



BIOLOGY MDCAT

UNIT-1 (A+ Series)

TOPIC:

✓ Cell Structure and Function

- Q.1** Which pair of structures is found in both plant and animal cells?
 A. Nucleus and glyoxysome
 B. Cell membrane and peroxisome
 C. Nucleolus and chloroplast
 D. Cell membrane and cell wall
- Q.2** The DNA in bacterial cells occupies a position near to the center of the cell and is:
 A. Circular and double stranded
 B. Circular and single stranded
 C. Linear and single stranded
 D. Linear and double stranded
- Q.3** Prokaryotic cell differ from eukaryotic cell in lacking:
 A. DNA molecule
 B. Ribosomes
 C. Histones
 D. Cytoplasm
- Q.4** Genomic material without an envelope occurs in:
 A. Bacteria and green algae
 B. *Mycoplasma* and blue green algae
 C. Cyanobacteria and red algae
 D. Eubacteria and animal-like protists
- Q.5** Which of the following correctly describes the position of middle lamella in plant cells?
 A. In between the primary and secondary wall
 B. In between the primary walls of the neighboring cells
 C. In between the cell membrane and primary wall
 D. Lies inner to the cell membrane
- Q.6** Desmosomes are modifications of:
 A. Nucleus
 B. Plasma membrane
 C. Golgi complex
 D. Endoplasmic reticulum
- Q.7** Nuclear reticulum in a non-dividing cell is the alternative name of:
 A. Chromatin network
 B. Centromere
 C. Chromosome
 D. Centrosome
- Q.8** _____ is present only in the eukaryotic cells.
 A. Genetic material
 B. Ribosomes
 C. Cristae
 D. Cell wall
- Q.9** Prokaryotic cytoplasm differs from eukaryotic cytoplasm with respect to:
 A. Consistency
 B. Absence of cytoskeleton
 C. No. of organelles
 D. All A, B, C
- Q.10** Pick the odd one out with respect to number of membrane/s:
 A. Golgi apparatus
 B. Vacuoles
 C. Endoplasmic reticulum
 D. Chloroplast
- Q.11** Which of the following is the exclusive feature of animal cells but not of the plant cells?
 A. Translation
 B. Phagocytosis
 C. ATP formation
 D. Transcription
- Q.12** Which of the following is not a part of endo-membranous system?
 A. Golgi complex
 B. Lysosomes
 C. Endoplasmic reticulum
 D. Plastids
- Q.13** Anthocyanin is a water soluble pigment and found in:
 A. Vacuole
 B. Leucoplast
 C. Chromoplast
 D. Chloroplast
- Q.14** Carrier molecules facilitating transport across cell membrane are:
 A. Membrane oligosaccharides in nature
 B. Phospholipids in nature
 C. Cholesterol in nature
 D. Proteins in nature
- Q.15** Which is not properly matched?
 A. Chloroplast - Photosynthesis
 B. Golgi apparatus - Catabolism of macromolecules
 C. Mitochondria - Chemiosmosis
 D. RER - Protein synthesis


MDCAT Comprehensive Test Session (CTS A+ Series)
Starting from 7th Aug 2023

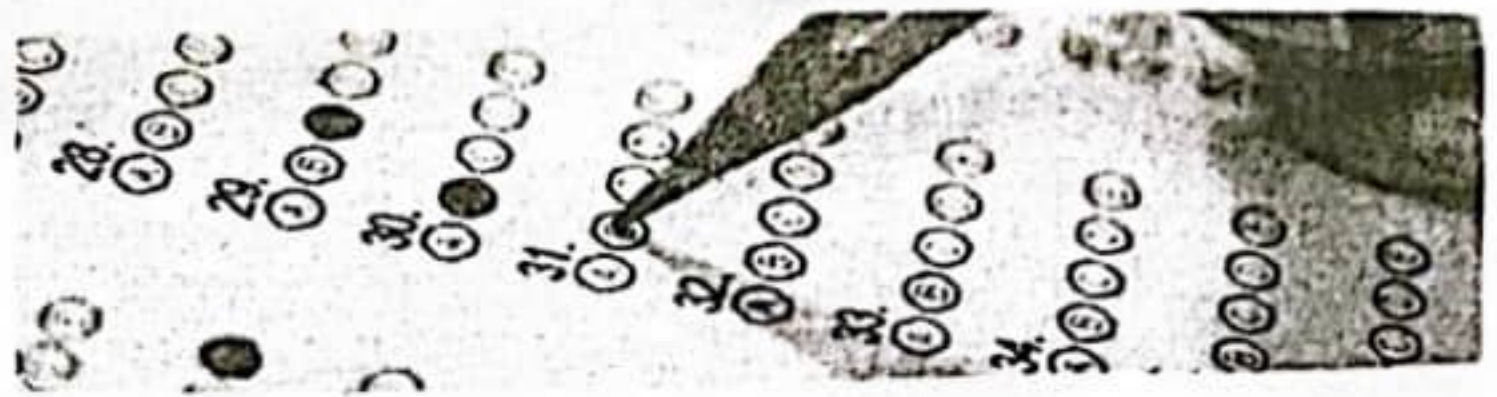
Sr.	Date	Day	Paper	Physics	Chemistry	Biology	English	Logical Reasoning	
1	07-08-23	Monday	FLP-1	Unit-1 (60) (Force and Motion)	Unit-1 (60) (Introduction to Fundamental Concepts of Chemistry)	Unit-1 (60) (Cell Structure & Function)	Unit-1 (40) (Tenses and their Aspects, Forms of Verb, The grammar of Verb)	Unit-1 (20) (Letters & Symbols Series)	
2	08-08-23	Tuesday	FLP-2	Unit-2 (60) (Work and Energy)	Unit-2 (60) (Atomic Structure)	Unit-2 (60) (Biological Molecules, Enzymes)	Unit-2 (40) (Vocabulary (1-25 Words) + Spelling, Subject-Verb Agreement)		
3	09-08-23	Wednesday	FLP-3	Unit-3 (60) (Rotational and Circular Motion)	Unit-3 (60) (Gases, Liquids, Solids)	Unit-3 (60) (Bioenergetics)	Unit-3 (40) (Clause, Conjunction and Sentence, Cloze Sentence (Sentence Completion))	Unit-2 (20) (Logical Problems)	
4	10-08-23	Thursday	FLP-4	Unit-4 (60) (Waves)	Unit-4 (60) (Chemical Equilibrium, Reaction Kinetics)	Unit-4 (60) (Bio-diversity, Prokaryotes)	Unit-4 (40) (Combination Mistakes, Vocabulary (26-50 Words) + Spelling)		
5	11-08-23	Friday	FLP-5	Unit-5 (60) (Thermodynamics)	Unit-5 (60) (Thermochemistry and Energetics of Chemical Reactions, Electrochemistry)	Unit-5 (60) (Diversity among animals)	Unit-5 (40) (Miscellaneous Mistakes, Modifier)	Unit-3 (20) (Logical Deductions)	
6	12-08-23	Saturday	FLP-6	Unit-6 (60) (Electrostatics)	Unit-6 (60) (CHEMICAL BONDING)	Unit-6 (60) (Life Processes (Nutrition, Gaseous Exchange))	Unit-6 (40) (Vocabulary (51-75 Words) + Spelling, Functional Words (Preposition))		
7	13-08-23	Sunday	FLP-7	Unit-7 (60) (Current Electricity)	Unit-7 (60) (s And p Block Elements, Transition Elements)	Unit-7 (60) (Life Processes (Transport))	Unit-7 (40) (Vocabulary (76-100 Words)+ Spelling, Active & Passive Voice)	Unit-4 (20) (Course of Action)	
8	14-08-23	Monday	INDEPENDENCE DAY						
9	15-08-23	Tuesday	FLP-8	Unit-8 (60) (Electromagnetism and Electromagnetic Induction)	Unit-8 (60) (Fundamental Concepts of Organic Chemistry Chemistry of Hydrocarbons)	Unit-8 (60) (Nervous & chemical coordination)	Unit-8 (30) (Direct & Indirect, Vocabulary (101-125 Words)+ Spelling, Punctuation & Capitalization)		
10	16-08-23	Wednesday	FLP-9	Unit-9 (60) (Electronics and Dawn of Modern Physics)	Unit-9 (60) (Alkyl Halides, Alcohols and Phenols, Aldehydes and Ketones)	Unit-9 (60) (Reproduction, Support and Movement)	Unit-9 (40) (Pronoun, Vocabulary (126-150 Words)+ Spelling, Determiner (Article))	Unit-5 (20) (Cause & Effect)	
11	17-08-23	Thursday	FLP-10	Unit-10 (60) (Atomic Spectra + Nuclear Physics)	Unit-10 (60) (Carboxylic Acids, Macromolecules)	Unit-10 (60) (Variations & Genetics, Evolution)	Unit-10 (40) (Noun, Vocabulary (151-208 Words)+ Spelling, Reading Comprehension)	Unit-6 (20) (Critical Thinking)	
12	18-08-23	Friday	FLP-11 1st Half (200)	Unit 1-5 (54)	Unit 1-5 (54)	Unit 1-5 (68)	Unit 1-5 (18)	Unit 1-3 (6)	
13	19-08-23	Saturday	FLP-12 2nd half (200)	Unit 6-10 (54)	Unit 6-10 (54)	Unit 6-10 (68)	Unit 6-10 (18)	Unit 4-6 (6)	
14	20-08-23	Sunday	HOLIDAY						
15	21-08-23	Monday	FLP-13 (200)	MDCAT Super Final-1 (Full Course)					
16	22-08-23	Tuesday	FLP-14 (200)	MDCAT Super Final-2 (Full Course)					
17	23-08-23	Wednesday	FLP-15 (200)	MDCAT Super Final-3 (Full Course)					
18	24-08-23	Thursday	FLP-16 (200)	MDCAT Super Final-4 (Full Course)					
19	25-08-23	Friday	FLP-17 (200)	MDCAT Super Final-5 (Full Course)					



