GENIUS HIGH SCHOOL :: BHUVANAGIRI PERIODIC TEST - II

Subject :General Science Class : X		Marks :40 Time : 1 ½ Hrs
I. Choose the correct answer:		$(40 \times 1 = 40)$
 1. Which of the following is a displacement reaction? a) mgco₃ → mgo + CO₂ c) 2H₂ + O₂ → 2H₂O 	b) 2Na + 2H ₂ O	
2. Which of the following are exothermic processesi) Reaction with water with quick limeiii) Evaporation of watera) i and iib) ii and iiic) i and ivd) ii	ii) Dilution of acid iv) Sublimation of cam and iv	phor
3. What type of chemical reactions take place when electa) Displacementb) combination	etricity is passed through w c) decomposition	
4. A substance added to food containing fats and oils isa) oxidantb) rancidc) coolant	called d) antioxidant	
5.Name the products formed when iron fillings are heater a) Fe(III) chloride & water c) Fe(II) chloride & hydrogen gas	ed with dilute Hcl acid b) Fe(II) chloride & wate d) Fe(III) chloride & hyd	
6. Identify 'x', 'y' and 'z' in the following balanced react $x \text{ Pb(NO}_3)_2$ (S) $\xrightarrow{\text{HEAT}}$ $y \text{pbo(S)} + Z \text{NO}_3$ a) 2,4,2 b) 2,2,4 c)2,4,4 d) 4,2,2		
7. Which of the following reaction will not take place. a) Zn + Cuso ₄ \longrightarrow Znso ₃ +C4 b) 2KBS + C b) Zn +mgso ₄ \longrightarrow Znso ₄ + mg d) mg + Fes		
8. $Mno_{2} + 4Hcl$ \longrightarrow $Mncl + H_{2}O + cl_{2}$. The oxide a) Mno_{2} b) Hcl c) $Mncl_{2}$	lising agent is d) Ag + Zn (NO ₃) ₃	
9. Assertion: Zinc reacts with sulphuric acid to form Zinc Reason: Zinc reacts with oxygen to form Zinc oxide a) Assertion is wrong & reason is correct		are correct & reason is not correct
explanation c) Both are wrong	d) None of these	
10.A balanced chemical equation has equal masses of va a) products only b) products and reactants	c) only reactants	d) none of these
11.Cao +2Hcl — Cacl ₂ + H ₂ O is neutralisation re a) true b)false c) reaction is not valid	action d) none	
12.Match the following:- Column-1	Column	ı_2
a.food is cooked	<u>Column-2</u> i) physical change	
b.evaporation of water	ii) word equation	
c.writing chemical equation in word	· · · · · · · · · · · · · · · · · · ·	
d.not balanced chemical equation	iv) skeletal equation	
13 & 14. $Fe_2+2A1 \longrightarrow Al_2O_3 + 2Fe$, is exam a) Combination reaction	b) Double displace	
b) Decomposition reaction	d) Displacement re	eaction
, , , , , , , , , , , , , , , , , , , ,	milk is turned into curd	d)photosynthesis process
16. Which type of chemical reaction is involved in blacka) Displacement reactionc) Combination reaction	& white photography? b) Double displacement reaction d) Decomposition reaction	

