General Science Model Test Questions 28 With Answers [Chemistry - 6]

11. Learni	Match the following us ng Leads To Ruling	ing codes given b	elow:		Page 1 of 11				
	(A) Glass	(B) Graphite		(C) Teflon	(D) Silicon				
10.	Non-stick kitchen ware	is coated with							
	(A) 1 m HCl	(B) 1 m NaOH		(C) 1 m NH₄OH	(D) 1 m Na ₂ CO ₃				
9.	Which has the highest p	oH?							
	(A) 0.1 m urea	(B) 0.1 m NaCl		(C) 0.1 m sucrose	(D) 0.1 m Glucose				
8.	Which one of the follow	ving has the high	est boili	ng point?					
	(A) 12 (B) 6	(C) 8		(D) 4					
7.	The co-ordination number of atoms in BCC lattice is								
	(C) [Pt(NH ₃) ₂]Cl ₄		(D) [Pt($NH_3)_2CI_4]$					
	(A) [Pt(NH ₃) ₂ Cl ₄]Cl ₂		(B) $K_4[Pt(NH_3)_2CI_4]$						
6.	The formula of tetra chlorodiamine platinum (iv) is								
	(C) Hexamethylene diamine and adipic acid (D) Ethylene glycol and adipic acid								
	(A) Phenol and formald	ehyde		(B) Ethylene glycol and	phthalic acid				
5.	Nylon 66 is prepared from	om							
	(A) Dizioxin	(B) Lasix		(C) Isonex	(D) Brufen				
4.	One of the following is	a heart drug							
	(C) Anti-inflammatory		(D) Ant	imirobial					
	(A) Antihypertensive		(B) Anti	iconvulsant					
3.	Dilantin sodium is an								
	(C) Fractional distillation	on	(D) Frac	ctional crystallization					
	(A) Steam distillation		(B) Solv	ent extraction					
2.	Economical method of separation of essential oils from natural sources is possible by								
	(A) Acidic	(B) Basic		(C) Neutral	(D) None of the above				
1.	AN aqueous solution of pH zero is								

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(a) Glass

1. Phosphorous

(b) Cement

2. Clay

(c) Matches

3. Silica

d

2

(d) Ink

4. Carbon black

Codes:

- a b c
- (A) 3 1 4
- (B) 1 2 3 4
- (C) 3 2 1 4
- (D) 4 2 1 3
- 12. What is the composition of baking powder?
 - (A) Na₂CO₃ + Acetic acid
- (B) NaHCO₃ + Citric acid

(C) $NaHCO_3 + Na_2CO_3$

- (D) NaHCO₃ Tartaric acid
- 13. What is THERAPEUTICS?
 - (A) Science of art of heating
- (B) Science of art of cosmetics
- (C) Science of medicine
- (D) Science of nature
- 14. Identify the manmade element
 - (A) Carbon
- (B) Gold
- (C) Californium
- (D) Calcium

- 15. Which of the following is not an inert gas?
 - (A) Helium
- (B) Neon
- (C) Freon
- (D) Xenon

- 16. The metal present in vitamin B-12 is
 - (A) Magnesium
- (B) Copper
- (C) Iron
- (D) Cobalt

- 17. LPG contains
 - (A) Methane, Ethane and Hexane
- (B) Ethane, Hexane and Nonane
- (C) Methane, Butane and Propane
- (D) Ethane, Octane and Nonane
- 18. Natural rubber is a polymer of
 - (A) Ethylene
- (B) Isoperene
- (C) Buna-N
- (D) Buna-S

