CHEMISTRY >> Chemical Bonding

1. The formation of coordination complex compounds formed by transition metals is explained by:
A. Ligand field theory
B. crystal field theory
C. molecular orbital theory
D. both A \& B

HEMISTRY >> Alcohol and Phenols
2. Methanol is also called as
A. liquor
B. grain alcohol
C. wood spirit
D. fuel

CHEMISTRY >> Chemistry of Hydrocarbons
3. How many products of mono-substituted benzene are possible?
A. Two
B. One
C. Three
D. None of these

CHEMISTRY >> Transition Elements
4. During bond formation d orbitals splits into ___ of orbitals ?
A. 3 sets
B. 4 sets
C. 5 sets
D. 2 sets

CHEMISTRY >> Chemical Equilibrium
5. Manufacturing of Ammonia by Haber's process is an
A. endothermic reaction
B. exothermic reaction
C. irreversible
D. Slow

CHEMISTRY >> Reaction Kinetics
6. In the rate equation $R=k[A]^{\wedge} a[B]^{\wedge} b, a$ and $b$ as exponents decides
A. Direction of reaction
B. Extent of Reaction
C. Order of Reaction
D. Temperature of Reaction

CHEMISTRY >> Thermochemistry and Energetic of Chemical Reactions
7. Exothermic Reactions heat is
A. Taken in
B. Give out to surroundings
C. Neither given nor lost
D. None of these

CHEMISTRY >> $S$ and $P$ Block elements
8. Which one is natron?
A. Na 2 CO 3
B. Na 2 CO 3.1 H 2 O
C. $\mathrm{Na} 2 \mathrm{CO} 3 . \mathrm{H} 2 \mathrm{O}$
D. NaHCO 3

CHEMISTRY >> Carboxylic Acids
9. Which of the following method is used to prepare acetic acid?
A. Distillation
B. Fermentation
C. Dehydration
D. Ozonolysis

CHEMISTRY >> Macromolecules
10. After digestion proteins change into:
A. Amino acids
B. Starch
C. Glycogen
D. Lipids

CHEMISTRY >> Thermochemistry and Energetic of Chemical Reactions
11. The total energy of products in a chemical reaction is:
A. equal to reactants
B. More than reactants
C. always zero
D. Less Than Reactants

CHEMISTRY >> $S$ and $P$ Block elements
12. Which one can form complex?
A. Na
B. Cr
C. Li
D. $K$

CHEMISTRY $\gg$ Gases
13. On earth, plasma occurs in few limited places like
A. auroras'
B. flames
C. bolts
D. all of these

CHEMISTRY >> Alkyl Halides
14. Alkyl halide react with Sodium lead alloy, which of the following is correct formula of tetramethyl lead?
A. $\left(\mathrm{C}_{2} \mathrm{H}_{5}\right)_{4} \mathrm{~Pb}$
B. $\left(\mathrm{CH}_{3}\right)_{4} \mathrm{~Pb}$
C. $\left(\mathrm{CH}_{4}\right)_{4} \mathrm{~Pb}$
D. $\left(\mathrm{CH}_{3}\right)_{4} \mathrm{Pd}$

CHEMISTRY >> Carboxylic Acids
15. Carboxylic acid reduction to alcohol can be achieved by using?
A. $\mathrm{H}_{2} / \mathrm{Ni}$
B. $\mathrm{Pd} / \mathrm{C}$
C. $\mathrm{NaBH}_{4}$
D. $\mathrm{LiAlH}_{4}$

CHEMISTRY >> Carboxylic Acids
16. Which of the following can not be prepared directly from acetic acid?
A. Ethyl acetate
B. Acetamide
C. Acetyl Halide
D. Acetic anhydride

CHEMISTRY >> Reaction Kinetics
17. The half-life of Uranium is:
A. 700 Million years
B. 706 Million years
C. 89 days
D. 710 million year

