CLASS-10-PS EM IMPORTANT		BLIC EXAMS-20	016
1) What would be the final temperature of a n	nixture of 60 g of w	ater at 40°C temperat	ure
and 60 g of water at 80°C temperature?	-]
A. 70°C B. 50°C	C. 60°C	D. 65°C	
2) If there is a thermal equilibrium between tw		[]
A. Two bodies have different temperatures		s have same tempera	
		e of two bodies are ed	
3) How much energy is transferred when 1gn	h of boiling water a	t 100°C condenses to	,
water a 100°C?]
A. 540 Cal B. 80 Cal	C. 60 Cal	D. 720 Cal	1
 4) Which process is different A. formation of mist B. formation of fog 	c formation of r	ain D formation of cl	l abuo
5) Latent heat of fusion of ice is			1
A. 100 B. 540	C. 80	D. 720	1
6) Absolute zero temperature(Infinite cold) is	•••••]	1
A. -273°C B. 0°C	C. 273 K	D. 273°C	,
7) The gas filled in potato chips flush bags		[]
A. Hydrogen B. Oxygen	C. Nitrogen	D. Chlorine	
8) Galvanising means, coating of On the i]
A. Zn B. Cr	C. Cu	D. C	_
9) $2Fe_2O_3 + 3C \rightarrow 4Fe + 3CO_2$ Then whi]
A. Carbon is oxidised	B. Carbon is rec		
C. Iron is oxidised	D. Iron oxide is o	r	1
10) It converts slaked lime into milk white subA. OxygenB. Carbon dioxide	C. Hydrogen	ا D. Sulphur dioxid	
11) A substance is in light yellow colour. If we		•	C
colour. What is the substance?	, par le li roan light,	[1
	de C. Silver Bromid	le D. Hydrogen Chlo	oride
12) The following image relates to the reaction	on between]
A. $CuSO_4$ + Fe			
B. $FeSO_4$ + Cu			
C. $CuSO_4 + Zn$			
 D. ZnSO₄ + Cu 13) The image appears always erect even yo 		in front of a mirror	
Which mirror it is?	u stanu at any plat		1
A. convex B. concave	C. plane	ں D. plane or conve	אי ן
14) This is not the use of a Concave mirror	O. plane		<i>"</i>]
A. Used in Head lights	B. Used by ENT	specialist doctors	1
C. Used in solar furnaces	D. Used beside		
15) If the object is placed at infinite distance I	pefore a concave n	nirror, the image is	
formed at		[]
A. F B. C	C. P	D. O	_
16) Magnification produced by a plane mirror		[]
A. +1 B. -1	C. 0	D. - $\frac{1}{2}$	
17) If an incident ray from the object passes t	hrough the Focus	of the concave mirror,	
then the reflected ray		[]
A. passes through F B. passes t			
•	s with the incident	ray	,
18) The distance between 'P' and 'C' in the f	igure is called]
 A. Focal length B. Radius of curvature 			
C. Distance of object		. P	
D. Distance of image		1	
		3	
Prepared by : V.NAGA MURTHY - 9441786635 Contact at : nagamurthy	rsir@gmail.com Visit at : nag	Jamurthy.weebly.com	

19) The cation present in HCl solution is[]A. H'B. OH'C. Cl'D. Cl'20) Which gas is liberated when H ₂ SO ₄ reacts with NaCl[]A. HClB. H ₂ SC. CO ₂ D. SO ₂ 21) This is not the olfactory indicator[]A. Onion piecesB. Venilla essenceC. Turmeric powder D. Clove oil22) Human blood is aB. Strong baseC. Weak acidD. Weak base23) Which one of the following types of medicines is used for treating indigestion? []A. antibioticB. analgesicC. antacidD. antiseptic24) The most accurate way of showing neutralization[]A. Acid + base - acid-base solutionB. Acid + base - acid-base solution[B. Acid + base - acid-base solutionD. Acid + base - neutral solution[J. A. ofB. 45°C. 30°D. 60°26) The refractive index of glass with respect to air is 2. Then the critical angle of[glass-air interface is[]A. rarer to denser mediumB. rarer to rarer medium[C. denser to rarer mediumB. rarer to rarer medium[27) Relative refractive index of second media with respect to first media (n ₂₁) = []A. $\frac{n_a}{n_1}$ B. $\frac{n_a}{n_2}$ C. $\frac{1}{(n_1 + n_2)}$ D. $\frac{1}{(n_1 - n_2)}$ 28) Refractive Indexf. $\frac{n_a}{n_2}$ C. $\frac{1}{(n_1 + n_2)}$ D. dispersion30. According to the glass slab-Lateral shiftD. $\frac{Thickness of the glass slab-Lateral shift}{Thickness of the glass slab-Lateral shift}$ <td< th=""></td<>
