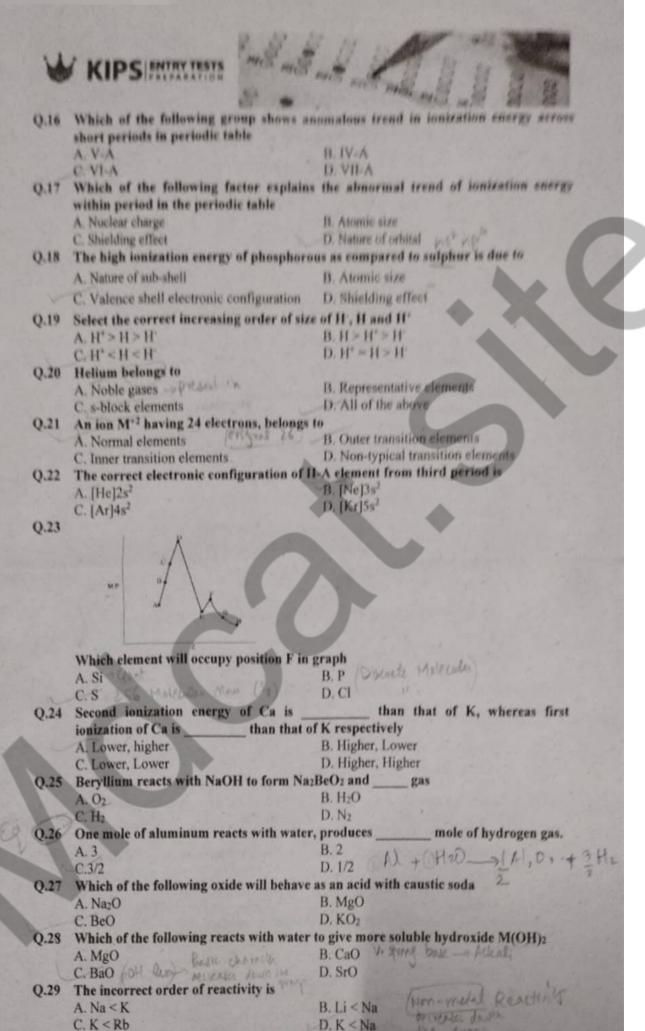


CHEMISTRY MDCAT

UNIT-7 (A + SERIES)

money		(W. + SELLIES)
TOPI		111111111111111111111111111111111111111
4	S AND P BLOCK ELEMENTS	12 17 17 31
0.1	TRANSITION ELEMENTS	is highest among all elements
Q.1	Electrical conductivity of	B. Transition metals
	A. Coinage metals	D. Rare earth metals (UN) - 1001
60	C. Alkali metals	and can be used to scratch glass
Q.2	Beryllium is as hard as that of	
	a forman Dentity less / ligh	D. Hydrargyrum (H5)
Q.3	C. Argentum (floor)	not considered as its peculiar behaviour
400	A. It reacts with nitrogen	B. It reacts with carbon
	C. It give complex compounds	D. It reacts with ethyne
Q.4	d-Block transition metals cannot be	
×17	A. Outer transition metals	B. Inner transition metals
	C. Typical transition metals	D. Non-typical transition metals a attraction
0.5		s peculiarity in their electron affinities due to
	A. Higher ionization energy	B. High electronegativity
	C. Restricted octet state	D. Smaller size thick e class
Q.6)		but becomes clear with excess of CO2 due to the
	formation of Caco Not 5	oluble in water an meritars
	A. CaCO ₃	B. Ca(HCO3)2 -15 chible in well
	C. Ca(OH) ₂	D. Ca(CO ₂) ₂
Q.7	How many non-metals are found in	
	A. Zero (4, H, B) \$3	Pallance B. One
	C. Two	D. Three
Q.8	Which of the following is the corre	ect decreasing order of basic character of alkali
	metal oxides	Leis O.S -> Boxic More -
	A. KO ₂ > Na ₂ O ₂ > Li ₂ O	B. $Cl_2O_7 > SO_3 > P_2O_5$
	C. BeO < MgO < CaO	D. All are correct De compose
Q.9	2M+2H O 2MOH+H in the	e given reaction 'M' may be Reaction - Product
Q.5		
	A. Cu	B. Ba Unitrostalis fer
	C. Mg Suprostal (L'C	(D. Rb
Q.10	The flame colour of lithium metal is	
	A. Golden Yellow	B. Bright Yellow
d.,	C. Crimson red	D. Dilek ied
Q.11		in steam to produce its oxide and hydrogen gas
	A. Be	B. Mg Ampholein -> Insoluble
	C. Na	D. Ca Ir water
Q.12		se from top to bottom in any group of periodic
	table due to	
	A. Decrease in reactivity	B. Increase in density
	C. Increase in size	D. Increase in melting pint
Q.13	Which one of the following processe	
	$A. Na_{(e)} \longrightarrow Na_{e}^{+} + le$	B. $Mg_{(e)}^{*1} \longrightarrow Mg_{e}^{*2} + le$
	$C.O^{-1} + le \longrightarrow O^{-2}$	D. All of above
0.14	Which of the following shows maxin	num electron affinity?
	A.F Q>BXPE	-B. C/
	C. Br	D. I
0.15	Which one of the following species h	
	A. Mg ⁺²	-B. Al ⁺³
	C. N-3	D. O ⁻²
CHEN	ISTRY MDCAT UNIT-7 (A+SERIES)	PAGE 1 OF 4
	HT + NOON - OOAL	Shydralin energy 2 - OH , 7

More than - 57.5 World



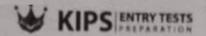
A. Na is more electropositive than that of Li

C. Melting point of Na is greater than that of Li

Q.30 Sodium reacts with water more vigorously than lithium because

B. Density of Na is less than that of Li

D. ionization energy of Na is greater than that of Li



144 W V								
0.21	XX/3-1-1-	Concession.	48	Entleme				Sec.
A-31	Which	one	the	TOHOW:	an iz	85.1	в съе	tate

A. K2[Pt(COO):] C. [Pt Cl NO (NH₃)₄]SO₄ B. Ka[Fe(CN)₆]

D. [Fe(CO)s] Q.32 In 3d series, the maximum binding energy is shown by

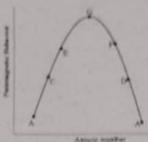
A. Scandium

B. Titanium

C. Vanadium

D. Chromium

Q.33



must be placed at point G

A. Mn24

B. Zn+2

C. Al+3

D. Cu*1

0.34 Which element shows lowest melting point in 1st transition series of periodic table (Twoming) dies not show

B. Mn

C. Zn

D. V

Q.35 Which one of the following species shows maximum paramagnetic behaviour

A.Zn2+

B. Ni2+

D. Fe2+ C.Mn2+

variousle 0.5

Q.36 Select the pair of Z values which represents transition metals that show abnormal electronic configuration to attain stability in 3d-series

A. 21 and 30 C. 26 and 29 B. 24 and 29 D. 27 and 29

Q.37 Which of the following cannot form coordinate complex (No Ligard) As cannot give

A. NH4+

B. H₃O⁺

C. (CH₃)₃C⁺

D. All of the above

Q.38 The general electronic configuration of outer transition elements is

A. nd1-18 (n-1)s1-2

B. (n-1)d1-10 ns1-2

C. (n-1)d1-3ns2

D. (n-1)d19ns2

Q.39 The outer transition element that forms an amphoteric oxide

A. Al

B. Be

C. Zn

D. All of these

Q.40 The lowest oxidation state of Fe is found in

A. FeSO₄

B. [Fe(CO)5]

C. K₃ Fe(CN)

D. K, Fe(CN),

The catalytic activity of transition elements is due to

A. d-d electron transition A. d-d electron transition B. High binding energy

C. Variable oxidation state D. Ability to form complex

A. Sc

The minimum number of oxidation states is shown by

0.43 The total number of half-filled orbitals in Cr is

A.1 C. 6 B. 5

D. 9

Q.44 The most stable electronic configuration of an element of first series transition is