- Q.16** Which of the following is not a single membranous organelle?
 A. Centrosome
 B. Peroxisome
 C. Lysosome
 D. Vacuole
- Q.17** Which of the following is an example of anucleated cell?
 A. Skeletal myocytes
 B. Epithelial cells
 C. Cardiac myocytes
 D. Mature human RBCs
- Q.18** Which of the following involves the non-selective uptake of tiny droplets of extracellular fluid?
 A. Pinocytosis
 B. Exocytosis
 C. Endocytosis
 D. Phagocytosis
- Q.19** Mitochondria and chloroplasts are similar in all aspects except:
 A. Contains circular DNA
 B. Both can generate ATP
 C. Semi-autonomous nature
 D. Evolutionary origin
- Q.20** Dark reactions in photosynthetic prokaryotes take place in:
 A. Stroma
 B. Cytoplasm
 C. Matrix
 D. Cisternal space
- Q.21** Lysosomes are called so as they have _____ enzymes.
 A. Digestive
 B. Oxidizing
 C. Respiratory
 D. Carboxylating
- Q.22** Process of _____ is never take place in cytoplasm of a eukaryotic cell.
 A. Glycolysis
 B. Fermentation
 C. Translation
 D. Transcription
- Q.23** Which of the following is not related to lysosome?
 A. Autolysis
 B. Chemiosmosis
 C. Autophagy
 D. Intracellular digestion
- Q.24** The chemicals present in the middle lamella are:
 A. Cellulose, hemicellulose and lignin
 B. Lignin and suberin
 C. Calcium salt and pectin
 D. Cellulose and pectin
- Q.25** In plants and fungi, enzymatic hydrolysis is performed by:
 A. Lysosomes
 B. Ribosomes
 C. Lytic vacuoles
 D. Cell membrane
- Q.26** Sarcosomes are muscle _____.
 A. Endoplasmic reticulum
 B. Mitochondria
 C. Proteins
 D. Plasma membrane
- Q.27** Residual bodies are also called _____ lysosomes.
 A. Primary
 B. Secondary
 C. Tertiary
 D. Quaternary
- Q.28** Lysosomal contents are:
 A. Highly acidic
 B. Highly basic
 C. Weakly acidic
 D. Alkaline in nature
- Q.29** Which of the following are most abundant organic molecules found in the cell membrane?
 A. Carbohydrates
 B. Lipids
 C. Cholesterol
 D. Proteins
- Q.30** In secondary cell wall, _____ cements and anchors cellulose microfibrils together and is responsible for rigidity.
 A. Lignin
 B. Pectin
 C. Inorganic salts
 D. Suberin
- Q.31** Which of the following organelle provides mechanical support to the cell so that its shape is maintained?
 A. Nucleus
 B. Endoplasmic reticulum
 C. Golgi complex
 D. Microbodies
- Q.32** The outer mitochondrial membrane is characterized by all of the following except:
 A. Presence of porins
 B. Somewhat like a sieve
 C. Presence of F_1 particles
 D. Allow free passage of various molecules



- Q.33 Ribosomes are not located in/on _____ of eukaryotic cell.
A. Stroma
B. Plasmalemma
C. Matrix
D. Cytoplasm
- Q.34 All of the following are present in central fibril area of the nucleolus except:
A. rDNA
B. rRNA
C. Proteins
D. Ribosomal subunits
- Q.35 The waxy substance associated with cell walls of cork cells is:
A. Cutin
B. Lignin
C. Suberin
D. Chitin
- Q.36 Which of the following organelles is present in plants only?
A. Ribosomes
B. Glyoxysomes
C. Peroxisomes
D. Cell wall
- Q.37 The term 'bioblast' is another term used for:
A. Mitochondria
B. Nucleus
C. Chloroplast
D. Rough endoplasmic reticulum
- Q.38 The vacuole in the plant cell contains:
A. Stroma
B. Cell sap
C. Matrix
D. Cytosol
- Q.39 Mitochondria is semi-autonomous due to presence of:
A. Proteins only
B. RNA and proteins
C. DNA and RNA
D. DNA, RNA and proteins
- Q.40 Plastids are found in:
A. *Saccharomyces cerevisiae*
B. *Mycoplasma*
C. *Spirogyra*
D. *Nostoc*
- Q.41 Transformation of chemical energy into usable energy currency takes place in:
A. Nucleus
B. Chloroplast
C. Mitochondria
D. Nucleolus
- Q.42 Elaioplasts are the type of plastids which are responsible of storing:
A. Fats
B. Amylose
C. Proteins
D. Amylopectin
- Q.43 Dictyosomes are:
A. Golgi bodies
B. Ribosomes
C. Respiratory particles
D. Basal bodies
- Q.44 SER is the major site of synthesis of:
A. ADH
B. Thyroxine
C. Estrogen
D. Nor-epinephrine
- Q.45 The most primitive organelle is:
A. Ribosome
B. Endoplasmic reticulum
C. Peroxisome
D. Mitochondrion
- Q.46 In plant cells, linear DNA is present in:
A. Nucleus
B. Chloroplast
C. Mitochondrion
D. Vacuole
- Q.47 Which of the following is correctly matched?
A. Microsome - Photosynthesis
B. Lysosomes - Synthesis of amino acids
C. Centrosome - Enzymes for digestion
D. Golgi complex - Cell secretion
- Q.48 70S type ribosomes are absent in:
A. Plastids
B. Cyanobacteria
C. Mitochondria
D. *Chlamydomonas*
- Q.49 Which of the following stain is used to visualize nucleoid of a prokaryotic cell?
A. Crystal violet
B. Safranin stain
C. Methylene blue
D. Feulgen stain
- Q.50 The entire cell wall of bacterial cell is often considered as single molecule or molecular complex is known as:
A. Peptidoglycan
B. Murein
C. Capsule
D. Sacculus



