1) What would be the final temperature of a			
	mixture of 60 g of wa	ater at 40°C temperature	
and 60 g of water at 80°C temperature?	Ū	· []	
A. 70°C B. 50°C	C. 60°C	D. 65°C	
2) If there is a thermal equilibrium between the	wo bodies, then	[]	
A. Two bodies have different temperature	s. B. Two bodies	s have same temperature	s
C. The masses of two bodies are equal	D. The volume	e of two bodies are equal	
3) How much energy is transferred when 1gr	n of boiling water at	100°C condenses to	
water a 100°C?	·	[]	
A. 540 Cal B. 80 Cal	C. 60 Cal	D. 720 Cal	
 Which process is different 		[]	
A. formation of mist B. formation of fo	g C. formation of ra	ain D. formation of clouds	5
5) Latent heat of fusion of ice is		[]	
A. 100 B. 540	C. 80	D. 720	
6) Absolute zero temperature(Infinite cold) is		[]	
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	iron substances to	prevent corrosion []	
A. Zn B. Cr	C. Cu	D.C	
9) $2Fe_2O_3 + 3C \rightarrow 4Fe + 3CO_2$ Then wh	ich is true of the foll	owing []	
A. Carbon is oxidised	B. Carbon is red		
C. Iron is oxidised	D. Iron oxide is c	oxidised	
10) It converts slaked lime into milk white su	bstance	[]	
A. Oxygen B. Carbon dioxide	e C. Hydrogen	D. Sulphur dioxide	
11) A substance is in light yellow colour. If w		it changes into gray	
colour. What is the substance?			
	ide C. Silver Bromid	e D. Hydrogen Chloride)
12) The following image relates to the react			
A. CuSO ₄ + Fe B. FeSO ₄ + Cu			
C. $CuSO_4 + Zn$ D. $ZnSO_4 + Cu$	DETY		
13) The image appears always erect even yo	ou stand at any plac	e in front of a mirror.	
13) The image appears always erect even yo Which mirror it is?		e in front of a mirror.	
	s.weebly.com	e in front of a mirror. [] D. plane or convex	
Which mirror it is?ignitephysicA. convexB. concave		[]	
Which mirror it is? A. convex B. concave 14) This is not the use of a Concave mirror	s.weebly.com C. plane	[] D. plane or convex []	
Which mirror it is?ignitephysicA. convexB. concave	s.weebly.com C. plane	[] D. plane or convex [] specialist doctors	
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Which mirror it is? A. convex 14) This is not the use of a Concave mirror A. Used in Head lights C. Used in solar furnaces	S.weebly.com C. plane B. Used by ENT D. Used beside of	[] D. plane or convex [] specialist doctors drivers	
Which mirror it is? A. convex 14) This is not the use of a Concave mirror A. Used in Head lights C. Used in solar furnaces 15) If the object is placed at infinite distance	S.weebly.com C. plane B. Used by ENT D. Used beside of	[] D. plane or convex [] specialist doctors drivers	
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CLASS-10-PS EM IM	PORTANT BIT		CEXAMS-2017
19) The cation present in HCl so			[]
A. H^+ B. Of			. Cl ⁻
20) Which gas is liberated when A. HCl B. H ₂			. SO ₂
21) This is not the olfactory indic			
	enilla essence C. Tu	rmeric powder D	. Clove oil
22) Human blood is a			[]
	rong base C. W		. Weak base
23) Which one of the following ty A. antibiotic B. an	/pes of medicines is ialgesic C. an		antiseptic
24) The most accurate way of s	•		
A. Acid + base \rightarrow acid-base			
B. Acid + base \rightarrow salt + wat			
C. Acid + base → sodium ch D. Acid + base → neutral so			
25) The refractive index of glass		2. Then the critic	cal angle of
glass-air interface is			[]
Ă. 0° B. 45			. 60°
26) Total internal reflection takes			
A. rarer to denser medium C. denser to rarer medium	B. ra	er to rarer mediunser to denser m	IM Jedium
27) Relative refractive index of s			
A. $\frac{n_2}{n_1}$ B. $\frac{n_1}{n_2}$			$\frac{1}{(n_1 - n_2)}$
28) Refractive Index	(n ₁	$+n_2$)	$(n_1 - n_2)$
A. $\frac{Thickness of the glass slip}{Thickness of the glass slab-Vert}$	ab B	Thickness of the ckness of the glass s	glass slab
Thickness of the glass slab–Vert	tical shift Th	ckness of the glass s	ab+Vertical shift