A. [Ar]4s23d5

B. [Ar]4s 3d

C. [Ar]4s23d10

D. [Ar]4s⁰3d¹⁰

Q.45 A complex 'X' absorbs yellow light it will look

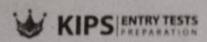
in color

A. Green

B. Red

C. Violet

D. Yellow

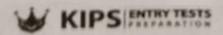


		THE WITH SELECT
0.46	The complex having coordination number	er 4, may bein geometry ,
-	A. Tetrahedral	B. Square planar - FOUT EXAMPLES SEEK
		D. Both A and B
Q.47	Which of the following is a typical transi	
		-B. Co
	C. Zn	D. Ag. (d
Q.48	Most of alkaline earth metals form	Oxides Everyt Ba
	A. Normal C. Acidic	B. Super D. Per
Q.49	The geometry of complex ion [Cu(NH3)4]	
Q.43	A. Tetrahedral	B. Square planar
	C. Hexagonal	D. Octahedral
Q.50	donates electron pair to	to form a co-ordination complex
4.00	A. Central metal ion, Ligand	B. Nucleophile , Substrate
	C. Ligand, Central metal ion) oforn	D. Substrate, Electrophile
Q.51	Which of the following has maximum nu	mber of electron pairs / full filled orbitals.
	A.Cr	B. Fe
	C.Cu re 10	D. Zn
Q.52	Give the systematic name for [Fe(CO)s]	La continue
	A. Pentacarbonyliron(III)	B. Pentacarbonyliron(0)
0.53	C. Pentacarbonyliron(II)	D. Pentacarbonylferrate(III)
Q.53		of electrons in outer most shell as like 19K
	A. 26Fe C/24Cr (6)	D. None of above
Q.54	[Pt(H2O)3 (NH3)3]has structure	D None of above
Q.54	A. Linear	B. Tetrahedral
	C. Trigonal pyramidal	D. Octahedral
Q.55		
	A B C D	
	The value of atomic number at point B is	
	A. 24	B. 25
	C. 26	D. 27
0.56	The relative attraction of the nucleus of	of an atom for the electrons in a chemical
	bond is	
	A. Ionization energy	B. Electron affinity
	C. Electronegativity	D. Shielding effect [he electronic) oxide
0.57	Which one of the following is most basic	oxide shell met attend
Q.57	A. BeO	B. MgO
4		
	C. SrO	D. CaO
Q.58	In alkaline earth metals electrical conduc	
	A. Increases down the group	B. Decreases down the group
	C. Decreases along the period	D. Increases along the period
Q.59	Which of the following metal is more rea	The second secon
Ains	A. Li	B. Na
	C.K	D. Cs
Q.60	When Na is dropped in water, it catches	
	A. It is a metal	B. It is highly electropositive
4	C. It has higher atomic mass	D. Its reaction is highly exothermic (4, 34)

BIOLOGY MDCAT

	UNIT-7 (A	+ Series)
TOP		
4	Life Processes in Animals and Plants	
Q.1	The casparian strips are present at the	
	A. Cortex	-B. Endodermis
100 (00)	C. Pericycle	D. Phloem
Q.2	Cytoplasmic strands through which such	
	A. Plasmodesmata	B. Gap junctions
	C. Plasmalemma	D. Pericycle
Q.3	Root hairs can absorb water only if:	exemple nevophyles due do salty walks
	A. Soil is excessive salty - Haloping (E)	B. Concentration of solutes in cell sap is high
	C. Plants are not transpiring	D. Soil is rich in inorganic matter
Q.4	The one which thoroughly explains asc	ent of sap is:
	A. Capillary force theory	B. Atmospheric pressure theory
	C. Pressure flow theory	D. Transpiration pull and cohesion tension theory
Q.5	The root hairs arise from:	
	A. Pericycle Scall well swembrane	B. Cortex
	C. Endodermis	D. Epidermis
Q.6	Movement of water through cytoplasm	ic connections is called:
	A. Apoplast pathway	B. Symplast pathway
1	C. Vacuolar pathway	D. Osmosis
Q.7	Loading of sucrose from bundle sheath	
	A. Diffusion	B. Osmosis
	C. Facilitated diffusion	D. Active transport
Q.8	It separates extracellular space in root	
	A. Cortex	B. Plasmodesmata
	C. Pericycle	D. Casparian strips
Q.9	If a plant absorbs 1 liter of water per	day, then what will be the amount of water
	used by the plant for its metabolism?	Not the last of th
	A. 10 ml	B. 0.1 liter
	C. 100 ml	D. 1 liter
Q.10		ecules which holds them together within the
	xylem tube:	
	A. Tension	B. Adhesion
A .	C. Cohesion	D. Imbibition
0.11	Carlotte Marie 1974 - Name of the last	Ctlimit les
V.11	A. Auxins	B. Cytokinins - Stomatal opening D. Abscisic acid - stress horman - Closing
	C. Gibberellins	D. Abecisio acid - stress horman - 1/05/14
0.12	Food in plants is transported in the for	m of
Q.12	A. Monosaccharide	B. Polysaccharide
		- Carlo Carl
0.40	C. Disaccharide	D. Oligosaccharide
Q.13		ecules by which water can move up the xylem
	like an unbroken column:	
	A. S-S-bonds	B. C-O-C bonds
1	C. H-bonds	D. OH-bond
Q.14)	What is the main function of a compan	ion cell in mature phloem tissue?
	A. Providing cytoplasmic contact with th	e sieve tube element for loading
	B. Providing structural support to the siev	The state of the s
	C. Providing the nucleus for cell division	
	D. Getting energy from sieve elements	the state of the s
Q.15	The significance of transpiration lies in	· Committee of the comm
Q.13	A Assent of sen	B Translocation of mineral salts

C. Cooling effect D. All A, B, C



W KIPS MINITESTS	
Q.16 Which of the following corr	ectly represents carbohydrates in plants?

	Synthesized	Transported	Stored
A.	Glucose	Glucose	Starch
B.	Glucose	Sucrose	Glycogen
C.	Sucrose	Glucose	Starch
D.	Glucose	Sucrose	Starch