- Q.51** Which of the following sub-unit of ribosome is attached first with mRNA during translation in prokaryotes?
A. 70S
B. 50S
C. 40S
D. 30S
- Q.52** All of the followings are having enzymes for chemiosmosis except:
A. Tonoplast
B. Bacterial mesosomes
C. Cristae
D. Thylakoid membrane
- Q.53** Which of the following store maximum water in mature plant cell?
A. Chloroplast
B. Nucleus
C. Vacuole
D. Cytoplasm
- Q.54** RER differs from SER due to presence of:
A. Palade's granules
B. Cristae
C. Cisternae
D. Suicidal bags
- Q.55** Which of the following enzyme is characteristic of Golgi apparatus?
A. Acid phosphatase
B. Glycosyl transferase
C. Peptidyl transferase
D. Cytochrome oxidase
- Q.56** Photosynthetic units are also called:
A. Quantosomes
B. Lysosomes
C. Dictyosomes
D. Sphaerosomes
- Q.57** Trace the secretory route of pepsinogen through zymogen cells of stomach:
A. RER → SER → Golgi apparatus → Golgi vesicles
B. RER → SER → Secretory vesicles → Golgi apparatus
C. SER → RER → Golgi apparatus → Secretory vesicles
D. RER → Golgi apparatus → Secretory vesicles → SER
- Q.58** All of the following are associated with nucleolus except:
A. Darkly stained body within the nucleus
B. Composed of two regions
C. Assembly site of ribosomes
D. Contains a single membrane
- Q.59** Thylakoids are found commonly in the plastids of:
A. Higher plants
B. Blue-green algae
C. Eubacteria
D. Cyanobacteria
- Q.60** During protein synthesis, the attachment of larger and smaller ribosomal subunits is controlled by the presence of:
A. Zn^{+2}
B. Mg^{+2}
C. Na^{+}
D. Cu^{+2}

Biology



KIPS

PREPARATIONS

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D
1	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	16	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	31	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	46	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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4	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	19	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	34	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	49	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
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13	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	28	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	43	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	58	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
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CHEMISTRY MDCAT

UNIT-1 (A + SERIES)

TOPIC:-

✓ INTRODUCTION TO FUNDAMENTAL CONCEPTS OF CHEMISTRY

- Q.1 Which of these samples of gas contains the same number of atoms as 1 g of hydrogen gas.
 A. 22 g of carbon dioxide
 B. 8 g of methane
 C. 20 g of neon
 D. 8 g of ozone
- Q.2 The number of atoms in 0.004 g of magnesium will be
 A. 6.022×10^{23}
 B. 2×10^{20}
 C. 10^{20}
 D. 4×10^{20}
- Q.3 What is the mass of oxygen required to burn 14 g C_2H_4 completely.
 A. 36 g
 B. 42 g
 C. 48 g
 D. 64 g
- Q.4 Number of moles of sodium oxide in 620 g is
 A. 1
 B. 10
 C. 100
 D. 62
- Q.5 The empirical formula of an organic compound is CHO. The probable molecular formula of organic compound is
 A. $C_6H_{12}O_6$
 B. CH_2O_2
 C. $C_2H_2O_2$
 D. None of these
- Q.6 A compound contains 28% nitrogen and 72% of metal by weight, then the empirical formula of the compound is
 A. AlN
 B. Mg_3N_2
 C. Mg_2N_3
 D. Na_3N
- Q.7 When 61.25 g of $KClO_3$ is heated, it decomposes to potassium chloride and oxygen. What is the percent yield, if 18g of oxygen (O_2) is produced?
 $2KClO_3 \longrightarrow 2KCl + 3O_2$
 A. 60
 B. 75
 C. 87
 D. 90
- Q.8 1g of unknown gas has volume of $11.2dm^3$ at STP. Unknown gas is
 A. CO_2
 B. CH_4
 C. HCl
 D. H_2
- Q.9 From following equation, which relationship can be studied
 $2H_2 + O_2 \longrightarrow 2H_2O$
 A. Mass-volume
 B. Mole-mass
 C. Mass -mole
 D. All relationship can be studied
- Q.10 Theoretical yield is always less than actual yield because
 A. Some product is lost in experiment
 B. Reversible reaction may occur
 C. Errors are made in weighing the reactants or products
 D. The given statement is not correct
- Q.11 The molar volume of SO_2 at RTP ($25^\circ C$ and 1atm) is
 A. $24dm^3$
 B. $22.4dm^3$
 C. $22.4cm^3$
 D. $100dm^3$
- Q.12 The Avogadro's constant is the number of
 A. Atoms in 1g of He
 B. Molecules in 35.5g of chlorine gas
 C. Electrons needed to deposit 24g of Mg
 D. Atoms in 24g of Mg
- Q.13 The relative atomic mass of Chlorine is 35.5 amu. What is relative molecular mass of chlorine gas
 A. 40 amu
 B. 71 amu
 C. 142 amu
 D. 35.5 amu



- Q.14 When 1 mole of each of the following is completely burnt in oxygen. Which will give largest mass of CO_2
- A. Benzene
B. Diamond
C. Ethane
D. Methane
- Q.15 18 g of glucose is dissolved in water. Calculate the total number of O atoms present in glucose
- A. $0.6 N_A$
B. $2.2 N_A$
C. $1.2 N_A$
D. $1.1 N_A$
- Q.16 Mass of 1.505×10^{23} molecules of NH_3 is
- A. 17g
B. 8.5g
C. 34g
D. 4.25g
- Q.17 Which has maximum number of molecules
- A. 7g of N_2
B. 16g of O_2
C. 2 g of H_2
D. 32 g of SO_2
- Q.18 Mole may include _____ of the substance expressed in grams
- A. Atomic mass
B. Molecular mass
C. Formula mass
D. All of these
- Q.19 Stoichiometric calculations are made when
- A. Reaction is irreversible
B. No side reaction occurs
C. Law of conservation of mass and law of definite proportion are obeyed
D. All of these
- Q.20 Number of neutrons in 16g of methane are
- A. N_A
B. $6 N_A$
C. $10 N_A$
D. $3 N_A$
- Q.21 Yield which reflects the efficiency of a reaction
- A. Actual yield
B. Theoretical yield
C. %age yield
D. None of these
- Q.22 Mass of four magnesium atoms will be
- A. 24 amu
B. 48 amu
C. 96 amu
D. 60 g
- Q.23 The value of 'n' in determining molecular formula is obtained from the relation
- A. $\frac{\text{molecular formula mass}}{\text{Empirical formula mass}}$
B. $\frac{\text{Empirical formula mass}}{\text{Molecular formula mass}}$
C. $\frac{\text{Molecular formula mass}}{\text{Empirical formula mass}} \times 100$
D. $\frac{\text{Empirical formula mass}}{\text{molecular formula mass}} \times 100$
- Q.24 An atom of carbon is twelve times heavier than _____ atom
- A. H
B. He
C. Ne
D. Li
- Q.25 What is the ratio of volume of 2g of hydrogen and 16g of methane at STP
- A. 1:8
B. 1:2
C. 1:1
D. 2:1
- Q.26 How many moles of H^+ ions are produced when 0.5 mole of H_3PO_4 is 100% ionized
- A. 0.25 moles
B. 0.75 moles
C. 1.50 moles
D. 0.50 moles
- Q.27 18.02g of H_2O sample has
- A. $0.2 N_A$ H-atoms
B. $0.1 N_A$ O-atoms
C. 6.02×10^{23} moles of H_2O
D. 6.02×10^{23} molecules of H_2O
- Q.28 Which of the following sample contain maximum number of atoms?
- A. 4g of H_2
B. 28g of N_2
C. 22.4 dm^3 of CO_2 at STP
D. 1.5 mole of O_2
- Q.29 0.1 mole of Na_3PO_4 completely dissociates in water to produce Na^+
- A. 6.02×10^{22}
B. 6.02×10^{23}
C. 1.806×10^{23}
D. 1.86×10^{22}
- Q.30 Which of the following gas sample occupies highest volume
- A. 1g of H_2
B. 16 g of O_2
C. 7 g of N_2
D. 44 g of CO_2