CHEMISTRY >> Fundamental Principles of Organic Chemistry
18. Which of the following compound is an amide?
A. $\mathrm{NH}_{4} \mathrm{CNO}$
B. $\mathrm{NH}_{2} \mathrm{COCH}_{3}$
C. $\mathrm{NH}_{2} \mathrm{CONH}_{2}$
D. $\mathrm{NH}_{2} \mathrm{COONH}_{2}$

CHEMISTRY $\gg$ Alcohol and Phenols
19. Phenol gives electrophilic substitution reactions due to?
A. OH group
B. Phenoxide ion
C. Benzene ring
D. All of these

CHEMISTRY $\gg$ Solids
20. Boiling Points of Polar Molecular solids are:
A. Low
B. Moderate
C. High
D. Cannot be predicted

CHEMISTRY. >> Introduction to Fundamental Concepts of Chemistry
21. If number of molecules of different gases are same at S.T.P ,the occupied volume will be
A. greater
B. same
C. smaller
D. twice

CHEMISTRY >> Atomic Structure
22. The value of Principal quantum number " $n$ " represent:
A. energy of electron
B. location of electron
C. shells or energy levels
D. all of these

CHEMISTRY >> Aldehydes and ketones
23. Carbonyl system having no alpha hydrogen undergoes $\qquad$ ?
A. Aldol condensation
B. Cannizzaro reaction
C. Haloform reaction
D. Oxidation reaction

CHEMISTRY >> Electrochemistry
24. In oxidation number method the final step to balance equation is
A. Hit and Trial Method
B. Inspection method
C. Identifying the reducing participants
D. Identifying the oxidized participants

CHEMISTRY >> Electrochemistry
25. Oxidation Number of all the elements in free state is:
A. unity
B. Positive
C. Zero
D. Negative

CHEMISTRY >> Alkyl Halides
26. Which of the following is an example of Nucleophile?
A. $\mathrm{Br}^{+}$
B. $\mathrm{CH}_{3}{ }^{+}$
C. $\mathrm{NH}_{3}$
D. $\mathrm{CH}_{4}$

CHEMISTRY >> Liquids
27. Water is considered as a Universal solvent because of which properties?
A. Polar nature of water
B. H-bonding
C. Electronegativity difference
D. All are correct

CHEMISTRY >> Chemical Equilibrium
28. By increasing the concentration of substance on reactant side shifts the equilibrium to
A. Backward direction
B. Forward Direction
C. higher concentration
D. None of these

CHEMISTRY >> Chemical Bonding
29. The ionic radius is always $\qquad$ than the atomic radius from which t is derived.
A. higher
B. larger
C. moderate
D. smaller

CHEMISTRY >> Macromolecules
30. On which of the following factors rate of enzyme action is directly proportional ?
A. Concentration of products
B. Time
C. Concentration of substrate
D. Concentration of solvent

CHEMISTRY >> Chemistry of Hydrocarbons
31. Which of the following reaction can be used to prepare Symmetrical alkanes?
A. Reduction reaction
B. Kolb's reaction
C. Clemmensen Reaction
D. Hydrogenolysis

CHEMISTRY >> Liquids
32. Melting and boiling point of liquids depend upon $\qquad$ -?
A. Motion of liquid molecules
B. Intermolecular forces between the molecules
C. Kinetic energy of the molecules
D. Mass of the molecules

CHEMISTRY >> Fundamental Principles of Organic Chemistry
33. What is the octane number of Iso-octane?
A. 40
B. 100
C. 0
D. 2

CHEMISTRY >> Macromolecules
34. Who introduce the concept of macromolecules?
A. Runge
B. MaxWell
C. Staudinger
D. None of these

CHEMISTRY $\gg$ Solids
35. CuSO4.5H2O is an example of crystal system:
A. triclinic
B. tetragonal
C. cubic
D. rhombohedral

CHEMISTRY $\gg$ Chemical Bonding
36. The elements with intermediate value of ionization energy value are called
A. metals
B. non metals
C. metalloid
D. transition elements