	Α.	Glucose	Glucose	Starch	
	В.	Glucose	Sucrose	Glycogen	
	C.	Sucrose	Glucose	Starch	
	D.	Glucose	Sucrose	Starch	
Q.17			m cell to cell	involving tonoplast is	called
	pathw	(CR)		D. Vannalas	
	A. Apo	T -		B. Vacuolar	
Q.18	C. Syn		ease of cell volum	D. Protoplast ne without diluting its	contents to
12.10	A Trans	Home moderation		B. Root pressure	contents is:
	C. Imb	ibition - absorb to	eas water	D. Cohesion	
0.19	It is th	e most widely acce	pted theory of ca	arbohydrate translocat	ion:
		ot pressure theory		B. TACT theory	
	C. Mas	ss flow theory		D. Osmotic theory	
Q.20	Thoug	h heart is an invol	untary organ, th	e fibres are different	from smooth muscles
	due to				The second
	A. Stri			B. Tendons	
		tiple nuclei	in the second	D. Sarcoplasm	70.40
Q.21	Which	one of the following	pairs of terms re	epresent one and the sar	ne thing?
		sma – Blood		B. AV node - Pacema	
		nulocytes - Monocy		D. AV Bundle- Bundl	e of His
Q.22	A Proc	term does not app	ly to human hea		
		rogenic - 4 musike	4.20	B. Myogenie	
Q.23	The he	art is enclosed in	grases	D. Four chambered	
12.43	A. Pleu	art is enclosed in a	double membr	anous sac, called:	
		ardium		B. Pericardium	
Q.24				D. Capsule	
12.24	A Pori	yer which consists cardium	of branched mu		
		cardium		B. Myocardium	
Q.25		man heart contra		D. Endocardium	
dian.		untarily	cts:	D. Leevin and A.	
	C. Pass			B. Irregularly	Charles of the Control of the Contro
Q.26		are four chambers	Car .	D. Rhythmically -	convery
Q.20		upper thick-walled			0
		lower thin walled			
	D. Two	upper thin walled	atria and two lov	wer thick-walled ventr	icles
0 00				vo lower thick-walled	atria
Q.27		c vein pour its blo	od into:		
		erior vena cava		B. Inferior vena car	va
		atic portal vein		D. Jugular veins	
Q.28	Corona	ary arteries supply	the oxygenate	d blood to the heart	and arise from:
	A. Arch	n of aorta	7 3 3 3 3 3	B. Base of aorta	
	C. Desc	ending aorta		D. Thoracic aorta	
Q.29		are no valves in a	rteries except:		
160	A. Iliac			B. Hepatic artery	
		ne base of aorta		D. Femoral artery	
	C. ALL	ie ouse of dorta		D. Pemorai artery	

Q.30 Exchange of material occurs at level of:

A. Venules and capillaries

C. Capillaries only

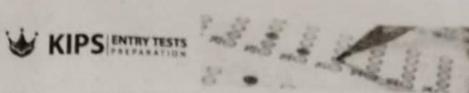
Q.31 QRS complex occurs prior to:

A. Atrial systole C. Atrial diastole B. Arterioles and capillaries

D. Venules and arterioles

B. Ventricular systole

D. Ventricular diastole



	0.90	- " Com . C . S. St.
Q.32	One complete heart beat consists of:	
	A. One systole	B. One diastole
011	C. One systole and one diastole	D. One systole and two diastoles
Q.33	time is:	the four chambers are relaxed at the same
	A. Diastole	B. Systole
	C. Atrial systole	D. Ventricular systole Calback Warre Ending
Q.34	The heart beat is initiated by the:	J. Cardia Muriler
7	A. Atrio-ventricular node	B. Bundle of His
	C. Purkinje fibers	D. Sino-atrial node
Q.35	Which chamber of the heart shows the g	reatest pressure changes during one cardiac
	cycle? .	
	A. Left atrium	B. Left ventricle
	C. Right atrium	D. Right ventricle
Q.36	Which blood vessels change their resista	nce to blood flow to regulate distribution of
	blood to organs?	D. Administra
	A. Vena cava	B. Arterioles
620	C. Capillaries Vasa dalahim + can'yu chim	D. Veins
Q.31	Which of the following are found in both A. Collagen fibers	B. Elastic fibers
	C. Endothelial cells	D. Smooth muscle cells
	Destartation (common layer)	D. Silloda Masers
Q.38		-A
	A. Ascending aorta	B. Thoracic aorta
	C. Arch of aorta	D. Abdominal aorta
Q.39	What amount of blood is ejected from the l	eft ventricle into systemic aorta per stroke?
	A. 70mL -) 5 0 0 00	B. 100ml - cavelac outful
	C. 150mL	B. 100ml soconl-s cardiac outful D. 175ml (pu min)
Q.40	Blood pressure is lowest in:	
	A. Capillaries	B. Venules
	C. Arteries	D. Vena cava
Q.41	During diastole, the status of cardiac val	
-	A. AV valves open, SL valves closed	B. AV valves closed, SL valves closed
	C. AV valves open, SL valves open	D. Is variable in different body postures
Q.42	Thoracic lymph duct of the lymphatic sy	THE RESERVE OF THE PARTY OF THE
	A. Superior vena cava	B. Right sub-clavian vein
	C. Left sub-clavian vein	D. Hepatic portal vein
0.43	Which of these structures returns blood	to the right atrium?
1	A. Coronary sinus	B. Inferior vena cava
	C. Superior vena cava	-D. All A, B, C
Q.44	In which of these blood vessels are elastic	fibers present in the greatest amount?
de	A. Iliac artery Thicken dance	B. Hepatic portal vein
	C. Femoral vein	D. Aorta
Q.45	All of the following represent non-specifi	c mechanisms of body defense except:
	A. Antibodies	B. Fever 2
1	C. NaHCO ₃	D. Phagocytes
Q.46)	Lymphatic system is present in:	B. Comea-eye (No divect supply -) diffusion D. Digestive system -> sub-mucuse-
6	A. CNS	B. Comea-eye (100 alved 2017)
	C. Bones	D. Digestive system -> 500-mores
Q.47	Which of the following is/are related to ly	mphatic system in humans?
7 2 3	A. Absorption of fats	B. Fluid homeostasis
		D. All A, B, C
610	C. Deterior against Paris 9	
Q.48	Which of the following cells guard agains	B. Helper T-cells
	A. Memory T-cells	D. Helper 1-cens

C. Suppressor T-cells

D. Plasma clone cells



· M	KIPS ENTRY TESTS	8 48 48 48 88 88 88 88 88 88 88 88 88 88
Q.49		AT THE RESERVE OF THE PARTY OF
	A. Antibiotics	B. Blood plasma
	C. Antibodies - Passive	D. Antigen B- typus hagterne
Q.50	Which of the following is the compone	ent of second line defense? B- tymphages an
	A. Skiii Oliiy	D. Diood ciot
20	C. Mucous membrane	D. Phagocytes
Q.51	In human beings, 'B' and T-lym, respectively.	phocytes are matured inand
	A. Bone marrow, thymus gland	B. Bursa of fabricius, thymus
	C. Spleen, thymus gland	D. Adenoids, Bursa of fabricius
Q.52		heavy and two light chains. These chains are s. The number of disulphide bridges present B. 2
	C. 3	D. 4
0.52		
Q.53	A. X-shaped, globular protein	B. J-shaped, fibrous protein
	O W Land Albertanestale	D V-shaped fibrous protein
054	Which one of the following are called	cytotoxic cells? Network killer cells
Q.54	A R. lymphocytes	eytotoxic cells? B. Monocytes D. Neutrophils
	C. T- lymphocytes	D. Neutrophils
055	C. 1- Tymphocytes	- Parameter Production
Q.55	A. To secrete antibodies	B. To engulf bacteria
-	C. To kill cells infected with viruses	D. To change into memory cells
0.56		prio cinage into interior,
Q.56	A. Snake bite	B. Rabies
	C. Infectious hepatitis	D. AIDS
0.57		hild during breast feeding is an example of:
Q.57	A. Active immunity	B. Natural passive immunity
	C. Artificial passive Immunity	D. Artificial active immunity
0 50	The system that comprises lymph	capillaries, lymph vessels, lymphoid masses
Q.58		capmanes, tympa vessels, tympasta masse
	lymph nodes and lymph is called:	B. Blood vascular system
	A. Transport system	D. Immune system
200	C. Lymphatic system	LEIANNY S
Q.59		nterstitial fluids and:
1	A. Lymph	B. Blood
X	C. Tissue fluid	D. Body fluid
Q.60	When some solute is added in a solut	ion, the solute potential of that solution:
X d	A. Increases	B. Decreases
	C. Remains constant	D. Becomes zero