- Q.31 How many moles of oxygen(O_2) are required for complete combustion of two moles of propane (C_3H_8)?
A. 2
B. 4
C. 10
D. 6
- Q.32 20.18 amu is the _____ of Ne
A. Average atomic mass
B. Relative atomic mass
C. Fractional atomic mass
D. All of these
- Q.33 12 g of carbon reacts with 16g of Oxygen gas to produce CO_2 identify the limiting reactant
A. O_2
B. C
C. CO
D. CO_2
- Q.34 Empirical formula of organic compound is CH_2O and molecular mass is 60g/mol. What is molecular formula
A. $C_6H_{12}O_6$
B. $C_2H_6O_2$
C. $C_2H_4O_2$
D. $C_3H_6O_3$
- Q.35 The term gram atom can be used for
A. 16 g of O_2
B. 96 g of SO_4^{2-}
C. 58.5g of NaCl
D. 4 g of He
- Q.36 The largest number of atoms is present in
A. 3.6g of H_2O
B. 4.6g of C_2H_5OH
C. 2.8g of CO
D. 5.4g N_2O_5
- Q.37 Mass of one carbon atom is
A. 12amu
B. $12/N_A$
C. 2×10^{-23} g
D. All of these
- Q.38 Mass of one mole of heavy water is
A. 20amu
B. 20g
C. 12g
D. 18g
- Q.39 1 amu is equal to
A. 1.661×10^{-24} kg
B. 1.661×10^{-27} g
C. 1.661×10^{27} kg
D. 1.661×10^{-21} mg
- Q.40 Number of moles of NO_2 which contains 24g of oxygen gas
A. 0.25
B. 0.33
C. 0.75
D. 1.5
- Q.41 1.8g of water contains _____ atoms of hydrogen
A. 6.022×10^{22}
B. $2 \times 6.022 \times 10^{23}$
C. $2 \times 6.02 \times 10^{22}$
D. $4 \times 6.22 \times 10^{22}$
- Q.42 17g of Hydroxyl ion have same number of proton as in
A. 19 g of F
B. 24g of Mg
C. 14g of N_2
D. 6 g of C
- Q.43 42g of N_2 react with excess of O_2 to produce NO. The amount of NO formed is
A. 60g
B. 32g
C. 45g
D. 90g
- Q.44 According to equation
 $4NH_3 + 5O_2 \longrightarrow 4NO + 6H_2O$
1mole of NH_3 reacts with how much mass of oxygen
A. 32 g
B. 40 g
C. 48 g
D. 80 g
- Q.45 Number of moles of N_2O which contain 14 g of nitrogen
A. 1
B. 4
C. 0.5
D. 2



- Q.46 1 a.m.u is approximately equal to
 A. Mass of proton
 B. Reciprocal of N_A
 C. 1.661×10^{-24} g
 D. All of these
- Q.47 Identify the element whose percentage cannot be measured by combustion analysis
 A. C
 B. O
 C. H
 D. S
- Q.48 Calculate the number of K^+ ion produced by dissolving 149 g KCl in water
 A. $3N_A$
 B. N_A
 C. $2N_A$
 D. $4N_A$
- Q.49 Avogadro's number is the number of atoms present in
 A. 1g-molecule
 B. 1g-atom
 C. 1dm^3 molecule
 D. 1g-ion
- Q.50 Mg metal reacts with HCl to give hydrogen gas. What is minimum weight of HCl required to produce 4 g of H_2 ($Mg + 2HCl \longrightarrow MgCl_2 + H_2$)
 A. 292 g
 B. 219 g
 C. 48 g
 D. 146 g
- Q.51 What is the mass of 1.5 moles of ozone(O_3)
 A. 24g
 B. 72 g
 C. 48 g
 D. 16 g
- Q.52 Mass of NH_3 would be formed if 11.2 dm^3 of N_2 gas react with excess of H_2 according to following equation
 $N_2 + 3H_2 \longrightarrow 2NH_3$
 A. 34 g
 B. 17 g
 C. 8.5 g
 D. 51 g
- Q.53 Which of followings contains the maximum number of atoms
 A. 1g of oxygen atom
 B. 1g of ozone gas
 C. 1g of oxygen gas
 D. All contain same number of atoms
- Q.54 Empirical formula of a hydrocarbon having 80% C and 20% of hydrogen is
 A. CH
 B. CH_3
 C. CH_2
 D. CH_4
- Q.55 Which among the following is heaviest?
 A. 44g of CO_2
 B. one molecule of SO_3
 C. 100 a.m.u of Uranium
 D. one mole of O_2
- Q.56 Which of the following is used as a absorber for CO_2 gas in combustion analysis?
 A. 50% KOH
 B. Al_2O_3
 C. $Mg(ClO_4)_2$
 D. SiO_2
- Q.57 A sample of $CaCO_3$ has Ca = 40% C = 12% and O = 48%. If the law of constant proportions is true, then the mass of Ca in 5g of $CaCO_3$ will be
 A. 2.00 g
 B. 0.20 g
 C. 0.02 g
 D. 20.00g
- Q.58 One mole each of NO_2 and CO_2 has same number of
 A. Molecules
 B. Electrons
 C. Protons
 D. Neutrons
- Q.59 The number of atoms in 16g Ozone is approximately
 A. 1×10^{23}
 B. 2×10^{23}
 C. 4×10^{23}
 D. 6×10^{23}
- Q.60 Which statement about one mole of metal is always correct?
 A. It has the same mass as 1 mole of hydrogen atoms
 B. It contains the same number of atoms as 1/12 mole of C-12
 C. It contains the same number of atoms as 1 mole of hydrogen atoms
 D. It contains same number of atoms as 22.4dm^3 of H_2



	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D
1	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	16	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	31	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	46	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
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3	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	18	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	33	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	48	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
4	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	19	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	34	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	49	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	20	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	35	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	50	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
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11	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	26	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	41	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	56	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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15	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	30	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	45	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	60	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

