VNR8S

Virudhunagar District

Common Half Yearly Examination - December 2024



		Standard 0	r, 2024	
Tim	ne: 2	Standard 8		
I.	Cho	SCIENCE	Marks: 100	
	1)	oose the best answer:	12×1=12	
	-,	Which of the following liquids has more viscosity?	기가 생활을 취내했다. 얼마 많은 작성이	
		D) Water	d) Ghee	
	-/	Canada Hintor used as a rear view mirror in th	e vehicle is	
17.		b) Convex mir	ror	
	3)	The process of the	e above	
	• • •	The process of converting a liquid into a solid is call	ed	
		D) Condensation c) freezing	d) deposition	
		Which of the following may be caused by noise?		
	5)	a) Irritation b) Stress c) Nervousness Symbol of mercury is	ss d) All the above	
	-,	a) An		
	6)	a) Ag b) Hg c) Au Aerated water contains	d) Pb	
		2/2/2		
	7)	Cathode rays are made up of	kide d) nitrogen	
		a) neutral particles b) positively of		
		a) neutral particles b) positively c c) negatively charged particles d) None of th	charged particles	
	8)	Permanent hardness of water is due to the presence	e above	
		a) Sulphate and Chlorides b) Dust partic	e or	
		c) Carbonates and bicarbonates d) Other solution	olo particles	
	9)	shows both living and non living characteristics.		
		a) Protozoa b) Virus c) Bacteria	d) Fungi	
	10)	One of the following is an edible mushroom.	o) rungi	
		a) Polyporus b) Agaricus c) Pennicillium	d) Asperaillus	
11	11)	Cockroach moves with the help of its		
		a) leg b) bone c) muscular f	oot d) whole body	
	12)		ndocrine glands.	
		a) Hormones b) Enzymes c) Proteins	d) Fatty acids	
11.	Fill	in the blanks:	5×1=5	
	13)	The solid angle is measured in		
	14)	is a device that protects building from lightning strike.		
		is the basic material to manufacture urea.		
- 1	16)	Wasp sting contains	all and which it	
	17)	The largest cell is egg of an		
Ш.	Sta	te True or False. If false, correct the statement:	5×1=5	
	18)	A body will sink if the weight of the body is greater than the buoyant force.		
		In parallel circuit, current remains the same in all components.		
	20)	A chemical reaction is a temporary reaction.		
		Yeast is used in the large scale production of alcoh	ıol.	
		Cardiac muscle is a voluntary muscle.		
IV.		tch the following:	5×1=5	
		A) Universal solvent - Water pollutant		
		B) Hard water - Kills germ		
		그 사용하는 사람들이 되는 것이 되었다. 그는 사람들이 되었다면 그렇게 되었다면 그렇게 되었다.		

C) Boiling - Ozonisation
D) Sterillization - Water
E) Sewage - Stomach ailments

Kindly Send Me Your Key Answer to Our email id - Padasalai.net@gmail.com

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10×2=20

- V. Answer any 10 questions:

 - 25) Name two instruments which help to measure the pressure of a fluid.
 - 26) State Snell's law of refraction.
 - 27) What are the applications of conduction in our daily life?
 - 28) A sound wave travels 2000m in 8s. What is the velocity of the sound?
 - 29) Mention any three compounds that exist in liquid state,
 - 30) What is pollution?
 - 31) Why does the fish die when it is taken out of water?
 - 32) Write the properties of anode rays.
 - 33) What is a neutralization reaction?
 - 34) What are antibiotics?
 - 35) Write any two economic importance of fungi.
 - 36) Mention the function of "Alveoli".
 - 37) What is cranium?
 - 38) List out the changes which occur during puberty.

VI. Answer any 8 questions:

- 39) Mention any three ways of minimising friction.
- 40) Give any two applications of a concave and convex mirror.
- 41) Explain the working of thermos flask.
- 42) What steps should be taken to reduce the effect of noise pollution?
- 43) Give reasons for the following:
 - A) Sodium and Potassium are stored in Kerosene.
 - B) Mercury is used in thermometers.
- 44) Balance the following chemical equation.
 - a) $Na+O_2 \rightarrow Na_2O$
 - b) $Ca+N_2 \rightarrow Ca_3N_2$
 - c) $N_2+H_2 \rightarrow NH_3$
 - d) $CaCO_3+HCI \rightarrow CaCl_2+CO_2+H_2O$
- 45) What are the methods of removing hardness of water?
- 46) What are the uses of acids?
- 47) How microorganisms are useful in the field of medicine?
- 48) Write the differences between gymnosperm and angiosperm.
- 49) Draw the structure of human eye and label its parts.
- 50) Explain the nutritional needs of adolescence in brief.

VII. Answer in detail:

3×7=21

51) A) Write a short note on different types of clocks.

(OR)

- B) Explain three ways of charge transfer.
- 52) A) Explain the environmental effects of chemical reactions.

(OR)

- B) What are the effects of acid rain? How can we prevent them?
- 53) A) i) Why microorganisms are essential for agriculture?
 - ii) Write the names of any three protozoans.

(OR)

- B) i) Tabulate the differences between aerobic and anaerobic respiration.
 - ii) State different types of tissues.