$17.\text{Zno} + \text{C} \longrightarrow \text{Zn} + \text{CO}$, Choose the correct option			
a) Carbon is reduced & Zinc is oxidisedc) Carbon & Zinc both are reduced	b) Carbon is oxidised & Zinc is reducedd) Carbon & Zinc both are oxidised		
,			
18. Which of the balanced equation is correct for given we dioxide and gives calcium carbonate & water	rd equation, carcium hydroxide reacting with carbon		
a) $Ca(OH)_2 + CO_2 \longrightarrow Caco_3 + 2H_2O$	b)Ca(0H) + CO ₂ \longrightarrow 2Caco ₃ + H ₂ O		
b) $Ca(0H)_2 + CO_2 \longrightarrow CaCO_3 + 2H_2O$	$d)Ca(0H) + 2CO_2 \longrightarrow 2CacO_3 + H_2O$		
	u)Ca(011) + 2CO ₂		
19. Endothermic reaction is	a) bath a fr b d) Nana		
a) energy released b) energy is absorbed			
20. Which one of the following types of medicine is used for treating indigestion			
a) antibiotic b) analgesic c) antacid d) antiseptic			
21.10ml of solution of NaOH is found to be completely neutralised by 8ml of a given solution of Hcl. If we take			
20ml of the same solution of NaOH, the amount of Hcl solution required to neutralise it will be.			
a) 4ml b) 8ml c) 12ml	d) 16ml		
22.Acid + salt & water			
a) Base b) acid c) CO ₂	d) Oxygen		
23. Which gas is evolved when acid reacts with Zinc metal?			
a) Hydrogen b) Nitrogen	c) CO ₂ gas d) Oxygen		
24. A solution turning red litmus (indicator) into blue colo	our		
a) acid b) base c) water 2	d) none		
25. Identify acid of the following			
-	NaOH d) Ca(OH) ₂		
26. Which of the following are energy foods?			
a) Carbohydrates and fats b) p	roteins and mineral salts		
c) vitamins and minerals d) w	ater and roughage		
27. In which mode of nutrition an organism derives its food from the body of another living organism without			
Killing			
, <u>.</u> .	Parasitic nutrition		
	b) Holozoic nutrition d) Autotrophic nutrition		
28. Assertion(A): Digestion in Human body is extra cellu			
Reason (R): Digestive system of man comprises two parts			
a) Both A) and R) are true R is correction explanation of (A)			
b) Both A) and R) are true R is not correction explanation of (A)			
c) (A) is true (R) is false			
d) (A) is false but (R) is true			
29. Assertion (A): Haemoglobin is the respiratory pigment in man.			
Reason (R): Haemoglobin is helpful in transportation of O ₂ and CO ₂ a) Both A) and R) are true R is correction explanation of (A)			
b)Both A) and R) are true R is not correction explanation of (A)			
c) (A) is true (R) is false			
d) (A) is false but (R) is true			
30. Roots of the plants absorbs water from the soil through	the process of		
a) diffusion b) transportation c) osmosis	d)none of these		
31. Which of the following events in the mouth cavity will	,		
•	otein breaking down into amino acids		
	d) fats breaking down into fatty acids and glycerol		
32. What are the products obtained by anaerobic respiration in plants?			
a) lactic acid + energy b) C	b) CO ₂ +water+energy		
c)ethonol + CO_2 + energy d) py	d) pyruvate		

33.Identify the correct path of urine in the human body.			
a) kidney → urinary bladder → urethra → ureter			
b)urinary bladder → ureter → kidney → urethra			
c) kidney			
b)kidney → ureter → urinary bladder → urethra			
34.Read the following and choose the correct statements.			
a) The blood has platelet cells, which help in blood cloting.			
b) Breaking of pyruvate using O ₂ takes place in the mitochondria.			
c) Rings of cartilage are present in the wind pipe to ensure that the air passage does not collapse.			
d) Xylem transports the food materials from the leaves to the plant body.			
a) a & b b) a & c c)a & b & c d) All are correct			
35. The procedure used for cleaning the blood of a person by separating urea is called.			
a) osmosis b) filtration c) dialysis d) double circulation			
36. When a few drops of Iodine solution are added to the rice water, the solution turns blue-black in colour. This			
indicates that rice water contain			
a)fats b)complex proteins c) starch d) simple proteins			
37. When water enters the guard cells the stomata			
a) opens b)closes c) opens and closes d) no effect			
38. Find the correct matching			
Column-1 Column-2			
a. Right Atrium i) Oxygenated blood			
b. b.Right Ventricle ii) de-Oxygenated blood			
c. Left Atrium iii) pumps the blood to the lungs			
d.Left Ventricle iv) pumps the blood to body parts			
a) a-ii, b-i,c-iii,d-iv b) a-ii, b-iii, c-i,d-iv c) a-iv, b-ii, c-iii,d-i d)a-ii, b-iii, c-iv, d-I			
39. Due to sternous exercise which of the following is formed in muscles.			
a) Hydrochloric acid b) Lactic acid c) Fumeric acid d) Pyruvate			
40. Contraction waves started form the following in Heart are			
a) Sino-Auricular node b) Auriculo ventricular node c) Bundle of hiss d) none of these			