400				
× .	Current Electricity There are three bulbs of 60W 100W as	nd 2003V which had	h has thickest filement?	
Q. 1	A. 100W	B. 200W	The state of the s	
	C 60W	D. All	instrument days a work of	
Q. 2	A current of 3 A passes through an elegand. What is the emf of the source?	B. 1V	ninutes and does a work of	
	A. 3V C. 5V	D. 10V		
Q. 3	The specific resistance of a rod of cop	per as compared to	that of thin wire of copper	
	is: A. Less			
	B. More			
	C. Same			
0.1	D. Depends upon the length and area of	cross-section of the	wire	
Q. 4	Which of following is not same as wat			
	A. $\frac{A}{V}$ B. AV	C. J	D. $A^2\Omega$	
Q. 5	The 'emf' is always even when	no current is dray	yn through the battery of cel	
4.0	A. Zero	B. Absent		
	C. Present	D. Maximum		
Q. 6	A 60-watt light bulb carries a curren	it of 0.5 A. The to	tal charge passing through	it
	in one hour is:			
	A. 120 C	B. 1800 C		
0.7	C. 3600 C In Ohm's law, which factor remains of	D. 2400 C		
Q. /	A Volume B. Length	C. Pressure	D. Temperature	
Q. 8	The SI unit of electromotive force (en	nf) is:		
	A. Newton C. Volt	B. Ampere D. Joule		
Q. 9	Which of the following has a negative		fficient?	
~.	A. C	B. Mn		100
	C. Fe	D. Ag		
Q. 10	Which of the following causes produc	ction of heat when	current is set up in the wil	re?
	A. Inter atomic collisions B. Collision of conduction electrons with	th atoms		
	C. Inter electron collisions	iui atoms		
	D. Jumping of electrons from higher or	bits to lower orbits		
Q. 11	The diagram shows the current I /vol	ltage V graph for	a length of resistance wire.	
	Where can Ohm's law be applied to	the wire?		
	1	Y		
		/		
		Salar Con		
	√€X			
	A. At Y only	B. At Z only		
	C. From X to Y	D. From X to		
Q. 12	Electric power is inversely proportio	nal to		
1	A. Resistance	B. Voltage		
	C. Current	D. Temperat		43.
Q. 13	A certain piece of silver of given to following combination of length (L.	mass is to be ma	cross section will lead to	the
	smallest resistance?) and the area of	cross-section win lead to	the
	A. L and A			
	B. 2L and A/2			
	C. L/2 and 2 A			
	D. Any of the above, because volume	of silver remains sa	ame	
	The second secon			

