy to swi	III III Sea Water tridi	Call State of the Contract of	DA
- day			Or a Se	றிவியல் (EM) PAGE

- 16. Name the apparatus that you will use to separate the components of mixtures containing two, i. miscible liquids, ii. immiscible liquids.
- 17. Write down the names of the particles represented by the following symbols and explain the meaning of superscript and subscript numbers attached. $_{1}H^{1}$, $_{0}n^{1}$, $_{-1}e^{0}$
- 18. State modern periodic law.
- 19. Are jellyfish and starfish similar to fishes? If no justify the answer.
- 20. Mention the most abundant muscular tissue found in our body. State its function.
- 21. What is chlorophyll?
- Find the thickness of a five rupee coin with the screw gauge, if the pitch scale reading is 1 mm and its head scale coincidence is 68.

PART - C

- III Answer any seven questions. (Question number 32 is compulsory)
- 23. How will you measure the least count of vernier caliper? $7 \times 4 = 28$
- 24. Distinguish distance and displacement
- 25. Match the following.

Density - hpg

1 gwt - Pressure 3

Pascal's law - Mass Volume

Pressure exerted by a fluid - 980 dyne 2_

- 26. Define Sublimation with diogram
- 27. What are nucleons? How many nucleons are present in Phosphorous?

 Draw its structure
- 28. State any five features of modern periodic table.
- 29. Comment on the aquatic and terrestrial habits of amphibians.
- 30. Why should gametes be produced by meiosis during sexual reproduction? what is the importance of meiosis
- 31. a. What is a Slide? b. What is a Presentation?
- a. A ball is gently dropped from a height of 20 m. If its velocity increases uniformly at the rate of 10 ms⁻², with what velocity will it strike the ground? After what time will it strike the ground?
 - b. A racing car has a uniform acceleration of 4 ms⁻². What distance it covers in 10s after the start?

PART-D

IV Answer all the questions.

- 33. a) Derive the equations of motion by graphical method. (OR)
 - b)-Describe the construction and working of mercury barometer
 - c) What is meant by atmospheric pressure?
- a) Write the differences between elements and compounds and give an example for each. (OR)
 - b) State the Gay Lussac's law of combining volumes. Explain with an illustration.
 - c) What are the limitations of Mendeleev's periodic table?
- 35. a) Write about the elements of Xylem. (OR)
 - b. How will you differentiate the different types of transpiration?
 - c. Differentiate phototropism from photonasty

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