20) Which gas is liberated when H_2SO_4 reacts with NaCl [] A. HCl B. H_2S C. CO_2 D. SO_2 21) This is not the olfactory indicator [] A. Onion pieces B. Venilla essence C. Turmeric powder D. Clove oil 22) Human blood is a [] A. Strong acid B. Strong base C. Weak acid D. Weak base 23) Which one of the following types of medicines is used for treating indigestion? [] A. antibiotic B. analgesic C. antacid D. antiseptic 24) The most accurate way of showing neutralization [] A. Acid + base \rightarrow acid-base solution B. Acid + base \rightarrow solium chloride + hydrogen D. Acid + base \rightarrow solium chloride + hydrogen D. Acid + base \rightarrow solium chloride + hydrogen D. Acid + base \rightarrow solution B. 45° C. 30° D. 60° [] A. rare to denser \rightarrow solium B. rarer to rarer medium C. denser to rarer medium B. rarer to rarer medium C. denser to rarer medium B. rarer to rarer medium C. denser to rarer medium D. denser to denser medium C. denser to rarer medium D. denser to denser medium 27) Relative refractive index of second media with respect to first media (η_{21}) = [] A. $\frac{m_2}{n_1}$ B. $\frac{m_1}{n_2}$ C. $\frac{1}{(n_1+n_2)}$ D. $\frac{1}{(n_1-n_2)}$ 28) Refractive Index A. $\frac{Thickness of the glass stab}{Thickness of the glass stab}$ [] A. $\frac{Thickness of the glass stab}{Thickness of the glass stab}$ [] A. $\frac{m_1}{Thickness of the glass stab}$ [] A. $\frac{m_1}{Thickness of the glass stab-Vertical shift}$ B. $\frac{Thickness of the glass stab}{Thickness of the glass stab} tare at shift}$ 29) When light travels from one media to another media, Changing the direction of light ray at the interface is [] A. $\frac{m_1}{Thickness of the glass stab-Vertical shift}$ B. $\frac{Thickness of the glass stab}{Thickness of the glass stab} tare at shift}$ [] A. 'A' is rarer media, B' is denser media B. 'A' is denser media, B' is rarer media C. choice(A) and choice(B) [] D. Neither choice(A) nor choice(B) [] D. Neither choice(A) nor choice(B) [] 31) Which of the following is true? [] A. the distance of virtual image is not gre
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· · ·
D. convex lens always forms a virtual image
33) Focal length of the Plano-convex lens whose refractive index is ' n ' and its radius of
curvature of the surface is 'R' []
A. $f = R$ B. $f = R/2$ C. $f = R/(n-1)$ D. $f = (n-1)/R$
$(24)^{\perp}$ $(1)^{\perp}$ This formula is
34) $\frac{1}{f} = \frac{1}{u} + \frac{1}{v}$ This formula is []
A. Mirror formula B. Lens formula
A. Mirror formulaB. Lens formulaC. Lens maker's formulaD. Refraction formula at curved surfaces
A. Mirror formula B. Lens formula

36) The light ray gets refracted twice through	• • • •	endicular distance		
between incident ray and final emergence				
		D. Angle of deviation		
37) Vamsi Madhav is a boy of 3 years old. Th	e value of least dista			
distinct vision for him is about A. 25 cm B. 30 cm	C. 8 cm	D. 15 cm		
38) Doctor advised to use 4D lens. What is the		D. 10 cm		
A. 25 cm B. 50 cm	C. 75 cm	D. 100 cm		
39) The maximum focal length of eye lens is a		[]		
A. 2.5 cm B. 2.27 cm	C. 5 cm	D. 2.3 cm		
40) The size of an object as perceived by an e	ye depends primarily	/on []		
A. actual size of the object B. dis	stance of the object fi	rom the eye		
C. aperture of the pupil D. Size		ed on the retina		
41) During refraction, will not c	•	[]		
A. wave length B. frequency	C. speed of light	D. All the above		
42) Identify the part shown in the figure.		[]		
A. aqueous humour B. pupil C. cornea D. retina				
43) The maximum number of electrons that ca	n he accommodated	in M-shell []		
A. 2 B. 32	C. 18	D. 8		
44) Explain the shape of th		[]		
A. n B. <i>l</i>	C. <i>m</i> _l	D. m_s		
45) number of p-orbitals p		[]		
A. 1 B. 3	C. 5	D. 0		
46) Neils Bohr got Nobel prize in the year of		[]		
A. 1913 B. 1916	C. 1922	D. 1934		
47) Value of Planck's constant is	• • • • • • • • • • • • • • • • • • • •	[]		