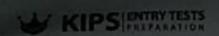
Q. 14	Two electric bulbs whose resistances a	re in the ratio of 1 : 2 are connected in
	parallel to a constant voltage source. The	powers dissipated in them have the ratio
	A. 1:2	B. 1:1
	C. 2:1	D. 1:4
Q. 15	The brightness of a bulb will be reduced,	
	A. Series with it	B. Parallel with it
0.16	C. Series or parallel with-it	D. Brightness of the bulb cannot be reduced
Q. 16	Volts / Ampere =:	D. Darrel
	A. Ohm	B. Pascal
0.17	C. Ohm meter	D. None of them 2Ω and 4Ω respectively are connected in
Q. 17	caries to a 6 V bettery The heat diss	ipated by the 4 Ω resistor in 5 s will be
	A. 5 J B. 10 J	C. 20 J D. 30 J
0 18	The resistance temperature coefficient is	
Q. 10	A. Increase in resistance per degree centigra	nde
	B. Decrease in resistance per degree centigr	ade
	C. The ratio of increase in resistance per de	gree centigrade to the resistance at 0°C
	D. The ratio of increases in resistance per degre	e centigrade to the rate of rise of resistance at O'C
0.19	The product of resistance and conductan	ce of a resister is equal to
	A. I	B. Conductivity
	C. Resistivity	D. Zero
Q. 20	The resistance of a wire is 20 ohms. It is	so stretched that the length becomes three
	times, then the new resistance of the wire	will be
	A. 6.67 ohms B. 60.0 ohms	C. 120 ohms D. 180.0 ohms
Q. 21		es and one blows out, what happens to the
	other bulb?	
	A. The other bulb continues to glow with th	e same brightness
	B. The other bulb stops glowing	
	C. The other bulb glows with increased brig	htness
0 22	D. The other bulb also burns out In an open circuit, the current flowing th	rough the circuit is:
Q. 22	in an open circuit, the current nowing th	rough the circuit is.
	A Infinite B Finite	C. Zero D. Maximum
	A. Infinite B. Finite	C. Zero D. Maximum
	A. Infinite B. Finite Terminal potential difference of a cell:	C. Zero D. Maximum
	A. Infinite B. Finite Terminal potential difference of a cell: A. Increases with increase in its internal res	istance D. Maximum
	A. Infinite B. Finite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resista	istance D. Maximum
Q. 23	A. Infinite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resista C. Is independent of it internal resistance D. None of these	istance nce
Q. 23	A. Infinite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resista C. Is independent of it internal resistance D. None of these	istance nce
Q. 23	A. Infinite B. Finite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resista C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a	istance D. Maximum
Q. 23	A. Infinite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resista C. Is independent of it internal resistance D. None of these	istance nce
Q. 23 Q. 24	A. Infinite B. Finite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resista C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt	istance istance ince at 220V and the current in the circuit at 1.5
Q. 23 Q. 24	A. Infinite B. Finite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resista C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law:	istance ince It 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt
Q. 23 Q. 24	A. Infinite B. Finite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resista C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law: A. Ammeter and voltmeter should be conne	istance ince It 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt cted in series
Q. 23 Q. 24	A. Infinite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resistance C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law: A. Ammeter and voltmeter should be conne B. Ammeter should be connected in series a	istance ince It 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt Cted in series ind voltmeter in parallel
Q. 23 Q. 24	A. Infinite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resista C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law: A. Ammeter and voltmeter should be conne B. Ammeter should be connected in series a C. Ammeter should be connected in parallel	istance ince It 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt cted in series ind voltmeter in parallel and voltmeter in series
Q. 23 Q. 24 Q. 25	A. Infinite B. Finite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resista C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law: A. Ammeter and voltmeter should be conne B. Ammeter should be connected in series a C. Ammeter should be connected in parallel D. Ammeter and voltmeter should be connected.	istance ince It 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt cted in series ind voltmeter in parallel and voltmeter in series cted in parallel
Q. 23 Q. 24 Q. 25	A. Infinite B. Finite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resistance C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law: A. Ammeter and voltmeter should be conne B. Ammeter should be connected in series a C. Ammeter should be connected in parallel D. Ammeter and voltmeter should be connected. Resistivity at a given temperature dependent.	istance ince It 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt Ceted in series ind voltmeter in parallel and voltmeter in series ceted in parallel is upon:
Q. 23 Q. 24 Q. 25	A. Infinite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resistance C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law: A. Ammeter and voltmeter should be conne B. Ammeter should be connected in series a C. Ammeter should be connected in parallel D. Ammeter and voltmeter should be connected. Resistivity at a given temperature depend. A. Area of cross-section	istance ince It 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt Cted in series ind voltmeter in parallel and voltmeter in series cted in parallel is upon: B. Length
Q. 23 Q. 24 Q. 25 Q. 26	A. Infinite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resistance C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law: A. Ammeter and voltmeter should be conne B. Ammeter should be connected in series a C. Ammeter should be connected in parallel D. Ammeter and voltmeter should be connected. Resistivity at a given temperature dependence. A. Area of cross-section C. Nature of material of conductor	istance ince It 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt Cted in series ind voltmeter in parallel and voltmeter in series cted in parallel is upon: B. Length D. Both length and area
Q. 23 Q. 24 Q. 25 Q. 26	A. Infinite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resista C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law: A. Ammeter and voltmeter should be conne B. Ammeter should be connected in series a C. Ammeter should be connected in parallel D. Ammeter and voltmeter should be conne Resistivity at a given temperature depend A. Area of cross-section C. Nature of material of conductor An electrical motor has power 2000 W	istance ince It 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt Cted in series ind voltmeter in parallel and voltmeter in series cted in parallel is upon: B. Length
Q. 23 Q. 24 Q. 25 Q. 26	A. Infinite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resistance C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law: A. Ammeter and voltmeter should be conne B. Ammeter should be connected in series a C. Ammeter should be connected in parallel D. Ammeter and voltmeter should be conne Resistivity at a given temperature depend A. Area of cross-section C. Nature of material of conductor An electrical motor has power 2000 W difference?	istance ince It 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt cted in series ind voltmeter in parallel and voltmeter in series cted in parallel is upon: B. Length D. Both length and area and the resistance is 2 Ω. Find potential
Q. 23 Q. 24 Q. 25 Q. 26 Q. 27	A. Infinite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resistance C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law: A. Ammeter and voltmeter should be conne B. Ammeter should be connected in series a C. Ammeter should be connected in parallel D. Ammeter and voltmeter should be connected. Anea of cross-section C. Nature of material of conductor An electrical motor has power 2000 W difference? A. 6V B. 63.25V	istance ince It 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt Cted in series in parallel and voltmeter in parallel and voltmeter in series cted in parallel is upon: B. Length D. Both length and area and the resistance is 2 Ω. Find potential C. 0.5V D. 0.09V
Q. 23 Q. 24 Q. 25 Q. 26 Q. 27	A. Infinite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resistance C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law: A. Ammeter and voltmeter should be conne B. Ammeter should be connected in series a C. Ammeter should be connected in parallel D. Ammeter and voltmeter should be conne Resistivity at a given temperature depend A. Area of cross-section C. Nature of material of conductor An electrical motor has power 2000 W difference? A. 6V B. 63.25V The resistance of a conductor at absolute	istance ince It 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt Cted in series ind voltmeter in parallel and voltmeter in series cted in parallel is upon: B. Length D. Both length and area and the resistance is 2 Ω. Find potential C. 0.5V D. 0.09V zero is
Q. 23 Q. 24 Q. 25 Q. 26 Q. 27	A. Infinite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resistance C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law: A. Ammeter and voltmeter should be conne B. Ammeter should be connected in series a C. Ammeter should be connected in parallel D. Ammeter and voltmeter should be conne Resistivity at a given temperature depend A. Area of cross-section C. Nature of material of conductor An electrical motor has power 2000 W difference? A. 6V B. 63.25V The resistance of a conductor at absolute A. Zero	istance istance it 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt cted in series ind voltmeter in parallel and voltmeter in series cted in parallel is upon: B. Length D. Both length and area and the resistance is 2 Ω. Find potential C. 0.5V zero is B. Negative
Q. 23 Q. 24 Q. 25 Q. 26 Q. 27 Q. 28	A. Infinite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resista C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law: A. Ammeter and voltmeter should be conne B. Ammeter should be connected in series a C. Ammeter should be connected in parallel D. Ammeter and voltmeter should be conne Resistivity at a given temperature depend A. Area of cross-section C. Nature of material of conductor An electrical motor has power 2000 W difference? A. 6V B. 63.25V The resistance of a conductor at absolute A. Zero C. Positive	istance ince It 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt Cted in series ind voltmeter in parallel and voltmeter in series cted in parallel is upon: B. Length D. Both length and area and the resistance is 2 Ω. Find potential C. 0.5V D. 0.09V zero is B. Negative D. None of the above
Q. 23 Q. 24 Q. 25 Q. 26 Q. 27 Q. 28	A. Infinite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resistance C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law: A. Ammeter and voltmeter should be conne B. Ammeter should be connected in series a C. Ammeter should be connected in parallel D. Ammeter and voltmeter should be conne Resistivity at a given temperature depend A. Area of cross-section C. Nature of material of conductor An electrical motor has power 2000 W difference? A. 6V B. 63.25V The resistance of a conductor at absolute A. Zero C. Positive The resistivity of a material of resistance	istance istance it 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt cted in series ind voltmeter in parallel and voltmeter in series cted in parallel is upon: B. Length D. Both length and area and the resistance is 2 Ω. Find potential C. 0.5V zero is B. Negative
Q. 23 Q. 24 Q. 25 Q. 26 Q. 27 Q. 28	A. Infinite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resistance C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law: A. Ammeter and voltmeter should be conne B. Ammeter should be connected in series a C. Ammeter should be connected in parallel D. Ammeter and voltmeter should be conne Resistivity at a given temperature depend A. Area of cross-section C. Nature of material of conductor An electrical motor has power 2000 W difference? A. 6V B. 63.25V The resistance of a conductor at absolute A. Zero C. Positive The resistivity of a material of resistance given by	istance ince It 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt Cted in series ind voltmeter in parallel and voltmeter in series cted in parallel is upon: B. Length D. Both length and area and the resistance is 2 Ω. Find potential C. 0.5V D. 0.09V zero is B. Negative D. None of the above R, cross sectional area A, and length L is
Q. 23 Q. 24 Q. 25 Q. 26 Q. 27 Q. 28	A. Infinite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resistance C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law: A. Ammeter and voltmeter should be conne B. Ammeter should be connected in series a C. Ammeter should be connected in parallel D. Ammeter and voltmeter should be conne Resistivity at a given temperature depend A. Area of cross-section C. Nature of material of conductor An electrical motor has power 2000 W difference? A. 6V B. 63.25V The resistance of a conductor at absolute A. Zero C. Positive The resistivity of a material of resistance given by	istance ince It 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt Cted in series ind voltmeter in parallel and voltmeter in series cted in parallel is upon: B. Length D. Both length and area and the resistance is 2 Ω. Find potential C. 0.5V D. 0.09V zero is B. Negative D. None of the above R, cross sectional area A, and length L is
Q. 23 Q. 24 Q. 25 Q. 26 Q. 27 Q. 28 Q. 29	A. Infinite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resista C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law: A. Ammeter and voltmeter should be conne B. Ammeter should be connected in series a C. Ammeter should be connected in parallel D. Ammeter and voltmeter should be conne Resistivity at a given temperature depend A. Area of cross-section C. Nature of material of conductor An electrical motor has power 2000 W difference? A. 6V B. 63.25V The resistance of a conductor at absolute A. Zero C. Positive The resistivity of a material of resistance given by A. ρ = AL R B. ρ = RAL	istance ince 1. 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt Cted in series and voltmeter in parallel and voltmeter in series cted in parallel and voltmeter in series cted in parallel and the resistance is 2 Ω . Find potential C. 0.5V D. 0.09V 2ero is B. Negative D. None of the above R, cross sectional area A, and length L is C. $\rho = \frac{RA}{L}$ D. $\rho = \frac{L}{RA}$
Q. 23 Q. 24 Q. 25 Q. 26 Q. 27 Q. 28 Q. 29	A. Infinite Terminal potential difference of a cell: A. Increases with increase in its internal resistance B. Decrease with increase in internal resistance C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law: A. Ammeter and voltmeter should be conne B. Ammeter should be connected in series a C. Ammeter should be connected in parallel D. Ammeter and voltmeter should be connected in p	istance ince It 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt Cted in series and voltmeter in parallel and voltmeter in series cted in parallel is upon: B. Length D. Both length and area and the resistance is 2 Ω . Find potential C. 0.5V D. 0.09V Zero is B. Negative D. None of the above R, cross sectional area A, and length L is C. $\rho = \frac{RA}{L}$ D. $\rho = \frac{L}{RA}$ Insisting of
Q. 23 Q. 24 Q. 25 Q. 26 Q. 27 Q. 28 Q. 29	A. Infinite Terminal potential difference of a cell: A. Increases with increase in its internal res B. Decrease with increase in internal resista C. Is independent of it internal resistance D. None of these What is power of Watt if it is operated a Amp. A. 330 Watt C. 530 Watt During the verification of Ohm's law: A. Ammeter and voltmeter should be conne B. Ammeter should be connected in series a C. Ammeter should be connected in parallel D. Ammeter and voltmeter should be conne Resistivity at a given temperature depend A. Area of cross-section C. Nature of material of conductor An electrical motor has power 2000 W difference? A. 6V B. 63.25V The resistance of a conductor at absolute A. Zero C. Positive The resistivity of a material of resistance given by A. ρ = AL R B. ρ = RAL	istance ince 1. 220V and the current in the circuit at 1.5 B. 430 Watt D. 500 Watt Cted in series and voltmeter in parallel and voltmeter in series cted in parallel and voltmeter in series cted in parallel and the resistance is 2 Ω . Find potential C. 0.5V D. 0.09V 2ero is B. Negative D. None of the above R, cross sectional area A, and length L is C. $\rho = \frac{RA}{L}$ D. $\rho = \frac{L}{RA}$