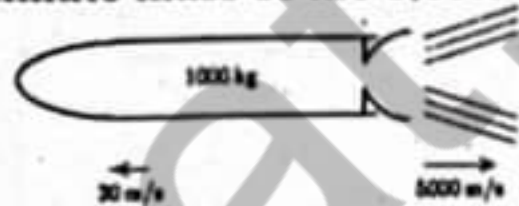
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UNIT-1 (A+ SERIES)

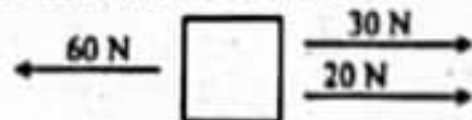
TOPICS:

✓ **Force and Motion**

- Q. 1** A duck flies 60 meters in 10 seconds. What is the duck's speed?
 A. 6 m/s B. 50 m/s
 C. 600 m/s D. 70 m/s
- Q. 2** What unit do scientists use to measure force?
 A. grams B. meter per second per second
 C. meters D. newton
- Q. 3** A force of 50 dynes is acted on a body of mass 5g which is at rest for an interval of 3s, then impulse is:
 A. 0.15×10^{-13} Ns B. 0.98×10^{-3} Ns
 C. 1.5×10^{-3} Ns D. 2.5×10^{-3} Ns
- Q. 4** A person is moving on a rough horizontal surface towards east. Then the direction of friction force is towards.
 A. West B. East
 C. North D. Can say depends on the situation
- Q. 5** In which of the following cases the net force is not equal to zero?
 A. A kite skillfully held stationary in the sky B. A ball falling freely from a height
 C. A helicopter hovering above the ground D. A cork floating on the surface of water
- Q. 6** If a body is thrown vertically upward and rises to a height of 10m, then time taken by the body to reach the highest point is
 A. 1.043 s B. 1.43 s C. 1.024 s D. None of these
- Q. 7** A 1000-kg space probe is motionless in space. To start moving, its main engine is fired for 5 s during which time it ejects exhaust gases at 5000 m/s. At the end of this process it is moving at 20 m/s. The approximate mass of the ejected gas is:



- A. 0.8 kg B. 5 kg
 C. 4 kg D. 20 kg
- Q. 8** From the top of a tower, two stones whose masses are in the ratio 1:2 are thrown, one straight up with an initial speed u and the second straight down with same speed u .
 A. The heavier stone hits the ground with a higher speed
 B. The lighter stone hits the ground with a higher speed
 C. Both the stones will have same speed when they hit the ground
 D. The speed cannot be determined with the given data
- Q. 9** If you throw a ball downward, then its acceleration immediately after leaving your hand, assuming no air resistance, is
 A. 9.8 m/s^2 B. More than 9.8 m/s^2
 C. Less than 9.8 m/s^2 D. Speed of throw is required for answer
- Q. 10** A ball with original momentum $+4.0 \text{ kgm/s}$ hits a wall and bounces straight back without losing any kinetic energy. The change in momentum of the ball is:
 A. $+4\text{Ns}$ B. -4Ns C. $+8\text{Ns}^2$ D. -8Ns
- Q. 11** If the time of flight of a projectile is doubled, what happens to the maximum height attained?
 A. Halved B. Remains unchanged
 C. Doubled D. Becomes four times
- Q. 12** A body moves from point P to point Q with a speed of 6ms^{-1} along a straight line then from Q to P with a speed of 4ms^{-1} . What is its average speed over the entire trip?
 A. 4 ms^{-1} B. 4.8 ms^{-1}
 C. 5 ms^{-1} D. 5.5 ms^{-1}
- Q. 13** What is the net force on the box shown below?



- A. 10 N to the right B. 10 N to the left
 C. 60 N to the left D. 50 N to the right
- Q. 14** Newton's third law of motion explains the two forces namely 'action' and 'reaction' coming into action when the two bodies are in contact with each other. These two forces:
 A. Always act on the different bodies in opposite directions
 B. Have same magnitude and direction
 C. Always act on the same body
 D. Acts on either body at normal to each other

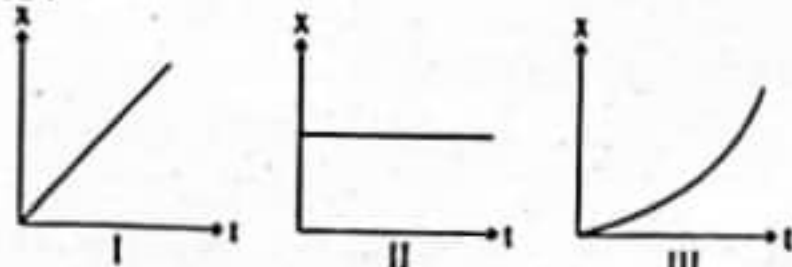
Q. 30
 B. A
 C. A
 D. Acc
 PHYSICS MDC



- Q. 15 The ratio of magnitudes of average velocity to average speed of a moving body in a straight line
- A. Always less than one
B. Always equal to one
C. Always more than one
D. Equal to or more than one

- Q. 16 No body begin to move or comes to rest itself is statement of
- A. Newton
B. Abu Ali Sena
C. Maxwell
D. Planck's

- Q. 17 Three objects can only move along a straight, level path. The graphs below show the position x of each of the objects plotted as a function of time t . The net force on the object is zero in which of the cases?



- A. II only
B. III only
C. I and III only
D. I and II only
- Q. 18 What is the path of a projectile?
- A. A hyperbola
B. A parabola
C. A wavy line
D. Projectiles do not follow a predictable path
- Q. 19 An object is accelerating
- A. Only when its speed changes
B. When its speed or direction changes
C. Only when its direction changes
D. If its velocity is large.
- Q. 20 At the height 80 m, an aeroplane is moving with 150 m/s. A bomb is dropped from it so as to hit a target. At what distance from the target should the bomb be dropped
- A. 650 m
B. 600 m
C. 230 m
D. 80 m
- Q. 21 A body is thrown with the velocity $(4i + 3j)$ m/s. Its maximum height is ($g=10\text{m/s}^2$)
- A. 2.5m
B. 0.45m
C. 0.9m
D. 0.8m

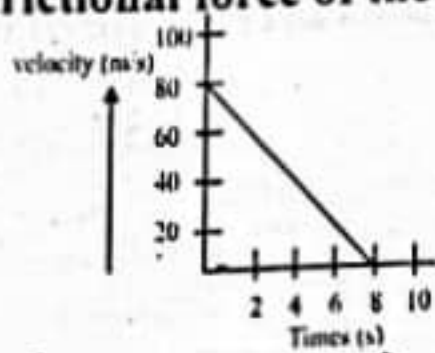
- Q. 22 Time rate of change of position vector is called
- A. Displacement
B. Velocity
C. Acceleration
D. Momentum
- Q. 23 The magnitude of acceleration produced in an object is inversely proportional with (keeping force constant)
- A. Momentum
B. Mass
C. Velocity
D. Force

- Q. 24 If distance covered is zero. The displacement
- A. Must be zero
B. May or may not be zero
C. Cannot be zero
D. Depend upon body
- Q. 25 In doubling the mass and acceleration of the mass, the force acting on the mass with respect to the previous value
- A. Decreases to half
B. Remains unchanged
C. Increases two times
D. Increases four times

- Q. 26 Inertia of a body has direct dependence on
- A. Velocity
B. Volume
C. Mass
D. Density
- Q. 27 At which point for a projectile its kinetic energy is completely converted into potential energy
- A. At point of projection
B. Point to hit the ground
C. At the highest point
D. Not possible

- Q. 28 A train takes 1 hour to go from one station to the other. It travels at a speed of 30 kmh^{-1} for first half hour and at a speed of 50 kmh^{-1} for the next half hour. The average speed of the train is:
- A. 45 kmh^{-1}
B. 35 kmh^{-1}
C. 40 kmh^{-1}
D. 30 kmh^{-1}

- Q. 29 Velocity versus time graph of a ball of mass 50 g rolling on a concrete floor is shown in the figure below. What will be the frictional force of the floor on the ball?