		Thickness of the	glass slab
C. Thickness of the glass sld Thickness of the glass slab-Late	ub D. Thi	Thickness of the ckness of the	glass slab lab+Lateral shift
C. <u>Thickness of the glass sld</u> Thickness of the glass slab-Late 29) When light travels from one	ub D. This eral shift media to another me	Thickness of the ckness of the	glass slab lab+Lateral shift
C. <u>Thickness of the glass slab</u> Thickness of the glass slab-Late 29) When light travels from one light ray at the interface is	ub D. This eral shift media to another me	Thickness of the ckness of the glass so dia, Changing the	glass slab lab+Lateral shift
 C. Thickness of the glass sld Thickness of the glass slab-Late 29) When light travels from one light ray at the interface is A. reflection B. refl 30) According to the given figure 	b bral shift media to another me fraction c, which is true	Thickness of the ckness of the glass so dia, Changing the	glass slab lab+Lateral shift e direction of [] . dispersion
 C. Thickness of the glass slab-Late Thickness of the glass slab-Late When light travels from one light ray at the interface is A. reflection B. reflection B. reflection A. reflection B. reflection B. reflection C. Thickness of the given figure A. 'A' is rarer media, 'B' is displayed by the state 	ub D. The eral shift D. The media to another me fraction C. dif e, which is true enser media	Thickness of the ckness of the glass so dia, Changing the	glass slab lab+Lateral shift e direction of []
 C. Thickness of the glass slab-Late Thickness of the glass slab-Late 29) When light travels from one light ray at the interface is A. reflection B. ref 30) According to the given figure A. 'A' is rarer media, 'B' is d B. 'A' is denser media, 'B' is 	ub D. The eral shift D. The media to another me fraction C. dif e, which is true enser media	Thickness of the ckness of the glass so dia, Changing the	glass slab lab+Lateral shift e direction of [] . dispersion []
 C. Thickness of the glass slab-Late 29) When light travels from one light ray at the interface is A. reflection B. ref 30) According to the given figure A. 'A' is rarer media, 'B' is d B. 'A' is denser media, 'B' is C. choice(A) and choice(B) 	the D. The media to another me fraction C. dif e, which is true enser media rarer media	Thickness of the ckness of the glass so dia, Changing the	glass slab lab+Lateral shift e direction of [] . dispersion
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 C. Thickness of the glass slab-Late 29) When light travels from one light ray at the interface is A. reflection B. ref 30) According to the given figure A. 'A' is rarer media, 'B' is d B. 'A' is denser media, 'B' is C. choice(A) and choice(B) D. Neither choice(A) nor choice 31) Which one of the following magical context of the follo	ub D. pral shift The media to another me media to another me fraction C. dif e, which is true enser media rarer media pice(B) materials cannot be u ass C. pla	Thickness of the ckness of the glass side dia, Changing the fraction D sed to make a let	glass slab lab+Lateral shift e direction of [] . dispersion [] A B
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hotwoon incident row and final amorgans	a rovia called	r 1				
between incident ray and final emergence A. Reflection B. Refraction		D Angle of deviation				
 A. Reflection B. Refraction C. Lateral shift D. Angle of deviation 37) Vamsi Madhav is a boy of 3 years old. The value of least distance of 						
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						
A. 25 cm B. 50 cm	C. 75 cm	D. 100 cm				
39) The maximum focal length of eye lens is		[]				
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	eye depends primaril	yon []				
A. actual size of the object B. d						
C. aperture of the pupil D. S	ize of the image form	ed on the retina				