PHYSICS MDCAT UNIT-7 (A+ SERIES)

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	54 (J. 2011)	
Q. 31	The temperature coefficient of resistance	of a material is expressed as
	A. $\alpha = \frac{R_s - R_t}{R_t}$ B. $\alpha = \frac{R_u + R_t}{R_t}$	C. $\alpha = \frac{R_i - R_o}{R_i t}$ D. $\alpha = \frac{\rho_i - \rho_o}{R_i t}$
	450	Rat Rat
Q. 32	Reciprocal of resistivity is called	
	A. Resistance	B. Inductance
200 000	C. Conductivity	D. Flexibility
Q. 33	The figure shows a network of currents. The current I will be	The magnitude of currents is shown here.
	The current I will be	
	184	\ -
	· · · · ·	
	1	
	A. 3 A	B. 9 A
	0 10 4	D. 19 A
0.34	Heater of 400 watts kept on for 5 hours	will consume electrical power of
	A CAPANAL DEPARTMENT	
Q. 35	When 2Ω , 4Ω and 6Ω resistor are con	nected in parallel their resultant equivalent
	resistance will be	C. 12/11Ω D. Data is insufficient
2 22	A. 12Ω B. 11/12Ω	
Q. 36	Kirchoff's law of junctions is also called	B. Chage
	A. Energy	D. Angula momentum
0.27	C. Momentum In series combination of resistances:	D. Aliguia momentum
Q. 37		B. Total resistance is reduced
	A. p.d. is same across each resistance C. Current is same in each resistance	D. All above are true
0 38	The electrical device which is being use	ed to compare the e.m.f. of two cells is known
Q. 50		d to compare the climit of the cens is mann
	as A. Rheostat	B. Wheatstone Bridge
		D. Galvanometer
0 20	C. Potentiometer	and plate the V-I graph of three samples of
Q. 39	nichrome wire with resistances Rt R2 8	and R3 respectively. Which of the following is
	true?	
		R. R.
	1,4	
	(ampere)	/ By
		V(volts)
	4 D - D - D	B. $R_1 > R_2 > R_3$
	A. $R_1 = R_2 = R_3$	D. $R_2 > R_3 > R_1$
0 40	C. $R_3 > R_2 > R_1$ The direction of the flow of electron in	
Q. 40		B. Perpendicular to electric field
	A. Along the electric field	D. Not a particular direction
0 11	C. Opposite to electric field	increases
Q. 41	by mercasing the temperature	B. Resistance
	A. Thermal agitation of atoms	D. Both 'A' and 'B'
0 0	C. Conduction	D. Both A and B
Q. 42	kWh is the unit of	B. Emf
	A. Energy	
	C. Power	D. Potential difference
Q. 43	If a wire conductor of 0.2-ohm resista	nce is doubled in length, its resistance become
	A. 0.4 ohm B. 0.6 ohm	C. 0.8 ohm D. 1.0 ohm
Q. 44		ent resistors having same potential difference
	-A. 25-ohm resistor	B. 18-ohm resistor
	C. 10-ohm resistor	D. 5-ohm resistor.
Q. 45	The brightness of a bulb will be redu	ced, if a resistance is connected in
	A. Series with it	B. Parallel with it
	C Series or parallel with-it	D. Brightness of the bulb cannot be reduce
0 46	A carbon resistor connected to a batt	ery of 50V and 2A current passing it. If volta
Q. 40	is increased to 75V the current will b	e
	A. 1.5 A	B. 3 A
	A. 1.3 A	D. 4.5 A

PAGE 3 OF



		10 29 0	300	A SAME OF THE OWNER, T				
Q. 47	When bulbs are connected in series then generally to find power, we give priority to the relation							
	A. P=IV		C. $P = I^2R$					
Q. 48	A wire of resistance R is cut into n equal parts. These parts are then connected in parallel. The equivalent resistance of the combination is							
	A. Nr	B R	C. $\frac{n}{R}$	D. $\frac{R}{n^2}$				
Q. 49	Three 2-ohm resistors are connected to form a triangle. The resistance between any							
	Α. 6 Ω	B. $(\frac{3}{4}) \Omega$	C. 2 Ω	$D.(\frac{4}{3})\Omega$				
0.50	The soudition for U	Sheatstone bridge to	he balanced is given	by				
2.50	A. $\frac{R_1}{R_2} = \frac{R_4}{R_3}$	B. $\frac{R_1}{R_2} = \frac{R_3}{R_4}$	C. $\frac{R_2}{R_1} = \frac{R_3}{R_4}$	D. $\frac{R_1}{R_4} = \frac{R_1}{R_2}$				
Q. 51	A. $\frac{R_1}{R_2} = \frac{R_4}{R_3}$ B. $\frac{R_1}{R_2} = \frac{R_3}{R_4}$ C. $\frac{R_2}{R_1} = \frac{R_3}{R_4}$ D. $\frac{R_3}{R_4} = \frac{R_4}{R_2}$ Three resistors R ₁ , R ₂ , and R ₃ are connected in series. If R ₁ > R ₂ > R ₃ , the equivalent resistance will be:							
	A. Lesser than R ₁		B. Equal to R ₁ D. Greater than R ₁	luctor its drift valuelts				
Q. 52	When the potential difference is applied across the conductor as drift velocity							
	A. Increases C. Constant		B. Decreases D. First increase th	en decrease				
Q. 53	What is the current in the arm OD							
			IA AA					
	A. 3A from O to D		B. 2A from D to (
	C. 2A from O to D		D. 4A from O to I) '				
Q. 54	Three resistors connected in series have individual voltages labeled V1, V2, and V3, respectively. Which of the following expresses the value of the total voltage Vt taken over the three resistors together?							
	A. $V_T = V_1 + V_2 + V_3$	3	B. $V_T = (1/V_1 + 1)$ D. $V_T = (1/V_1 + 1)$	$(V_2 + 1/V_3)$				
	C. $V_T = V_1 = V_2 = V$			1				
Q. 55	5 The smallest resistance obtained by connecting 50 resistance of $\frac{1}{4}$ each is:							
	A. 200 ohms C. 50/4 ohms		B. 1/200 ohms - D. 4/50 ohms					
Q. 56	Length of two wires of same material have ratio 2:3 and their radii have the ratio 1:2 Then the ratio of their resistances is							
	A. 1:3	B. 4:3	C. 1:6	D. 8:3				
Q. 57	A. Ohmic conductor		B. Non Ohmic con					
0. 58	C. Insulator An electric iron is	marked 20 volts 500	D. Super conducto W. The units cons	or umed by it in using it fo				
100	24 hours will be	;	B. 24					
	A. 12 C. 5		D. 1100					
Q. 59	resistance of its ma	terial is 0.004/°C. I	ts resistance at 0 °C	emperature coefficient o				
Q. 60	A. 6.5 ohm A battery is used to	B. 5 ohm light a 24 W electr	C. 3-ohm ic lamp. The battery	D. 4 ohm provides a charge of 12				
	C in 60s.		+					
	The Mark Control			THE RESERVE OF THE PARTY OF THE				

LOGICAL REASONING MDCAT

UNIT- 4 (A+SERIES)

TOPIC:

✓ COURSE OF ACTION

Q.1 Statement:

A lot of unscrupulous and non affiliated colleges have started to lure unsuspecting students by giving attractive advertisements

Courses of Action

- Students should make appropriate enquiries while enrolling in any course.
- II. The government should initiate strict action against such college authorities.