19. A photographic plate uses

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	(A) Silver bromic	le	3) Silver chloride				
	(C) Silver iodide		(D) Potassium bromide				
20.	The sour taste of curd is due to						
	(A) Acetic acid	(B) Citric acid	(C) Lactic acid	(D) Tartaric acid			
21.	Ornament Gold i	S					
	(A) 24 carat	(B) 22 carat	(C) 20 carat	(D) 18 carat			
22.	Laughing gas is						
	(A) Nitric oxide	(B) Nitrous oxid	de (C) Zinc oxide	(D) Copper oxide			
23.	Pethidine is an						
	(A) Antibiotic	(B) Alkaloid	(C) Analgetic	(D) Antipyretic			
24.	Law of mass action	on was given by					
	(A) Faraday	(B) Arrhenius	(C) Ostwald	(D) Guldberg and Waage			
25.	Oxidation is						
	(A) Addition of h	nydrogen	(B) Addition of water				
	(C) Addition of o	xygen	(D) Addition of benzene				
26.	Terylene is						
	(A) Polyamide	(D) Delvester	(C) Dal allo				
	(-1//	(B) Polyester	(C) Polyether	(D) Polyurthane			
27.		ble for fruit ripening is	(C) Polyether	(D) Polyurthane			
27.			(C) Polyether (C) Ethylene	(D) Polyurthane (D) SO ₂			
27.28.	The gas responsi (A) CO	ble for fruit ripening is (B) CO ₂					
	The gas responsi (A) CO	ble for fruit ripening is (B) CO ₂ owing is used as a pres	(C) Ethylene				
	The gas responsi (A) CO Which of the foll	ble for fruit ripening is (B) CO ₂ owing is used as a pres bonate	(C) Ethylene ervative of food articles?				
	The gas responsi (A) CO Which of the foll (A) Sodium bicar (C) Sodium carbo	ble for fruit ripening is (B) CO ₂ owing is used as a pres bonate	(C) Ethylene ervative of food articles? (B) Sodium benzoate (D) Sodium chloride				
28.	The gas responsi (A) CO Which of the foll (A) Sodium bicar (C) Sodium carbo The gas that should	ble for fruit ripening is (B) CO ₂ owing is used as a pres bonate onate	(C) Ethylene ervative of food articles? (B) Sodium benzoate (D) Sodium chloride				
28.	The gas responsi (A) CO Which of the foll (A) Sodium bicar (C) Sodium carbo The gas that show (A) O ₂	ble for fruit ripening is (B) CO ₂ owing is used as a pres bonate onate uld not be used for exti	(C) Ethylene ervative of food articles? (B) Sodium benzoate (D) Sodium chloride nguishing fire is (D) CO ₂				

	The correct answer is								
	(A) I and IV	(B) I and III		(C) II and III	(D) I and II				
31.	Which gas leaked in Bhopal tragedy?								
	(A) Carbon monoxide		(B) Sulp	ohur dioxide					
	(C) Methyl iso-cyanide		(D) Mercaptan						
32.	The important substance	ce used Vulcanisa	ation of	rubber is					
	(A) Carbon	(B) Phosphorou	S	(C) Silicon	(D) Sulphur				
33.	In oxidation reactions								
	I. Valency is increased	II. Elect	ron is ac	dded					
	III. Electron is removed	IV. Hydi	rogen is	added					
	The correct answer is								
	(A) I and II	(B) I and III		(C) I and IV	(D) III and IV				
34.	Gun metal is alloy of								
	(A) Cu and Sn	(B) Cu, Zn and N	li	(C) Cu, Zn and Sn	(D) Cu and Al				
35.	The chemical name of 0	Calomel is							
	(A) Calcium chloride		(B) Mei	rcuric chloride					
	(C) Mercurous chloride		(D) Alu	minium chloride					
36.	Oil of vitriol is								
	(A) Sulphuric acid		(B) Me	thyl salicylate					
	(C) Nitrobenzene			(D) Hydrofluoric acid					
37.	Which of the following	is an ester?							
	(A) Coconut oil	(B) Kerosene oil		(C) Glycerine	(D) Xylene				
38.	To demonstrate the mo	ovement of water	r, which	of the following solution	ns used?				
	(A) Eosin	(B) Safranin		(C) Fast green	(D) Amido black				
39.	Some of the elements i	n enzymes functi	ion as						
	(A) Chelators	(B) Inhibitors		(C) Cofactors	(D) Co-enzymes				
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40.	One of the following is used for artificial ripening of banana:								
	(A) Auxin	(B) ABA		(C) Coumarin	(D) Ethylene				
41.	Acid rain that affects plants and animals is mainly due to this gas								
	(A) Carbon dioxide		(B) Sul	(B) Sulphur dioxide					
	(C) Manganese dioxide		(D) Hyd	drogen cyanide					
42.	Kerosene oil is an example of								
	(A) Vegetable oil	(B) Essential oil		(C) Mineral oil	(D) Natural oil				
43.	Which is the substance	that is not prese	ent in au	tomobiles exhausts?					
	(A) Oxides of Nitrogen	(B) Caron mond	oxide	(C) Lead	(D) Carbon dioxide				
44.	Pencil lead is made of								
	(A) Lead	(B) Graphite		(C) Charcoal	(D) Coal				
45.	Temporary hardness of	f water is due to	the pres	sence of					
	(A) Bicarbonates of Ca	and Mg	(B) Chl	orides of Ca and Mg					
	(C) Sulphates of Ca and	Mg	(D) All	these					
46.	Vitamin B ₁ is called								
	(A) Riboflavin	(B) Thiamine		(C) Pyridoxin	(D) Citric acid				
47.	Hardness of water is du	ue to the present	ce of						
	I. Salts of Calcium		II. Salts	s of Iron					
	III. Salts of Potassium		IV. Salt	s of Magnesium					
	(A) I and III	(B) I and IV		(C) I and II	(D) II and III				
48.	Rayon is								
	(A) Natural rubber	(B) Artificial sil	k	(C) Natural silk	(D) Artificial rubber				
49.	The important buffers	present in the bl	ood is						
	(A) CH₃COONH₄		(B) CH ₃	COOH / CH₃COONa					
	(C) H ₂ CO ₃ / HCO ₃		(D) Na	H ₂ PO ₄ / Na ₂ H PO ₄					
50.	Which is true of the fol	lowing?							

