COMMON HALF YEARLY EXAMINATION - 2023

Standard - VIII SCIENCE Time : 2.30 hrs Marks: 100 I. Choose the best answer:-1) Electric current is a _ 15×1=15 ____ quantity a) base b) supplementary c) derived d) professional 2) Pressure exerted by a liquid increased by a) the density of the liquid b) the height of the liquid column c) Both a and b d) None of the above 3) The spherical mirror with a reflecting surface curved inward is called a) convex mirror b) concave mirror c) curved mirror d) None of the above
 The process of converting a liquid into a solid is called a) sublimation b) condensation c) freezing d) deposition 5) Which of the following a simple circuit must have? a) Energy source, Battery, Load b) Energy source, Wire, Load c) Energy source, Wire, Switch d) Battery, Wire, Switch 6) Sound waves travel very fast in a) air b) metals c) vacuum d) liquid 7) The liquid metal used in thermometers is a) copper b) mercury d) gold Burning of paper is a ____ change
 a) physical b) chemical c) physical and chemical d) neutral 9) Which of the following is true about oxygen? a) Completely burning gas
b) Partially burning gas
c) Doesn't support burning
d) Supports burning
10) The gas collected at the cathode on electrolysis of water is
a) oxygen b) hydrogen
c) nitrogen
d) carbon dioxide
11) Microorganisms are measured in a) cm b) mm c) micron d) meter 12) Solanum trilobatum is the binomial name of Thoothuvalai. The word "Solanum" refers to b) Genus c) Class a) Species d) Orders 13) _____ is touch and thick white sheath that protects the inner parts of the eye a) Sclera . b) Conjuctive . 14) Cockroach moves with the help of its . c) muscular foot . d) whole body . b) bone . c) muscular foot . d) whole body . c) a) Sclera b) Conjuctiva c) Cornea d) Iris a) leg b) bone c) muscular to age 15) Adolescence is the period of life between ______ years of age a) 10 to 16 b) 11 to 17 c) 11 to 19 d) 11 to 20 5×1=5 U. Fill in the blanks:-5×1=5 16) The solid angle is measured in _____ with the depth of the column. 18) The element which possess the character of both metals and non metals are 19) Photosynthesis is a chemical reaction that takes place in the presence of _____ 20) _____ is prepared from a mould called penicillium. III. State only True or False. 21) The charge acquired by an ebonite rod rubbed with a piece of flannel is negative f 22) The applied heat energy can be realised as an increase in the average kinetic enery of the molecules.7 23) Sewage should be treated well before being dischared it into water bodies.

24) In hypotonic condition, concentration of the external and the internal solution of

the organism are same. f

25) Skull in humans consists of 22 bones T

IV. Match the following:-	5×1=5
26) Conduction - Iron	
26) Conduction	
2/1 Dispersion of Figure	and the second second
Zoj Okjgen	
231 1,0001113	living animals
	1×5=5
v. Draw and label the parts:-	
31) Structure of Yeast	15×2=30
VI. Answer briefly:-	
32) What is measurement? 33) Give two examples to verify that a force	changes the shape of a body
23) Give two examples to verily that a lorde	changes the shape of a ser,
35) What are the applications of contact	our daily mor
an What is earthing?	
37) What is vibration?	to toutes then equal?
37) What is vibration? 38) Give an example to show that light trave	is faster than sound?
38) Give an example to show that light tave 39) Can you store pickle in an aluminium ute	ensil? Give reason.
	and non-metals.
a chemical reaction.	
the physical properties of onlygen	
	inds.
43) Write the names of the following of the local state of the following o	d) PCI,
and at cathode and a	node when water is electrolyzed.
44) Name the gas evolved at cathods and	n their shape.
45) Write the four types of bacteria, based o	
46) Match the following:-	
A. Cyanophyceae Green algae	120
B. Chlorophyceae Blue green alg	
C. Phaeophyceae Red algae	
D. Rhodophyceae Brown algae3	
47) Doffro Prokaryotic cell	A Administration
48) Differentiate between the following:-	a) Movement and Locomotion
49) What is adolescence?	
VII. Answer any seven of the following:-	7×5=35
51) List out the base quantities with their un	its.
51) List out the base quantities may be splain	
52) Friction is a necessary evil - Explain	mirror.
53) Explain the images formed by a concave	
EAL Cities reaccon	하는데 그 그 그 그렇게 하다 없어야 하면 적용하는데 하는 그 날이 그리고 있다. 그런 사람이 살아보다 살아 되었다.
	medeup of metallic substances.
a) Aluminum foils are used to wrap lood b) Immersion rods for heating liquids are	madeup of inclaims chemical. Can you
b) Immersion rods for heating liquids are 55) Adithya wants to classify the fllowing chan	iges as physical of chambon 220)
help him?	a must a stiron 4 Spoilage of food
	3. Rusting of iron 4. Spoilage of food
1. Melting of ice 2. Ripering of ice 5. Bursting crackers	7. Burning of campnor
J. Bulling of Wood S. 25	THE PARTY OF THE P
O. C.	

Chemical changes
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56) What happens when carbon dioxide is passed through lime water? Write the equation for this reaction.

Write a short note on bacteria and its structure.

Draw the outline of Bentham and Hooker's system of classification.

Draw the structure of human eye and label its parts. Name the different types of joints? Give one example for each type.