CHEMISTRY >> Transition Elements
37. When we dissolve a compound of transition element in a solution of salt then it will form
A. Simples ions
B. Strong anions
C. Double salts
D. Complex ions

CHEMISTRY >> Macromolecules
38. Which of the following causes the inactivation of enzymes $\qquad$
A. Concentration of substrate
B. Optimum temperature
C. Beta radiation
D. Optimum pH

CHEMISTRY $\gg$ Alcohol and Phenols
39. What is optimum temperature for the process of fermentation?
A. 10-15 degrees
B. 25-30 degrees
C. 25-35 degrees
D. 25-40 degrees

CHEMISTRY. >> Carboxylic Acids
40. Which of the following causes complete reduction of carboxylic acid into alkanes?
A. $\mathrm{H}_{2} / \mathrm{Ni}$
B. $\mathrm{Pd} / \mathrm{C}$
C. $\mathrm{HI} / \mathrm{P}$
D. $\mathrm{LiAlH}_{4}$

CHEMISTRY >> Fundamental Principles of Organic Chemistry
41. Conversion of straight chain hydrocarbons into branched chain is called as $\qquad$ ?
A. Reforming
B. Cracking
C. Isomers
D. Decomposition

CHEMISTRY $\gg$ Solids
42. An example of non- polar molecular crystal is:
A. Ice
B. lodine
C. Sugar
D. Salt

CHEMISTRY >> Gases
43. The molecule of water has structure:
A. cubic
B. tetrahedral
C. trigonal
D. hexagonal system

CHEMISTRY >> Aldehydes and ketones
44. Formaldehyde polymerizes to form ?
A. Bakelite
B. Paraldehyde
C. Metaformaldehyde
D. All of these

CHEMISTRY >> Alkyl Halides
45. Which one of the following is the correct IUPAC name of 2-Chloro,3-methylpentane ?
A. $\mathrm{CH}_{3}-\mathrm{CH}_{2}-\mathrm{CH}(\mathrm{Cl})-\mathrm{CH}\left(\mathrm{CH}_{3}\right)$
B. $\mathrm{CH}_{3}-\mathrm{CH}_{2}-\mathrm{CH}\left(\mathrm{CH}_{3}\right)-\mathrm{CH}(\mathrm{Cl})-\mathrm{CH}_{3}$
C. $\mathrm{CH}_{3}-\mathrm{CH}_{2}-\mathrm{CH}(\mathrm{Cl})-\mathrm{CH}(\mathrm{Cl})-\mathrm{CH}_{3}$
D. $\mathrm{CH}_{3}-\mathrm{CH}_{2}-\mathrm{CH}(\mathrm{Cl})-\mathrm{CH}\left(\mathrm{CH}_{3}\right)-\mathrm{CH}_{3}$

CHEMISTRY $\gg$ Alcohol and Phenols
46. The catalyst used for ether formation by dehydration of alcohols:
A. Cons HN3 at 14 C
B. Cons H2SO4 at 14 C
C. Hot H3PO4 at 18 C
D. ZnCl 2 at 45 C

CHEMISTRY >> Electrochemistry
47. In Electrochemical Cell Positive lons are migrated towards:
A. Anode
B. Cathode
C. Toward the bottom of the cell
D. Towards the walls of the cell

CHEMISTRY >> Chemical Equilibrium
48. At equilibrium if the concentration of product is increased reaction will proceed to:
A. Forward Direction
B. Backward Direction
C. Remain Undisturbed
D. None of these

CHEMISTRY >> Transition Elements
49. The transition elements belongs to Group VIB are:
A. $\mathrm{Zn}, \mathrm{Cd}, \mathrm{Hg}$
B. $\mathrm{Fe}, \mathrm{Ru}, \mathrm{Os}$
C. $\mathrm{Mn}, \mathrm{Te}, \mathrm{Re}$
D. $\mathrm{Cr}, \mathrm{Mo}, \mathrm{W}$