	(A) All known elements are present in nature								
	(B) Elements can be solids or liquids or gases								
	(C) All element	s react w	vith one anothe	r					
	(D) All compou	nds cont	ain carbon						
51.	Phytochrome is	S							
	(A) Chromope	ptide		(B) Dipe	(B) Dipeptide				
	(C) Fatty acid			(D) Nuc	cleic acid				
52.	Gobar gas is a ı	mixture (of						
	(A) CH ₄ CO and	H ₂		(B) CO	and N ₂				
	(C) CO and H ₂			(D) Nor	ne of these				
53.	Which chemica	al is used	for preserving	the biolo	gical specimens	in the laboratories?			
	(A) Phenol	(B) Ben	zaldehyde	(C) Ace	taldehyde	(D) Formaldehyde			
54.	Quarts is								
	(A) Sodium silid	cate		(B) Aluı	mina				
	(C) Calcium sili	cate		(D) Silid	(D) Silica				
55.	Which is the fir	rst man r	nade elements?	?					
	(A) Sc	(B) Os	(C) Tc		(D) Hg				
56.	What is not con	rrect abo	out colloids?						
	(A) They canno	t be see	n by naked eyes	5	(B) They scatter	rlight			
	(C) They keep r	moving c	onstantly		(D) Their stability is increased by adding an electrolyte				
57.	The raw mater	ial for th	e manufacture	of paper	is				
	(A) Paparerine		(B) Starch		(C) Cellulose	(D) None of the above			
58.	The compound	l used to	prepare Bakelit	te is					
	(A) Ethyl alcoho	ol	(B) Acetaldehy	⁄de	(C) Phenol	(D) Oxalic acid			
59.	Acetyl Salycilic	acid is u	sed as						
	(A) Tear gas		(B) A fertilizer		(C) Pain killer	(D) Anaesthetic			
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60.	0. The highest known atomic number is								
	(A) 100	(B) 108	(C) 120)	(D) 118				
61.	Which one of the following is correctly matched?								
	(A) Rock salt mainly consist of				- Sodium				
	(B) 'Plaster of	paris' is chem	ically know	n as	- Ptyalin				
	(C) Haemoglob	oin consist of	a metal		- Gypsum				
	(D) Starch is di	gested by			- Iron				
62.	The peak of Lo	thar Meyer A	tomic curve	e is occup	pied by				
	(A) Halogens	(B)	Alkali meta	ls	(C) Alkaline earth metro	es	(D) Inert gases		
63.	When calcium	carbide is tre	eated with c	old wate	er, the gas evolved is				
	(A) Acetylene	(B)	Oxygen		(C) Ethylene		(D) Methane		
64.	The element u	sed in vulcan	izing rubber	ris					
	(A) Boron	(B)	Iodine		(C) Sulphur		(D) Phosphorous		
65.	Urea is very go	ood fertilizer l	pecause						
	(A) It is easy p	repared		(B) The	nitrogen content is mo	re			
	(C) It is easily a	available		(D) Nor	ne of these				
66.	Which one of t	the following	is an ionic c	rystal?					
	(A) Ice	(B)	Salt		(C) Diamond	(D) San	d		
67.	Gold used for	making ornar	nents is an a	alloy of					
	(A) Gold and c	opper		(B) Gold and silver					
	(C) Gold and b	ronze		(D) Gol	d and mercury				
68.	The less electr	onegative ele	ement in the	haloger	n family is				
	(A) Bromine	(B)	Chlorine		(C) Fluorine	(D) lod	ine		
69.	In the Vapour	state, phosph	orus exists	as					
	(A) P ₂	(B) P	(C) P ₄		(D) P ₃				
70.	Ammonia is								