41) During refraction, will not		[]				
A. wave length B. frequency	C. speed of light	D. All the above				
42) Identify the part shown in the figure.	A and a second s	[]				
A. aqueous humour B. pupil						
C. cornea D. retina						
43) The maximum number of electrons that c						
A. 2 B. 32	C. 18	D . 8				
44) Explain the shape of t A. n B. <i>l</i>						
45) number of p-orbitals	C. m_l	D. <i>m</i> _s				
A. 1 B. 3	C. 5	D. 0				
46) Neils Bohr got Nobel prize in the year of	0.0	D. 0				
A. 1913 B. 1916	C. 1922	D. 1934				
47) Value of Planck's constant is						
A. 6.6x10 ⁻³⁴ B. 6.626x10 ⁻³⁴	C. 6.6x10 ⁻³⁷	D. 6.602x10 ⁻³⁴				
Which rule does not support this						
A. Aufbau's rule B. Hund's rule C. F	auli's rule D. All	of the above				
49) Acumides		[]				
A. $_{90}$ Th to $_{103}$ Lr B. $_{89}$ Ac to $_{102}$ No	C. 89Ac to 103Lr	D. Any one / All				
50) Which of the following is the most active	metalebly.com					
A. Lithium B. Potassium		D. Rubidium				
51) An element 'X' having configuration 2,8,2 A. 2 nd period B. 2 nd group		D naithar A nar D				
52) Identify the Metalloid	C. both A and B	D. neither A nor B				
A. Germanium B. Aluminium	C. Phosphorous	D. lodine				
53) Which of the following is not a Doberiene						
A. Ca,Sr,Ba B. S,Se,Te	C. Li,Na,K	D. Mn.Co,Fe				
54) Number of valence electrons present in		[]				
A. 2 B. 6	C. 4	D. 8				
55) Which of the following element is electro	negative?	[]				
A. Sodium B. Oxygen	Č. Magnesium	D. Calcium				
56) The bond in NaCl molecule is	-	[]				
A. Covalent B. Ionic	C. Polar Covalent	D. CoordinateCovalent				
57) Shape of Beryllium Chloride molecule		[]				
A. Triangle B. Pyramidal	C.Linear	D. Tetrahydral				
58) Bond length of H-H in H_2 molecule		D 4 07 40				
A. 0.74 A° B. 1.44 A°	C. 1.95 A°	D. 1.27 A ^o				
59) Which of the following formed double pos		D Chloring				
A. Sodium B. Magnesium	C. Oxygen	D. Chlorine				
60) sigma bonds present in Ethyle A. 2 B. 4	C. 5	D. 3				
A. 2 B. 4	U. J					

61) 1 Joule/Coulomb =			[]
A. 1 Watt B. 62) 3 resistors of values 1Ω, 2			D. 1 Ohm
•			D . $\frac{2}{3}\Omega$
63) The current in the wire de	epends		3
A. Only on the potential d	ifference applied	•	tance of the wire
C. On both of them		D. None of them	r 1
64) Symbol of a battery A. ── ├── B.	. — – – – –	C(•)	\mathbf{D} . $- \mathbf{T}$
65) The metal having least re	•		
		C. Silver	D. Aluminium
66) 1 KWH = Joul A. 3.6×10^6 B.		C 36×10^6	D. 6.6×10^6
67) Which converts electrical			D. 0.0 X 10
			D. Switch
68) The magnetic force on a c		•	•
if the wire is oriented perp	•		
			D. $\frac{1}{2}$ ILB
69) Compass needle always a A. North B.	shows L	C. North and south	D North or South
70) Symbol of S.I. unit of mag			
А.Т В .	Ω	C. V	D. A
71) Observe			
A. Oersted B. 72) Which converts chemical			D. Faraday
			D. Switch
73) The process of extraction			
•••	Mining	C. Curing	D. Refining
74) Iron (III) oxide		0 5-0	
A. Fe ₂ O ₃ B. 75) This is not the part of a fu		C. FeO	D. Fe ₂ O
		C. Fire box	D. Magnetic wheel
76) The metal that occurs in t		vecory.com	[]
()		C. Iron (Fe)	D. Mercury (Hg)
77) The reducing agent in the A. Aluminium B.		C. Iron	D. Silicon
78) method is usefu	0		
A. washing B.	froth floatation		D. magnetic separation
79) The suffix used for namin		0	[]
A. –ol B. 80) Which one of the following		C. -one show isomerism	D. -ene
-		\mathbf{C} . C_3H_8	D. C ₄ H ₁₀
81) CH ₂ OH-CHOH-CH ₂ OH is	called		[]
-	. propane 1,3 tri ol	C. both A and B	D. None of the above
82) General formula of a soap A. H-COONa B.		C. R-COONa	[] D . R-√⊙>-SO₃H
83) These participate in subs			[]
A. Alkanes B.		C. Alkynes	D. None of the above
84) Identify cyclo butane			
A. B. Prepared by : V.NAGA MURTHY - 9441786		C. thysir@gmail.com Visit at : i	D gnitephysics.weebly.com
p		<u>, , , , , , , , , , , , , , , , , , , </u>	J 1 J