CHEMISTRY >> Liquids
50. Ethane and hexane both are nonpolar molecules, but ethane has lower Boiling point than Hexane due to?
A. Strong london forces in ethane due to smaller size
B. Weak london forces in hexane due to larger size
C. Strong london forces in hexane due to smaller size
D. Strong london forces in hexane due to larger size

CHEMISTRY >> Gases
51. Values of Van der Waalâ $€^{T M} s$ constant ' $b$ ' in correct order is:
A. $\mathrm{CO} 2<\mathrm{SO} 2<\mathrm{O} 2<\mathrm{H} 2$
B. $\mathrm{CO} 2>\mathrm{SO} 2>\mathrm{O} 2>\mathrm{H} 2$
C. $\mathrm{O} 2<\mathrm{H} 2<\mathrm{CO} 2<\mathrm{SO} 2$
D. $\mathrm{O} 2>\mathrm{H} 2>\mathrm{CO} 2>\mathrm{SO} 2$

CHEMISTRY >> Carboxylic Acids
52. Which of the following does not contain COOH group?
A. Acetone
B. Propanoic acid
C. Formic acid
D. Picric acid

CHEMISTRY >> Thermochemistry and Energetic of Chemical Reactions
53. Due to the formation of protective layer of oxides at Aluminum oxide surface, it is hard to burn it:
A. completely in air
B. completely in oxygen
C. with carbon
D. with nitrogen

CHEMISTRY >> Macromolecules
54. Enzymes speed up the reaction upto:
A. $10^{10}$
B. $20^{10}$
C. $10^{20}$
D. $15^{10}$

CHEMISTRY >> Reaction Kinetics
55. In one second if the concentration changes from 0.1 to 0.25 then the rate will be:
A. $\quad 0.02$ Moles/dm3s-1
B. $\quad 0.03$ Moles $/ \mathrm{dm} 3 \mathrm{~s}-1$
C. 0.15 Moles/dm3s-1
D. 0.11 Moles $/ \mathrm{dm} 3 \mathrm{~s}-1$

CHEMISTRY >> Reaction Kinetics
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D. 0.11 Moles $/ \mathrm{dm} 3 \mathrm{~s}-1$

CHEMISTRY >> Aldehydes and ketones
56. Self-oxidation reduction reaction is also called as $\qquad$ ?
A. Dehydration
B. Condensation reaction
C. Disproportionation reaction
D. Proportionation reaction

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)
57. What is the main cause of lung cancer?
A. Smoking
B. Cough
C. Pollutants
D. Mutagens

BIOLOGY >> Cell Structure and Function
58. Which of the following statement is incorrect about Glyoxysomes?
A. They contain enzymes which help in conversion of fatty acids into carbohydrate
B. They are abundant in soybeans but absent in pea.
C. They are single membranous organelles
D. They are present throughout life of a plant and provide them with energy through Glyoxylate cycle.
BIOLOGY >> Evolution
59. Population growth is checked by which of the following?
A. no competition
B. no polymorphism
C. polymorphism
D. competition

## BIOLOGY >> Biological Molecules Enzymes

60. The branch of biology which deals with the study of chemical compounds and the chemical processes in the fliving organisms is called?
A. Chemistry
B. Biochemistry
C. Molecular Biology
D. Both a and b

BIOLOGY >> Coordination and Control/ Nervous and Chemical Coordination
61. A neural pathway that controls an action reflex is called:
A. Nerve cell
B. reflex arc
C. Receptor cells
D. Mixed nerve

## BIOLOGY >> Evolution

62. Adaptation of traits to better fill a niche is known as which of the following?
A. polymorphism
B. gene linkage
C. specialization
D. replication

BIOLOGY >> Diversity among Animals
63. In some cases the blastomere can produce complete embryo the cleavage will be?
A. Spir I and determinate
B. Spiral and indeterminate
C. Radial and determinate
D. Radial and indeterminate

BIOLOGY >>. Bio-Energetics
64. The Light reaction takes place in?
A. Chloroplast
B. Grana
C. Thylakoid
D. Stroma

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)
65. The pleural membranes cover which organ?
A. Kidney
B. Heart
C. Brain
D. Lungs