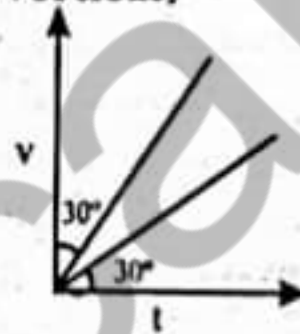
- A. 500 N
B. 50 N
C. 0.5 N
D. 0.05 N

In straight line motion the

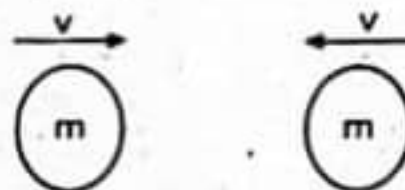
- Acceleration is parallel (or antiparallel) to the velocity
Acceleration is perpendicular to the velocity
Acceleration is vertical, while the velocity can be in any direction
Acceleration is vertical and the velocity is horizontal



- Q. 31 Time of flight of projectile is
 A. $\frac{v_i \sin \theta}{g}$ B. $\frac{v_i^2 \sin \theta}{g}$ C. $\frac{2v_i \sin^2 \theta}{g}$ D. $\frac{2v_i \sin \theta}{g}$
- Q. 32 The Potential energy gained by projectile when it reaches at max height is
 A. $K.E_i \cos^2 \theta$ B. $K.E_i \tan \theta$
 C. $K.E_i \sin^2 \theta$ D. 0
- Q. 33 A body is thrown horizontally from top of tower of 5m. It touches ground at a distance of 10m from foot of ground. Initial velocity of body is
 A. 2.5 ms^{-1} B. 5 ms^{-1}
 C. 10 ms^{-1} D. 20 ms^{-1}
- Q. 34 Acceleration of moving car when brakes are applied
 A. Positive B. Negative
 C. Zero D. None of these
- Q. 35 Recoiling of a cannon after firing a shot is an example of
 A. Newton's First Law B. Newton's Second Law
 C. Newton's Third Law D. Newton's Law of Gravitation
- Q. 36 What will happen if the body at rest is made to move in a straight line and obstructed by an opposite force?
 A. The body slows down
 B. The body changes direction
 C. The body will continue to move in the same direction with the same speed
 D. All of the above
- Q. 37 A particle of mass m moving with velocity v strikes a stationary particle of mass $2m$ and sticks to it. The speed of the system will be
 A. $v/2$ B. $2v$
 C. $v/3$ D. $3v$
- Q. 38 v-t graph is shown. Ratio of acceleration a_1/a_2 is (graph 1 makes angle 30° with horizontal and graph 2 makes angle 30° with vertical)



- A. 3:1 B. $1:\sqrt{3}$ C. 1:3 D. $\sqrt{3}:1$
- Q. 39 In which situation, distance is three times than its displacement?
 A. Object moves and come back to its initial position
 B. Object moves 20 m towards east and 10 m towards west
 C. Object moves 20 m towards east and 10 m towards south
 D. Object moves 20 m towards north and 10 m towards west
- Q. 40 If a projectile is launched with 3m/s velocity at 60° -degree angle then at highest point its horizontal velocity is
 A. 3 m/s B. 2m/s C. 1.5 m/s D. 1.8 m/s
- Q. 41 The net force acting in an inertial frame is
 A. Positive B. Negative
 C. Zero D. None of these
- Q. 42 Two similar spheres, each of mass m and travelling with speed v , are moving towards each other.



The spheres have a head on elastic collision. Which statement is correct?

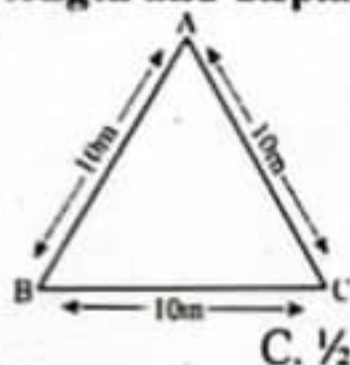
- A. The spheres stick together on impact
 B. The total kinetic energy before impact is zero
 C. The total kinetic energy after impact is mv^2
 D. The total momentum before impact is $2mv$
- Q. 43 A bullet fired from rifle horizontally have acceleration values

	x	y
A.	9.8 ms^{-2}	9.8 ms^{-2}
B.	0	9.8 ms^{-2}
C.	9.8 ms^{-2}	0 ms^{-2}
D.	0	0

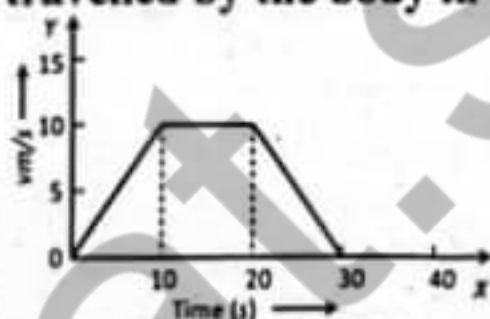
- Q. 44 If we drop an object initially at rest. How far it will fall in time t .
 A. $0.49 t^2$ B. $98 t^2$
 C. $9.8 t^2$ D. $4.9 t^2$



- Q. 45 The slope of distance – time graph will always be:
A. Negative
B. Positive
C. Zero
D. Maximum
- Q. 46 The coefficient of restitution for a perfectly inelastic collision is
A. 1
B. 0
C. ∞
D. -1
- Q. 47 Pseudo forces arises in
A. Inertial frame
B. Constant moving frame
C. Rest frame of reference
D. Accelerating frame of reference
- Q. 48 An object moves 20 m in 5 sec. What is the gradient of the displacement-time graph?
A. 25
B. 15
C. 4
D. $\frac{1}{4}$
- Q. 49 A particle moves from A to B and then it moves from B to C as shown in figure. Calculate the ratio between path length and displacement.



