TS9S

## Tenkasi District Common Examinations Common Hait Yearly Examination - December 20

		-	TY	TY	
022	-	L		لب	

## Standard 9

SCIENCE Marks: 75 Time: 3.00 Hrs. 12×1=12 I. Choose the correct answer: 1) I metric ton is equal to d) 1/100 quintals a) 100 quintals b) 10 quintals c) 1/10 quintals The aera under velocity - time graph represents the a) velocity of the moving object b) displacement covered by the moving object c) speed of the moving object d) acceleration of the moving object The size of an air bubble rising up in water \_\_\_ a) decreases b) increases d) may increase or decrease c) remains same is essential to perform separation by solvent extraction method. a) Separating funnel b) Filter paper c) Centrifuge machine d) Sieve The term nucleons refer to \_\_\_ a) protons and electrons b) only neutrons c) electrons and neutrons d) protons and neutrons 6) Number of valence electrons in carbon is \_ c) 3 b) 4 Apple contains malic acid. Orange contains \_\_\_ c) sulphuric acid d) tartaric acid a) citric acid
 b) ascorbic acid Mesoglea is present in \_\_\_\_\_\_. a) Pori fera b) Coelenterata c) Annelida d) Arthropoda a) epiphytes b) hydrophytes c) halophytes d) xerophytes 10) Bile helps in the digestion of a) Proteins b) Sugar c) Fats d) Carbo hydrates 11) An internal factor responsible for spoilage of food is \_\_\_\_ a) Wax coating c) Moisture content in food b) Contaminated utensils d) Synthetic preservatives. 12) The primary organ infected during tuberculosis is \_\_\_\_\_ a) bone marrow b) intestine c) spleen d) lungs II. Write ANY SEVEN questions. Q.No. 22 is compulsory: 7×2=14 13) What are electric lines of force? 14) State Fleming's Left Hand Rule. 15) Pick out the concave and convex mirrors from the following and tabulate them: (Rear view mirror, Dentists mirror, Torch-light mirror, Mirrors in shopping malls, Make-up mirror) 16) Define - Sublimation. 17) State modern periodic law. 18) Fill in the blanks: i) The green pigment present in the plant is ii) The response of a plant part towards gravity is \_\_\_\_ 19) Mention any two vital functions of human kidney.

20) Differentiate - Kwashiorkar from Marasmus, 21) Expand the following: (1) WHO (2) HIV

Ts9S		2	
22	Two	acids 'A' and 'B' are given. Acid A gives one	Kinger
37.74	of th	re acid in solution. Acid B gives the two hyc	his and in the molecule
	the	acid in solution.	rogen lons per molecule of
		Find out acid A and B.	1. 19
	10 V	Which acid is called the Line of the set of a	THE RESERVE TO THE RESERVE THE
	117 1	Which acid is called the king of chemicals?	
A		CENTER	
Answei	FANY	SEVEN questions. Q.No. 32 is compulsor	y: 7×4≈28
23)	a) [	Define measurement.	
(2004)	b) F	find the mass of an object weighing 98N.	
24)	Drav	v a neat diagram of an AC generator	
25)	Wha	t are nucleons? How many nucleons are nre	sent in phosphorogic? Draw
	112 2	ducture.	sant in phosphorous: Estate
26)	Why	are Noble gases inert in nature?	
27)	a) V	What are the uses of "Plaster of Paris"?	
	b) V	What is neutralization reaction? Give an exam	
28)	True	or False (if false give the correct staten	npie.
	a) ()	Parenchyma is a simple tissue.	nent):
45	u, .,	) Phloom is made after the it	
	h\ '/	) Phloem is made of tracheids.	
	<i>U)</i> V	What is the consequence that occur if all blo	od platelets are removed
201	11	om the blood?	
29)	Mate	ch column A with column B:	
		Α	В
	i) R	oots are growing downwards into soil	<ul> <li>Positive phototropism</li> </ul>
	ii) S	hoots growing towards the light	- Negative geotropism
	iii) S	hoots growing upwards	- Negative phototropism
	iv) R	oots growing downwards away from light	- Positive geotropism
30)	a) D	ifferentiate: Incisors and Canines	-ositive geotropism
4	b) F	ill in the blanks:	
1	, i	The muscular and seems.	TWEN.
	.,	The muscular and sensory organ which he	elps in mixing the food with
	223	saliva is	140
241	- 113	The longest part of alimentary canal is	
31)	Expla	in any two methods of food preservation.	
32)	Sugg	est the immunization schedule for a newborn	baby till 12 months of age.
	Why	it is necessary to follow the schedule?	
IV. Give	ansı	wer any one in each question:	3×7=21
33)	a) i)	State the law of floatation.	3×7=21
	(ii	Why does a helium balloon float in air?	
	4		
	h) =1	(OR)	
	U) a)	Draw ray diagrams to show how the image	s formed using a concave
		mirror, when the position of object is	
		(i) at C (ii) between C and F	
	1	(iii) between F and P of the mirror	
	(b)	Mention the position and nature of image	In each case
34) 8	a) i)	What conclusions were made from the observa	ations of Gold foil experiments
	ii)	Write the electronic configuration of K and	4 CI
	7	(OR)	u ci.
1	1) 1/1	rite any five uses of salts.	
251 -	1) 5)	Comment uses of saits.	
33) 6	1) 1)	Comment on the aquatic and terrestrial ha	bits of amphibians.
	ii)	How does locomotion take place in starfis	h?
		(OR)	
b	) 1)	Suggest precautionary measures you can to	ake in your school to reduce
111111111111111111111111111111111111111		the incidence of infectious disease.	
1	ii)	Define - Pathogen.	
	-0.7	A Company	