A. If only I is most appropriate

B. If only II is most appropriate

C. If either I or II is most appropriate

D. If neither I nor II is most appropriate

E. If both I and II are most appropriate

Q.2 Statement:

The colony has suffered major thefts and break-ins due to lax security systems

Courses of Action

- Security should be strengthened in the colony.
- II. Residents and regular visitors and their vehicles should be provided with identity cards and stickers for better control of who is coming and going into the colony.

A. If only I is most appropriate

B. If only II is most appropriate

C. If either I or II is most appropriate

D. If neither I nor II is most appropriate

E. If both I and II are most appropriate

Q.3 Statement:

The LESCO has been unable to provide 24 hours electricity leading to tremendous economic loss.

Courses of Action

- I. The Government must provide for increasing electricity consumption
- II. The government should check the electricity theft cases.

A. If only I is most appropriate

B. If only II is most appropriate

C. If either I or II is most appropriate

D. If neither I nor II is most appropriate

E. If both I and II are most appropriate

Q.4 Statement:

A sting operation conducted by a TV news channel proved to be a total failure as the reporter who carried out the sting was found to have created a fake sting in order to gain publicity and money.

Courses of Action

- Disciplinary action must be initiated immediately against the reporter.
- II. The TV channel should be penalized and taken off air for a short period of time.

A. If only I is most appropriate

B. If only II is most appropriate

C. If either I or II is most appropriate

D. If neither I nor II is most appropriate

E. If both I and II are most appropriate

0.5 Statement:

There is a shortage of power in Pakistan.

Courses of Action

- There should be more power projects initiated by the government.
- The government should encourage private investment in power projects.
- A. If only I is most appropriate
- B. If only II is most appropriate
- C. If either I or II is most appropriate
- D. If neither I nor II is most appropriate
- E. If both I and II are most appropriate

O.6 Statement:

The reduction of the tax rates has led to an increase in the tax collection as there has been higher compliance

Courses of Action

- It should be made compulsory every Pakistani to pay tax.
- Tax rates should be further reduced and a further increase in tax collections can be expected on doing so.
- A. If only I is most appropriate
- B. If only II is most appropriate
- C. If either I or II is most appropriate
- D. If neither I nor II is most appropriate
- E. If both I and II are most appropriate

Q.7 Statement:

An unacceptable number of children die during the first year of their lives. The high incidence of infant deaths is a major cause for concern for the health ministry

Courses of Action

- All government hospitals should be privatized to improve health care facilities.
- II. Governments should commit higher levels of their budget to health services
- A. If only I is most appropriate
- B. If only II is most appropriate
- C. If either I or II is most appropriate
- D. If neither I nor II is most appropriate
- E. If both I and II are most appropriate

Q.8 Statement:

The cream of Pakistan's cricket team is likely to retire in the next three years leaving a vacuum which the Pakistan cricket team is going to struggle to overcome.

Courses of Action

- The PCB should start to induct youngsters into the team and start to give them exposure to pressure situations.
- II. There should be a rotation policy adopted for senior players in order to prolong their careers and keep them injury free.
- A. If only I is most appropriate
- B. If only II is most appropriate
- C. If either I or II is most appropriate
- D. If neither I nor II is most appropriate

E. If both I and II are most appropriate



0.9 Statement:

Studies of global warming show that the earth could be hotter by at least 6 degree C in the next 100 years, thanks to huge greenhouse gas emission.

Courses of Action

- Since greenhouse gases are responsible for global warming, steps should be taken
 to control their emission immediately.
- All new industries should be immediately stopped from starting to control environmental damage.
- A. If only I is most appropriate
- B. If only II is most appropriate
- C. If either I or II is most appropriate
- D. If neither I nor II is most appropriate
- E. If both I and II are most appropriate

Q.10 Statement:

"New students of our college get frightened by ragging. The ragging prevalent in our college is also creating a bad name for our college"

Courses of Action

- The college authorities take stringent action against those who are involved.
- II. A strict anti ragging law should be passed to control ragging in our college
- A. If only I is most appropriate
- B. If only II is most appropriate
- C. If either I or II is most appropriate
- D. If neither I nor II is most appropriate
- E. If both I and II are most appropriate

Q.11 Statement

The presence of Mafiosi in the education system of Sindh has increased drastically.

Courses of Action

- There should be a special taskforce constituted to clean the system of its ills.
- The Sindh government should resign immediately.
- A. If only I is most appropriate
- B. If only II is most appropriate
- C. If either I or II is most appropriate
- D. If neither I nor II is most appropriate
- E. If both I and II are most appropriate

Q.12 Statement:

The Mobilink is playing dirty tricks with its competitor Telenor.

Courses of Action

- I. Telenor should also do the same
- II. Telenor should decrease the tariff rate of phone calls.
- A. If only I is most appropriate
- B. If only II is most appropriate
- C. If either I or II is most appropriate
- D. If neither I nor II is most appropriate
- E. If both I and II are most appropriate

Q.13 Statement:

There is a proposal for the Sindh government to clear the slum areas in Karachi for beautification and economic development.

Courses of Action

- The Sindh Government should compensate the affected persons with reasonable amount.
- The Sindh Government should stop beautification and economic development work immediately.
- A. If only I is most appropriate
- B. If only II is most appropriate
- C. If either I or II is most appropriate
- D. If neither I nor II is most appropriate
- E. If both I and II are most appropriate

A. Bake

B. Fry

C. Sizzle

D. Roast

Q.15 If in a certain language GRASP is coded as BMVNK, which word would be coded as

CRANE?

A. FUDQH

B. HWFSJ

C. GVERI

D. XMVIZ

Q.16 Statements:

Tom puts on his socks before he puts on his shoes.

He puts on his shirt before he puts on his jacket.

Tom puts on his shoes before he puts on his shirt.

If the first two statements are true, the third statement is

A. True

B. False

C. Uncertain

D. None of these

Q.17 Statements:

Some sacks are backs.

All backs are bones.

No bone is muscle.

Conclusions:

I. Some sacks are not muscles.

II. Some sacks are not bones.

III. All sacks are bones.

IV. No sack is muscle.

A. Only I follows

B. None follows

C. Only IV follows

D. None of these

Q.18 2, 0, 5, 3, ?, 8, 17

A. 9

B. 10

C. 6

D. 8

Q.19 What should come next in the series 12 234 3456?

A. 45678

B. 6789

C. 34567

D. None of these

0.20 Find the one which does not belong to that group

A. Spider

B. Housefly

C. Mosquito

D. Bee

ENGLISH MDCAT

TEST-7 (A+ SERIES)

TOPICS:

VOICE AND VOCABULARY (76-100)

Directions:

Q.4

Q.5

Choose the Correct Voice

Q.1 After driving Professor Jones to the museum, she dropped him at his hotel.

A. After being driven to the museum, Professor Jones was dropped at his hotel.

B. Professor Jones was being driven dropped at his hotel.

C. After she had driven Professor Jones to the museum, she had dropped him at his hotel.

D. After she was driven Professor Jones to the museum, she had dropped him at his hotel.

Q.2 I remember my sister taking me to the museum.