- A. 2
B. 1
C. $\frac{1}{2}$
D. Infinity
- Q. 50 In an explosion a body breaks up into two pieces of unequal masses. In this
A. Both parts will have numerically equal momentum
B. Lighter part will have more momentum
C. Heavier part will have more momentum
D. Both parts will have equal kinetic energy
- Q. 51 In the following graph, distance travelled by the body in metres is



- A. 200
B. 300
C. 250
D. 400
- Q. 52 A same force is applied on different masses m_1 and m_2 moving with acceleration a_1 and a_2 identify the correct relation.
A. $m_1 a_1 = m_2 a_2$
B. $m_2 a_1 = m_1 a_2$
C. $m_1 a_2 = m_1 a_1$
D. $\frac{m_1}{m_2} a_1 = 1$
- Q. 53 A particle moves from (2, 3) m to (4, 1) m. The magnitude of displacement is
A. 2 m
B. $2\sqrt{3}$ m
C. $2\sqrt{2}$ m
D. 1m
- Q. 54 A person goes to Islamabad at a velocity of 60km/h. He returns back at a velocity of 70km/h. What will be his average velocity?
A. 65 km/h
B. 60km/h
C. 70km/h
D. Zero
- Q. 55 Two bodies are moving in opposite directions with velocity v . The relative velocity of one with respect to the other is
A. $3v$
B. $2v$
C. v
D. Zero
- Q. 56 A body with constant speed can still be accelerating. This statement is:
A. True
B. False
C. Depends on the frame of reference
D. None of these
- Q. 57 The ratio of the distances covered by an object allowed to fall freely in 1st, 2nd and 3rd seconds
A. 1 : 3 : 5
B. 1 : 4 : 9
C. 1 : 25 : 45
D. 1 : 20 : 45
- Q. 58 Single force does not exist, is the result of which law of motion
A. 1st law
B. 2nd law
C. 3rd law
D. All of these
- Q. 59 If force of 2.5 N changes the velocity from 50ms^{-1} to 100ms^{-1} in time 50s, the mass of the body?
A. 5 kg
B. 2.5 kg
C. 1 kg
D. 10 kg
- Q. 60 A neutron collides with a stationary proton at rest. After collision
A. Proton moves with velocity double to that of neutron
B. Neutron comes to rest and proton moves with same velocity as that of neutron
C. Proton moves with double velocity in opposite direction
D. None of these

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D
1	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	16	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	31	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	46	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	17	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	32	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	47	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
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ENGLISH MDCAT

TEST-1 (A+ SERIES)

TOPICS:

TENSES, FORMS OF VERB, AND THE GRAMMAR OF VERB

Directions:

Fill in the blank

- Q.1 I can't help _____ angry about it.
A. to feel B. feel C. felt D. feeling
- Q.2 Would you mind _____ the door?
A. to open B. open C. opening D. opens
- Q.3 It's the fifth time you _____ me.
A. have called B. call C. called D. will call
- Q.4 The meeting is the first since the war _____ 14 years ago.
A. begin B. began C. begun D. begins
- Q.5 I would have helped him if he _____ to me.
A. could have come B. comes C. will come D. had come
- Q.6 They _____ college in time.
A. does not reach B. could not reached C. did not reached D. do not reach
- Q.7 He _____ to college every day at 8:00 o'clock.
A. goes B. will go C. has gone D. had gone
- Q.8 I am not used to _____ up so early in the morning.
A. waking B. wake C. be waking D. woke
- Q.9 We'd better _____ now, or we'll miss the bus.
A. left B. leave C. to leave D. leaving
- Q.10 Did you ever see better alfalfa _____ out of the earth?
A. grow B. grew C. to grow D. to growing
- Q.11 For heaven's sake, Cora, let's _____ tickets for home!
A. to buy B. buy C. bought D. buying
- Q.12 Only Mr. Steward's name and telephone number _____ on the card.
A. were printing B. printed C. have been printing D. were printed
- Q.13 Mr. Manana, the harness man saw you _____ the pocket book.
A. picked up B. picks up C. to pick up D. pick up
- Q.14 While she was stacking dishes, she _____ abruptly.
A. turned B. turns C. had turned D. was turning
- Q.15 When you get this message I _____ for Multan.
A. have left B. shall have left C. had left D. would have left

Directions:

Spot the Error

- Q.16 It is absolutely (A) essential that the culture plates must be (B) extremely clean (C) since the slightest contamination can ruin (D) the end result.
A. absolutely B. must be C. clean D. ruin
- Q.17 It laid (A) with them, a third unbidden (B) partner at every midnight talk, (C) at every dawn awakening. (D)
A. laid B. unbidden C. talk D. awakening
- Q.18 Whenever (A) these clothes came, (B) a tailoring shop (C) would sprang up (D) in Maulvi Abul's house.
A. Whenever B. came C. a tailoring shop D. sprang up
- Q.19 The men around her laughed and acted (A) as though (B) it is (C) the cleverest thing they had seen. (D)
A. acted B. as though C. is D. had seen
- Q.20 You will not make (A) me to believe (B) that Mr. Manana, who is a man of worthy credence (C), mistook (D) the cord for a pocket book.
A. will not make B. to believe C. worthy credence D. mistook
- Q.21 You were seen (A) this morning (B) picking up (C) the pocket-book lost by Mr. James. (D)
A. were seen B. this morning C. picking up D. lost by Mr. James
- Q.22 The man felt (A) his hair flutter (B) and the tissues of his body drew (C) tight as if he were standing (D) at the center of a vacuum.
A. The man felt B. his hair flutter C. his body drew D. were standing
- Q.23 Here lays (A) the man who (B) could not prove (C) his innocence, but the flood proved (D) it!
A. Here lays B. who C. could not prove D. proved
- Q.24 Hardly had he reached (A) half way across the road (B) when a truck full of bricks (C) had come (D) from behind.
A. had he reached B. across the road C. full of bricks D. had come
- Q.25 You have past (A) the age when (B) people get (C) these horrible diseases. (D)
A. have past B. when C. get D. horrible diseases



Directions:

Choose the correct option

- Q.26 A. Old Smith had had his crops ate to the ground. B. Old Smith had had his crops to eat to the ground.
C. Old Smith had had his crops eat to the ground. D. Old Smith had had his crops eaten to the ground.
- Q.27 A. I'd rather he hadn't known I was around. B. I'd rather he won't know I were around.
C. I'd rather he didn't know I was around. D. I'd rather he wouldn't know I was around.
- Q.28 A. Pay for the salt lest the village was ruined. B. Pay for the salt lest the village be ruined.
C. Pay for the salt lest the village not be ruined. D. Pay for the salt lest the village would be ruined.
- Q.29 A. He made me to write the sum on a slip and to sign my name in a book.
B. He made me writing the sum on a slip and signing my name in a book.
C. He made me written the sum on a slip and signed my name in a book.
D. He made me write the sum on a slip and sign my name in a book.
- Q.30 A. Norma pushed the button in the absence of her husband and got him killed in an accident.
B. Norma pushed the button in the absence of her husband and got him to kill in an accident.
C. Norma pushed the button in the absence of her husband and got him kill in an accident.
D. Norma pushed the button in the absence of her husband and got him be killed in an accident.
- Q.31 A. While she was stacking dishes, she was turning abruptly.
B. While she was stacking dishes, she turned abruptly.
C. While she had stacked dishes, she had turned abruptly.
D. While she stacked dishes, she was turning abruptly.
- Q.32 A. It's like the land your mother and I used to farming here.
B. It's like the land your mother and I used to farmed here.
C. It's like the land your mother and I used to farm here.
D. It's like the land your mother and I was used to farm here.
- Q.33 A. Jess's father let the dirt to run between his fingers.
B. Jess's father let the dirt ran between his fingers.
C. Jess's father let the dirt running between his fingers.
D. Jess's father let the dirt run between his fingers.
- Q.34 A. You wouldn't have to watch them die. B. You wouldn't have to watch them to die.
C. You wouldn't have to watch them died. D. You wouldn't have to watching them dying.
- Q.35 A. She pulled the sides apart, had cutting her fingers without notice.
B. She pulled the sides apart, cutting her fingers without noticing.
C. She pulled the sides apart, cutting her fingers without noticed.
D. She pulled the sides apart, cutting her fingers without be notice.
- Q.36 A. Norma could not resist call Mr. Steward. B. Norma could not resist to call Mr. Steward.
C. Norma could not resist calling Mr. Steward. D. Norma could not resist called Mr. Steward.
- Q.37 A. The one thing I always prided on was my ability to control my anger.
B. The one thing I always prided mine was my ability to control my anger.
C. The one thing I always prided me on was my ability to control my anger.
D. The one thing I always prided myself on was my ability to control my anger.
- Q.38 A. You needn't make sandwiches. There is a café. B. You needn't to make sandwiches. There is a café.
C. You needn't to making sandwiches. There is a café. D. You needn't made sandwiches. There is a café.
- Q.39 A. She insists that he comes to the party. B. She insists that he come to the party.
C. She insists that he will come to the party. D. She insists that he came to the party.
- Q.40 A. She said that it was my last chance to trying my luck.
B. She said that it was my last chance to tried my luck.
C. She said that it was my last chance for try my luck.
D. She said that it was my last chance to try my luck.