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	(A) An acid	(B) A base	(C) Neutral	(D) Dual in nature				
71.	Rectified spirit is								
	(A) 95% Ethanol		(B) 100 % Ethanol						
	(C) Ethanol with 5% Me	ethanol	(D) Power alocohol						
72.	Many organic compounds have the same molecular formula and they differ in their physical and chemical properties. This phenomenon is called as								
	(A) Homologous series		(B) Isomerism						
	(C) Isotopes		(D) Fermentation						
73.	The chemical name of I	baking soda is							
	(A) Sodium Chloride		(B) Sodium phosphate						
	(C) Sodium carbonate		(D) Sodium bicarbonate						
74.	Industrially used proces	ss for the conver	sion of Ethylene to polyethylene is known as						
	(A) Hydropgenation	(B) Substitution	(C) Polymerisa	tion (D) Addition				
75.	Epsom salt is								
	(A) ZnSO.7HO	(B) MgSO.7HO	(C) CuSO.7HO	(D) FeSO.7HO				
76.	When an acid reacts wi	th an alkali, the	following change is obse	rved?					
	(A) Heat is evolved		(B) A pop sound is proc	luced					
	(C) A foul smell emanat	tes	(D) Light is produced						
77.	The gas evolved during the fermentation of sugar solution is								
	(A) sulphur dioxide		(B) Carbon monoxide						
	(C) Carbon dioxide		(D) Methane						
78.	Elements which form o	ften coloured co	ompounds are						
	(A) Noble gases	(B) Halogens	(C) Alkali metals	(D) Trans	sition elements				
79.	Which one of the follow	wing does not ex	hibit allotropy?						
	(A) Carbon	(B) Tin	(C) Phosphorous	(D) Neen	1				
80.	The metal used in air cr	raft structure is							

