Reg.No.

COMMON QUARTERLY EXAMINATION - 2024

Standard IX

SCIENCE												
١	l.	An 1 n	onetric ton is eq	ual to	THE PARTY IN	Part - I	Technic .	ng. Maj	,8		1	Marks:75 12 x 1 = 12
	der .	a)	100 quintals	b)	10 quintals	c)	1/10	quintals	d)	100	quinta	ls
	10	The a) c) Clo	e centrifugal for a real force a virtual force ouds float in at density	b) b) d) d) mospl	the force of directed tow here because	reaction wards the	of cer centr	ntripetal f	orce	lar pat	h	alog s
		An a) Th	common salt e term nucleor protons and	ring, _ b) refer	is a m juice to	nixture. c)	carbo	on dioxide	d)	pure s	ilver	
	6.	c) Ele pe	electrons and ements in the riods. 7, 18	l neuti moder	ons n periodic ta	d) able are	proton arrang	ns and ne jed in	eutro	ns group	s and	Maria.
		lde a) Sm	ntify the anima lizard ooth muscles	l havii b) occur	ng four cham snake iń	nbered h	eart croco	dile ago	d) c	calotes	audien Versi	
).	Coi a)	uterus mpanion cells sieve elemen orophyll in a le	are cl	osely associ vessel elem	ated with	tricho	The State of the S	d) g	guard o	cells	NeQ-
	1.	a) c) Trai	photosynthes transpiration aspiration take	is s plac	e through	(b into	nastic		ents	eda a Seja	U stany	
1:	2. /	Airs	fruit sacs and pneu fish	matic b)	seed out bones are s frog	een in _	bird	9 lo	d) t	pat	Selection	
14. 15. 16.	St. De	efir tate efin ate	wer any 7 que ne Least count Pascal's law. e Sublimation Modern period are frogs said	estion of an	s. (Q.No.22 y device.	is comp	oulsor	ry)	ento o to	5.00	ndy ng ani	3.18

18. Match the following:

A) Coelenterata i) Snail

B) Platyhelminthes - ii) Starfish

C) Echinodermata - iii) Tapeworm

D) Mollusca - iv) Hydra

19. Why should gametes be produced by meiosis during sexual reproduction?

Sunlight + 60,1 20. 6CO, + Chlorophyll

21. Differentiate Photonasty from Phototropism.

22. Calculate the atomic number of an element whose mass number is 39 and the number of neutrons is 20. Find the name of the element.

Part - III

III. Answer any 7 questions. (Q.No.32 is compulsory)

IX Science

23. Differentiate mass and weight.

24. i) State the laws of floatation ii) What is meant by atmospheric pressure?

25. How are homogeneous solutions different from heterogenous solution? Explain with examples.

26. Give an account on phylum annelida.

27. List five characteristic features of fishes.

28. List out the differences between Mitosis and Meiosis.

29. How will you differentiate the different types of transpiration?

30. Differentiate between tropic and nastic movements.

31. Draw the structure of oxygen and sulphur atoms.

32. A 900 kg car moving at 10 ms-1 takes a turn around a circle with a radius of 25 m. Determine the acceleration and the net force acting upon the car.

Part - IV

IV. Answer all the questions.

(Draw diagrams wherever necessary)

33. a) Write the rules that are followed in writing the symbols of units in the SI system.

(OR)

b) Explain the construction and working of a hydrometer with diagram.

34. a) Explain the postulates of Bohr's atomic model.

(OR)

What are the limitations of Mendeleev's periodic table. (4)

ii) Write the differences between elements and compounds. (3)

Give an account on Phylum Arthropoda.

b) What are permanent tissues? Describe the different types of simple permanent tissues.