English



KIPS
PREPARATIONS

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D
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2	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	17	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	32	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	47	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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4	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	19	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	34	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	49	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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12	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	27	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	42	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	57	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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LOGICAL REASONING MDCAT

UNIT-1 (A+SERIES)

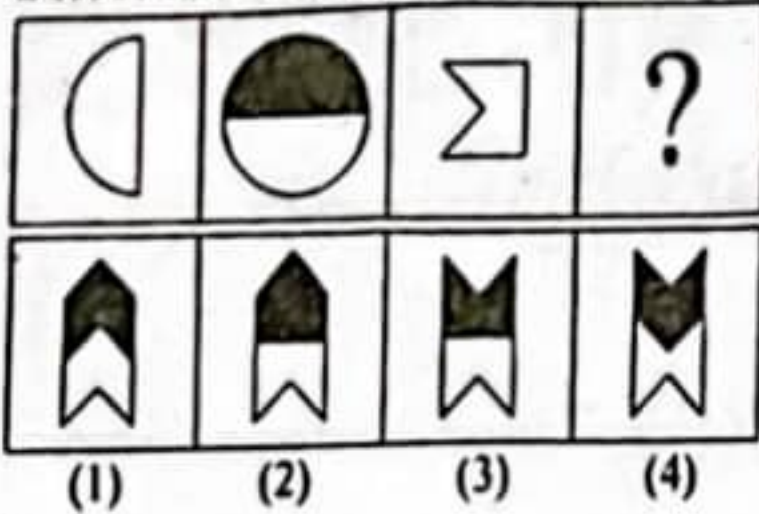
TOPIC:

✓ LETTERS AND SYMBOL SERIES

- Q.1** Find out the wrong term 8, 14, 26, 48, 98, 194, 386
A. 194 B. 98
C. 14 D. 48
- Q.2** 8, 24, 12, 36, 18, 54, ?
A. 27 B. 68
C. 72 D. 108
- Q.3** 2, 10, 30, 68, 130, ?
A. 150 B. 216
C. 222 D. 145
- Q.4** CX FU IR ? OL RI
A. LO B. MN
C. NO D. OR
- Q.5** Flower : Butterfly :: Dirt : ?
A. Rats B. Fly
C. Bugs D. Sweeper
- Q.6** 0, 2, 6, ?, 20, 30, 42
A. 8 B. 10
C. 12 D. 14
- Q.7** 3, 10, 20, 33, 49, 68, ?
A. 75 B. 85
C. 90 D. 91
- Q.8** If GIVE is coded as 5137 and BAT is coded as 924, how is GATE coded?
A. 5427 B. 5724
C. 5247 D. 2547
- Q.9** P3C, R5F, T8I, V12L, ?
A. Y17O B. X17M
C. X17O D. None of these
- Q.10** If PLANE is coded as OKZMD in a certain language, how will TRAIN be coded?
A. SQZHM B. UQBHO
C. SQZJM D. USBJM
- Q.11** Calendar: Dates :: Dictionary : ?
A. Vocabulary B. Language
C. Words D. Book
- Q.12** 71, 76, 69, 74, 67, 72, ?
A. 65 B. 76
C. 77 D. 80

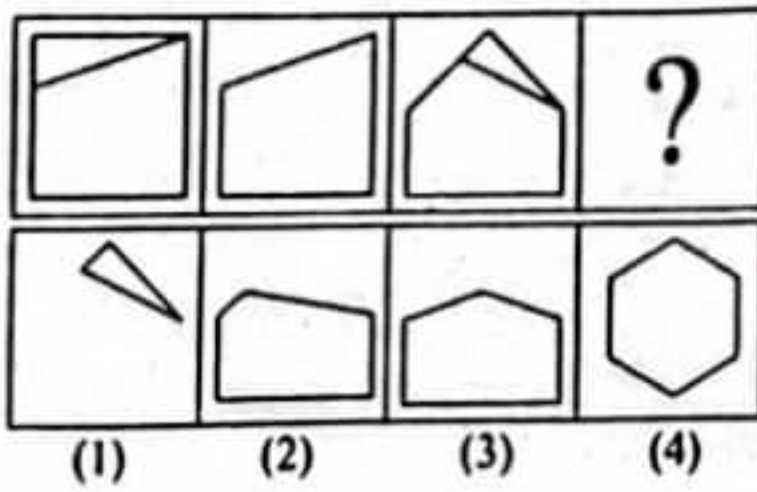


Q.13 Select the correct pattern



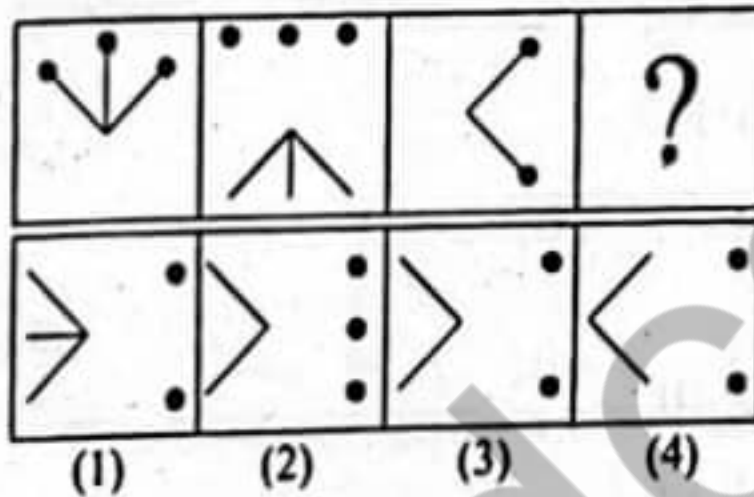
- A. 1
C. 3
B. 2
D. 4

Q.14 Select the correct pattern



- A. 1
C. 3
B. 2
D. 4

Q.15 Select the correct pattern



- A. 1
C. 3
B. 2
D. 4

Q.16 Choose out the odd one.

- A. Sparrow
C. Birds
B. Crow
D. Eagle

Q.17 Choose out the odd one.

- A. Bowl
C. Cup
B. Spoon
D. Bouquet

Q.18 Country cannot exist without

- A. Corruption
C. Democracy
B. Poverty
D. Law and Order

Q.19 If + stands for division, - stands for addition, × stands for subtraction and ÷ stands for multiplication then $8 \div 4 - 6 + 3 \times 4 = ?$

- A. 8
C. 13
B. 30
D. 46

Q.20 Water : Oxygen

- A. Helium : Nitrogen
C. Tree : Plant
B. Salt : Sodium
D. Food : Hunger



MDCAT Study Buddy

Group · 2000 participants



Group call



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