BIOLOGY >> Bio-Energetics
66. The dense fluid filled region in the chloroplast is?
A. Grana
B. stroma
C. Thylakoid
D. Intergrana

BIOLOGY >> Biodiversity (Acellular Life/Variety of Life)
67. What does the size of viruses' range between?
A. 100 mm to 150 mm
B. 20 nm to $\mathbf{2 5 0} \mathbf{~ n m}$
C. 300 nm to 3000 nm
D. 3 nm to 30 nm

BIOLOGY >> Coordination and Control/ Nervous and Chemical Coordination
68. The area on the left hemisphere related to speech is called?
A. Amygdala
B. Broca's area
C. hypothalamus
D. occipital lobe

BIOLOGY >> Cell Structure and Function
69. Proteins and lipids are converted into glycolipids and glycoproteins by adding carbohydrates by?
A. ribosomes
B. cytoplasm
C. golgi apparatus
D. endoplasmic reticulum

BIOLOGY >> Enzymes
70. The non substrate molecules that binds to the allosteric sites are called?
A. inhibitors
B. reactants
C. allosteric substrates
D. allosteric modulators

BIOLOGY >> Biodiversity (Acellular Life/Variety of Life)
71. When were bacteriophages discovered by Twort?
A. 1915
B. 1920
C. 1910
D. 1820

BIOLOGY >> Diversity among Animals
72. Of the following which one is not included in Protostomes?
A. arthropods
B. hemichordates
C. annelids
D. mollusks

BIOLOGY >> Support and Movement
73. Diameter of thick filament is approximately how many nm ?
A. 15
B. 16
C. 17
D. 18

BIOLOGY >> Coordination and Control/ Nervous and Chemical Coordination
74. Reflex action is a type of:
A. Voluntary action
B. Involuntary action
C. Saltatory conduction
D. None of these

BIOLOGY >> Diversity among Animals
75. Closed circulatory system is present in which group of invertebrates?
A. Arthropods
B. Gastopods
C. Aves
D. Annelids

BIOLOGY >> Prokaryotes
76. Which of the following is true of both bacterial conjugation and meiosis?
A. Both processes produce four haploid cells
B. Both processes are a form of asexual reproduction
C. Both processes involve genetic recombination
D. none of these

BIOLOGY >> Variation and Genetics / Inheritance
77. Which term means "same alleles"ㄹ?
A. Heterozygous
B. Hybrid
C. Homozygous
D. None of them

BIOLOGY >> Diversity among Animals
78. Which is the largest cell in the human body?
A. macrophage
B. ovum
C. granule cell
D. none of these

BIOLOGY >> Biodiversity (Acellular Life/Variety of Life)
79. In what year did WHO declare that smallpox was completely eradicated?
A. 1990
B. 1980
C. 2001
D. 1995

## BIOLOGY >> Enzymes

80. Transmethylases helps in transfer of which of the following?
A. methyl group
B. ethyl group
C. amino group
D. acetyl group

BIOLOGY >> Variation and Genetics / Inheritance
81. The number of linkage groups in humans is?
A. $1 / 21$
B. 23
C. $1 / 23$
D. $1 / 24$

BIOLOGY >> Support and Movement
82. The bicep and tricep muscles are located in:
A. shank
B. upper arm
C. shoulder
D. lower jaw

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)
83. The glycine generated during photorespiration enters:
A. Glyoxysomes
B. Mitochondria
C. Peroxisomes
D. Ribosomes

BIOLOGY >> Evolution
84. If all members of a population are homozygous for the same allele, that allele is said to be?
A. Mobile in gene pool
B. Random in gene pool
C. Stationary in gene pool
D. Fixed in gene pool

BIOLOGY >> Coordination and Control/ Nervous and Chemical Coordination
85. In myelinated neurons the impulse jumps from node to node, what is this transmission called?
A. myelinated impulse
B. jumping impulse
C. saltatory impulse
D. all of these