Ge	'n	er	al	S	ci	er	10	P
U		CI	uı	9	u	CI	10	•

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	(A) Bauxi	te		(B) Dur	alumin		(C) magnalium		(D) Haematite	
81.	Bleaching powder is used mostly									
	(A) For p	reparir	ng chlori	ne		(B) For	preparing hydrod	chloric a	cid	
	(C) For preparing sodium bisulphate				(D) For	sterilizing water				
82.	DDT is a/	an								
	(A) Insec	ticide					(B) Peasticide			
	(C) Ingre	dient ii	n the pre	eparatio	n of soap	p	(D) Biological sp	ecimen	preservative	
83.	Neutron	was di	scovere	d by						
	(A) J.J.Th	omson	1	(B) Gol	dstein		(C) Neil Bohr		(D) Chadwick	
84.	Gas whic	h gives	s dense	white fu	mer with	n ammoi	nia is			
	(A) Hydrogen chloride					(B) Hydrogen sulphide				
	(C) Hydro	ogen ic	odide			(D) Hydrogen fluoride				
85.	The radio	active	elemen	it among	the foll	lowing is				
	(A) Radiu	ım		(B) Arg	on		(C) Radon		(D) Krypton	
86.	Bone ash	is								
	(A) Calciu	ım pho	osphide			(B) Calcium phosphate				
	(C) Calciu	ım dih	ydrogen	phosph	ate	(D) Calo	cium Oxide			
87.	One gran	n mole	of all ga	ases at N	ITP occu	pies				
	(A) 11.2 l	_it		(B) 22.4	4 Lit		(C) 44.8 Lit		(D) 89.6 Lit	
88.	Match Lis	st-I cor	rectly w	ith List-I	I and sel	lect your	answer using th	e codes	given below:	
	L	ist I			List II					
	(A) Meth	nane			1. C ₂ H ₂					
	(B) Ethylene 2. C ₂ H ₆									
	(C) Ethai (D) Acety				 C₂H₄ CH₄ 					
		yielle			-1 . СП4					
	Codes:									
	(a)		b	c	d					
	(A) 4	•	3	2	1					

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- (B)
- (C) 1
- (D) 3 2
- 89. Which of the following turns blue litmus red
 - (A) Sodium carbonate
- (B) Sodium hydroxide

(C) Acetic acid

- (D) Acetaldehyde
- 90. Equilibrium constant for the equation

A)
$$K_{c} = \frac{[SO_{2}]^{2}[O_{2}]}{[SO_{3}]^{2}}$$
 B) $K_{c} = \frac{[SO_{2}][O_{2}]}{[SO_{3}]}$

$$B_0 K_c = \frac{[SO_2][O_2]}{[SO_3]}$$

C)
$$K_C = \frac{[SO_3]}{[SO_2][O_2]}$$

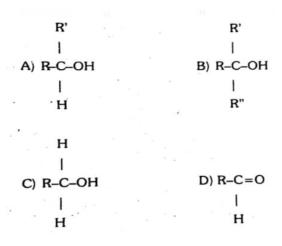
D)
$$K_C = \frac{[SO_3]^2}{[SO_2]^2[O_2]}$$

- 91. The best ductile metals are
 - (A) Aluminium, platinum
- (B) Gold, Silver
- (C) Copper, aluminium
- (D) Iron, nickel
- 92. Consider the following statements:
 - I. Aluminium powder is used in making anticorrosion paints
 - II. Aluminium powder is used for packing foodstuff
 - III. Aluminium powder is used in making parts of aircraft

Of the statements:

(A) All are correct

- (B) I and II are correct
- (C) II and III are correct
- (D) I alone is correct
- 93. A primary alcohol has the general formula



- 94. The gas for artificial ripening of green fruits is
 - (A) Carbon dioxide
- (B) Ethylene
- (C) Ethane
- (D) Hydrogen

- 95. An acid converts
 - (A) Red litmus into blue
- (B) Blue litmus into red
- (C) No action on litmus
- (D) Blue litmus onto colourless
- 96. Acetylene on polymerization gives
 - (A) Propolene
- (B) Benzene
- (C) P.V.C.
- (D) Polythene
- 97. Which enzyme converts glucose and fructose into ethyl alcohol and CO₂?
 - (A) Zymase
- (B) Invertase
- (C) Diastase
- (D) Maltase

- 98. The pyrolusite ore contains
 - (A) Fe
- (B) AI
- (C) Mn
- (D) Cu
- 99. When an acidified solution of ferrous ammonium sulphate is treated with KMnO₄ solution, the ion which is oxidized is
 - (A) Fe²⁺
- (B) So²⁻4
- (C) NH⁺₄
- (D) MnO-4
- 100. Which of the following is a naturally occurring polymer?
 - (A) Polyethylene
- (B) PVC
- (C) Acetic acid
- (D) Protein