A. I remember I was taken to the museum by my sister.

B. I remember being taken to the museum by my sister.

C. I remember myself being taken to the museum by my sister

D. I remember taken to the museum by my sister.

Q.3 Who is creating this mess?

A. Who has been created this mess?

C. By whom this mess is being created?

They greet me cheerfully every morning.

A. Every morning I was greeted cheerfully.
 B. Tam greeted cheerfully by them every morning.

C. I am being greeted cheerfully by them every morning.

D. Cheerful greeting is done by them every morning to me.

Darjeeling grows tea.

A. Tea is being grown in Darjeeling.

C. Tea is grown in Darjeeling.

B. Let the tea be grown in Darjeeling.

B. By whom has this mess been created?

D. By whom is this mess being created?

D. Tea grows in Darjeeling.

Q.6 They have built a perfect dam across the river.

A. Across the river a perfect dam was built.

B. A perfect dam has been built by them across the river.

C. A perfect dam should have been built by them.

D. Across the river was a perfect dam.

Q.7 Do you imitate others?

A. Are others being imitated by you?

C. Have others being imitated by you?

Q.8 You need to clean your shoes properly.

A. Your shoes are needed to clean properly.

C. Your shoes need to be cleaned properly.

Q.9 Did she do her duty?

A. Was her duty be done by her?

C. Her duty was being done by her.

B. Was her duty done by her?

D. Was the duty being done by her?

B. Are others imitated by you?

D. Were others being imitated by you?

B. You are needed to clean your shoes properly.

D. Your shoes are needed by you to clean properly.

Q.10 The invigilator was reading out the instructions.

A. The instructions were read by the invigilator.

B. The instructions were being read out by the invigilator.

C. The instructions had been read out by the invigilator.

D. The instructions had been read by the invigilator.

Q.11 You can play with these kittens quite safely.

A. These kittens can played with quite safely.

B. These kittens can play with you quite safely.

C. These kittens can be played with you quite safely. D. These kittens can be played with quite safely.

Q.12 A child could not have done this mischief.

A. This mischief could not be done by a child.

C. This mischief could not have been done by a child.

B. This mischief could not been done by a child.

D. This mischief a child could not have been done.

Q.13 James Watt discovered the energy of steam.

A. The energy of steam has been discovered James Watt.

B. The energy of steam was discovered by James Watt.

C. James Watt was discovered by the energy of steam.

D. James Watt had discovered energy by the steam.

Q.14 She makes cakes every Sunday.

A. Every Sunday cakes made by her.

C. Cakes are made by her every Sunday.

Q.15 Work hard.

A. Let the work be hard.

C. Let you work be hard.

Q.16 She spoke to the official on duty.

A. The official on duty was spoken to by her.

C. She was spoken to by the official on duty.

ENGLISH MDCAT TEST-7 (A+ SERIES)

B. Cakes make her every Sunday.

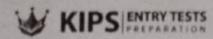
D. Cakes were made by her every Sunday.

B. Work be hard.

D. You are advised to work hard.

B. The official was spoken to by her on duty.

D. She was the official to be spoken to on duty.



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		MS	6 6 4				
1	KIPS ENTRY TESTS	140 MG	and of	6 9 8 9	l		
,	S ILII SIPREPARATION		400 p	8 8 8 8			
				AC XX G G			
Q.17	The doctor advised the patient no	of to eat rice.					
A. The patient was advised by the doctor not to eat rice. B. The patient was advised by the doctor that he should not eat rice.							
	C. The patient was being advised by	v the doctor that	t he should not rice	by the doctor.			
	D. The patient has been advised no	t to eat rice by t	he doctor.				
0.18	I cannot accept your offer.						
-	A. Your offer cannot be accepted b	y me.		ccepted by your offer.			
0.10	C. The offer cannot be accepted by You should open the wine about	me.		nnot been accepted.			
Q.19	A. Wine should be opened about th	ree hours before	e use.				
	B. Wine should be opened by you t	hree hours befo	re use.				
1	C. Wine should be opened about th	ree hours before	you use it.				
-	D. Wine should be opened about the	ree hours before	e it is used.	THE PARTY OF THE PARTY OF			
Q.20	They will inform the police. A. The police will be informed by the second seco	hem	B. The police w	ill inform them.			
	C. The police are informed by them		D. Informe will	be the police by them.			
Q.21	Do not beat the dog.						
	A. Let the dog be not beaten.		B. Let the dog be beaten not.				
0.22	C. Let not the dog been beaten.		D. Let the dog not be beaten.				
Q.22	Harry ate six shrimp at dinner. A. At dinner, six shrimp were eater	by Harry	B. At dinner, six	shrimp had been eaten by Harry.			
	C. At dinner, six shrimp was eaten		D. At dinner, six shrimp had eaten by Harry.				
Q.23	I think that someone built the ho	use in 1814.					
	A. I think that the house was built i			e house was built in 1814.			
	C. I think that the house built in 18		D. I think that th	e house had been built in 1814.			
Q.24	We are going to watch a movie to A. A movie is going to be watched	hy us tonight.	B. A movie has h	been gone to be watched by us tonigh	į		
	C. A movie is being watched tonigh		D. A movie toni	ght is being watched by us.			
Q.25	I ran the obstacle course in record	d time.					
	A. The obstacle course was run by me in record time. B. The obstacle course had run by me in record time.						
	C. The obstacle course was being ru	n by me in reco	ord time.				
(Manager	D. The obstacle course had been run	by me in recor	d time.				
Directi	Choose the correct SYNONYM.						
2.26	INTENDED	STATE AND					
100	A. Envisioned B. Inadve	ertent	C. Spontaneous	D. Impulsive			
Q.27	INVAIN			D. frivolous			
0.30	A. facile B. futile		C. fertile	D. Involous			
Q.28	A. oblivion B. obscur	rity	C. anonymity	D. clarification			
Q.29	INVARIABLY		Camonymny				
	A. sporadically B. interm	ittently	C. perpetually	D. sequentially			
Q.30	IRRITABLE						
	A. contentious B. preten	tious	C. forbearing	D. intriguing			
Q.31	A. proclaimed B. convir	read	C. alluded	D. impelled			
Q.32	INTENTLY	iceu	C. andded	D. Impered			
1	A. vividly B. keenly		C. distractedly	D. deliberately			
Q.33	INDUSTRY						
	A. assiduity B. slackn	ess	C. ambiguity	D. drabness			
Q.34	INTOLERABLE A. domineering B. admiss	dia.	Caraldakia	D. overwhelming			
0.35	A domineering B, admiss JUDGMENT	sible	C. moldable	D. overwheiming			
7100	A absurdity B. discern	nment	C. bossiness	D. officiousness			
Direction	The state of the s						
	Choose the correct ANTONYMS.						
2.36	JUBILANT						
	A. betrayed B. excited	1	C. overjoyed	D. dismayed			
Direction	n: Choose the correct WORD with re	spect to the gi	ven context				
2.37	The levels of violence have become		efore, drastic mea	sures are needed			
2.00	A. intolerable B. discon		C. ludicrous	D. abrupt			
2.38	Despite the miserable conditions I			on things that fascinate me.			
	A. haphazardly B. irritabl	y	C. intently	D. appallingly			
2.39	When faced with challenge, it is be		in the way than i	run out of the way.			
Menath	A. limp B. beckor		C. fringe	D. flick			
Directio	Choose the CORRECT spelling.			To the Burney of the			
1 40	choose the Correct I spennig.						

ENGLISH MDCAT TEST.7 (A+ SERIES)

B. imparceptibly

C. imperceptibily

D. impercaptibly

A. imperceptibly