BIOLOGY >> Bio-Energetics
86. Chlorophyll $b$ is found in which organisms?
A. Green plants
B. green algae
C. Animals
D. both a and b

BIOLOGY >>. Prokaryotes
87. Which of the following is the best description of a bacteriophage?
A. fungus
B. prokaryote
C. living organism
D. obligate intracellular parasite

BIOLOGY >> Biological Molecules Enzymes
88. Cells release various cellular secretions to facilitate bodily functions. Most of the cellular secretions are?
A. Glycoproteins
B. glycolipids
C. Nucleohistones
D. Carbohydrates

BIOLOGY >> Reproduction
89. Human testes are packed with how many seminiferous tubules?
A. 200
B. 300
C. 500
D. 600

BIOLOGY >> Biodiversity (Acellular Life/Variety of Life)
90. What is the shape of the TMV Virus?
A. rod
B. spherical
C. tadpole
D. helical

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)
91. How many compounds of tar of tobacco smoke are included in causing cancer?
A. 2
B. 5
C. 8
D. More than 10

BIOLOGY >> Reproduction
92. External genitalia of human male consist of a pair of testes which lie outside the body in the sac like?
A. bag
B. scrotum
C. pouch
D. all of these

BIOLOGY >> Biological Molecules Enzymes
93. This is non-reducing sugar
A. maltose
B. lactose
C. cellobiose
D. sucrose

BIOLOGY >> Bio-Energetics
94. Final acceptor of electrons in respiratory chain is?
A. NADH
B. Cytochrome a3
C. water
D. oxygen

BIOLOGY >> Biodiversity (Acellular Life/Variety of Life)
95. The phage that causes the lytic cycle is called?
A. virulent phage
B. lytic phage
C. temperate phage
D. both $a$ and $b$

## BIOLOGY >> Evolution

96. In a certain species of feline, all males are much larger than females. Members of either sex that are of intermediate size struggle to find mates. What principle best describes this phenomenon?
A. Bottleneck affect
B. Directional selection
C. Genetic drift
D. Disruptive selection

BIOLOGY >> Support and Movement
97. What is the role of the sarcoplasmic reticulum prior to a muscle contraction?
A. It actively pumps calcium ions into its lumen
B. It releases calcium ions by active transport
C. It creates the proteins needed to cover the actin filaments
D. It releases calcium once an actin potential reaches the sarcolemma

BIOLOGY >> Variation and Genetics / Inheritance
98. Which of the following is true about O-negative blood group?
A. A,B antigen present
B. Rh antigen present
C. Rh antibody present
D. Anti-A, Anti-B antibody present

BIOLOGY >> Coordination and Control/ Nervous and Chemical Coordination
99. Which part of the nervous is responsible for controlling reflex action?
A. Corpus callosum
B. Pons
C. vermis
D. spinal cord

BIOLOGY >> Coordination and Control/ Nervous and Chemical Coordination
100. The spinal cord is continuous with which part of the brain?
A. cerebrum
B. cerebellum
C. medulla oblongata
D. pons

BIOLOGY >> Bio-Energetics
101. Find out the correct sequence for movement of electrons during the light-dependent reaction:
A. p68, p7, water, NADP
B. water, p7, NADP, p68
C. p7, p68, NADP, water
D. water, p68, p7, NADP

BIOLOGY >> Cell Structure and Function
102. The soluble part of the cytoplasm is known as?
A. cytosol
B. polysomes
C. cisternae
D. chitin

BIOLOGY $\gg$ Evolution
103. In the evolutionary sense, which organism has the highest fitness?
A. A sterile mule that can pull over 800 pounds
B. A childless human male who lives to be over one hundred years old
C. A dog who cannot give birth due to a hip abnormality, but is healthy in all other respects
D. A prairie dog that, though smaller than the average member of her species, has twice as many healthy young in each litter

BIOLOGY >> Cell Structure and Function
104. This jelly like substance inside the plasma membrane in which all cell organelles are floating is?
A. cytoplasm
B. tonoplasm
C. karyoplasm
D. cell sap