A. 6.6×10^{-34} B. 6.626×10^{-34}	C. 6.6x10 ⁻³⁷	D. 6.602x10 ⁻³⁴		
48) Configuration of Oxygen (Z=8) is given as	' ♠ ↓ ♠ ↓ ♠ ↓	, ♠ ♠ ♠		
Which rule does not support this A. Aufbau's rule B. Hund's rule C. Pa		of the above		
49) Actinides				
A. $_{90}$ Th to $_{103}$ Lr B. $_{89}$ Ac to $_{102}$ No	$\mathbf{C}_{1,00}$ Ac to 102 r	D . Any one / All		
50) Which of the following is the most active m		[]		
A. Lithium B. Potassiur		D. Rubidium		
51) An element 'X' having configuration 2,8,2 l		[]		
A. 2 nd period B. 2 nd group	C. both A and B	D. neither A nor B		
52) Identify the Metalloid		[]		
A. Germanium B. Aluminium	C. Phosphorous	D. lodine		
53) Which of the following is not a Doberiener				
A. Ca,Sr,Ba B. S,Se,Te	C. Li,Na,K	D. Mn.Co,Fe		
54) Number of valence electrons present in el A. 2 B. 6	C. 4	L J		
55) Which of the following element is electron	-	D. 0		
A. Sodium B. Oxygen	C. Magnesium	D. Calcium		
56) The bond in NaCl molecule is	C. Magneolam	[]		
A. Covalent B. Ionic	C. Polar Covalent	D. CoordinateCovalent		
57) Shape of <i>Beryllium Chloride</i> molecule		[]		
A. Triangle B. Pyramidal	C.Linear	D. Tetrahydral		
58) Bond length of H-H in H_2 molecule		[]		
A. 0.74 A ^o B. 1.44 A ^o	C. 1.95 A ^o	D. 1.27 A°		
59) Which of the following formed double positive anion []				
A. Sodium B. Magnesium Prepared by : V.NAGA MURTHY- 9441786635 Contact at : nagam	C. Oxygen	D. Chlorine		
riepareu by . V.IVAGA IVIOR I 1 - 944 1 /00033 UUII al l'algan	iui urysii eginali.com visit at	. nagamu my.weepiy.com		

60) sigma bonds present in		[]
A. 2 B. 4	C. 5	D. 3
61) 1 Joule/Coulomb =		[]
A. 1 Watt B. 1 Volt	C. 1 Ampere	D. 1 Ohm
62) 3 resistors of values 1Ω , 2Ω , 3Ω at	re connected in series. Th	e equivalent R is []
Α. 6Ω Β. 7Ω	C. 1Ω	D . $\frac{2}{3}\Omega$
	0. 132	D . 3 ³²
63) The current in the wire depends		
A. Only on the potential difference		esistance of the wire
C. On both of them	D. None of them	
64) Symbol of a battery		[]
A. — ⊢ B. — ⊢	— C(•)	D. —,
65) The metal having least resistivity is		
A. Gold B. Copper	C. Silver	D. Aluminium
66) 1 KWH = Joule		[]
A. 3.6×10^6 B. 4.0×10^6	⁶ C. 36 x 10^6	D. 6.6 x 10 ⁶
67) Which converts electrical energy in		
A. Motor B. Battery		D. Switch
68) The magnetic force on a current ca		•
if the wire is oriented perpendicula	r to magnetic field, is	
A. 0 B. ILB	C. 2ILB	D. $\frac{1}{2}$ ILB
69) Compass needle always shows	Directions of earth	2
A. North B. South	C. North and sou	
70) Symbol of S.I. unit of magnetic fiel		
Α . Τ Β . Ω	C. V	D. A
71) Observed electro		
A. Oersted B. Ohm	C. Lenz	D. Faraday
72) Which converts chemical energy i	nto electrical energy	[]
A. Motor B. Battery	C. Generator	D. Switch
73) The process of extraction of metals	s from their ores is	
A. Metallurgy B. Mining	C. Curing	D. Refining
74) Iron (III) oxide	5	
A. Fe ₂ O ₃ B. Fe ₃ O ₄	C. FeO	D. Fe ₂ O
75) This is not the part of a furnace		[]
A. Hearth B. Cmney	C. Fire box	D. Magnetic wheel
,		
76) The metal that occurs in the native		
A. Lead (Pb) B. Gold (Au		D. Mercury (Hg)
77) The reducing agent in thermitte pro		
A. Aluminium B. Magnes		D. Silicon
78) method is useful for sulp	· •	e ore) []
A. washing B. froth floa		D. magnetic separation
79) The suffix used for naming an alde	ehyde is	[]
A. –ol B. -al	Cone	Dene
80) Which one of the following hydroca	arbon can show isomerism	1 1
A. C ₂ H ₄ B. C ₂ H ₆	C. C ₃ H ₈	D. C ₄ H ₁₀
81) CH_2OH -CHOH-CH ₂ OH is called		[]
-	1.3 tri ol C both A and B	D. None of the above
• • • •	1,3 tri ol C. both A and B	
82) General formula of a soap		
A. H-COONa B. >C=O	C. R-COONa	D . R-⟨ <u>O</u> ⟩-SO₃H
83) These participate in substitute read		
A. Alkanes B. Alkenes	C. Alkynes	D. None of the above
84) Identify cyclo butane		[]
A. <u> </u>	C. 🔿	D.
Prepared by : V.NAGA MURTHY - 9441786635 Contac	t at : nagamurthysir@gmail.com	Visit at : nagamurthy.weebly.com