BIOLOGY >> Bio-Energetics
105. What is pyruvate broken down to, in yeast?
A. Acetyl coA
B. alcohol
C. lactic acid
D. all of these

BIOLOGY >> Reproduction
106. Fertilization of ovum occurs during which of the following?
A. in uterus
B. in ovary
C. In distal part of oviduct
D. In proximal part of oviduct

BIOLOGY >> Diversity among Animals
107. What is an example of an oviparous mammal?
A. Penguin
B. Shark
C. Spiny anteater
D. Elephant

BIOLOGY >> Enzymes
108. Which of the following changes could lead to loss of enzymatic function?
A. Decrease in activation energy of the reaction
B. Increase in enzyme concentration
C. Change in overall enthalpy of the reaction
D. Increase in pH of the reaction

BIOLOGY >> Variation and Genetics / Inheritance
109. Which of the following represents a phenotype?
A. X-linked recessive
B. Aa
C. Autosomal dominant
D. Brown hair

BIOLOGY >> Coordination and Control/ Nervous and Chemical Coordination
110. The auditory relay center is found in:
A. Corpus callosum
B. Hindbrain
C. Forebrain
D. Midbrain

BIOLOGY >> Reproduction
111. Which one of the following statements is incorrect?
A. Eggs in the ovaries ripen when they meet a sperm
B. Girls are born with thousands of eggs in their ovaries.
C. Hormones control the release of the egg from the ovary.
D. One egg is released from the ovary about every month.

BIOLOGY >> Support and Movement
112. All of the following are inflammatory arthritis except:
A. Rheumatoid Arthritis
B. Osteoarthritis
C. Gouty arthritis
D. Osteomyelitis

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)
113. During transport of carbon dioxide, blood does not become acidic due to:
A. Blood buffer
B. Neutralization of H 2 CO 3 by Na 2 CO 3
C. Absorption by leukocytes
D. Non-accumulation

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)
114. The stomata are closed at which of the following temperature? (In centigrade)
A. 45
B. 35
C. 15
D. 25

## BIOLOGY >> Biological Molecules Enzymes

115. Globular proteins differ from fibrous proteins in?
A. non-crystalline
B. more amino acids
C. peptide bonds
D. soluble in aqueous medium

BIOLOGY >> Enzymes
116. The optimum pH for the functioning of pancreatic lipase is?
A. 8
B. 9
C. 7
D. 6

BIOLOGY >> Coordination and Control/ Nervous and Chemical Coordination
117. What is the chemical characteristic of auxins?
A. Indole propionic acid
B. Indole carboxylic acid.
C. Indole acetaldehyde
D. Indole acetic acid.

BIOLOGY >> Cell Structure and Function
118. Where in a leaf mesophyll cell would you find DNA molecules?
A. Nucleus only
B. Nucleus \& mitochondria only
C. Nucleus, mitochondria \& chloroplasts only
D. Nucleus, mitochondria, chloroplasts \& plasmids only

BIOLOGY >> Diversity among Animals
119. The animals that have features of both mammals and reptiles are?
A. duckbill platypus
B. spiny anteater
C. wolves
D. both a and b

BIOLOGY >> Evolution
120. Which of the following best describes the impact of purifying selection?
A. It increases frequency of an allele
B. It is the same as disruptive selection
C. It increases genetic diversity
D. It removes variation from the population

BIOLOGY >> Cell Structure and Function
121. Damage to one of the following immediately kills the cell whether its prokaryotic or eukaryotic?
A. nucleus
B. cell membrane
C. mitochondria
D. all of these

BIOLOGY >> Bio-Energetics
122. Fatty acids release considerable amount of energy in oxidation and $\qquad$
A. calvin cycle
B. Kreb's cycle
C. dark reaction
D. light reactions

BIOLOGY >> Reproduction
123. Secondary oocyte is ovulated from:
A. corpus luteum
B. Graafian follicle
C. primary follicle
D. germinal epithelium

BIOLOGY >> Biodiverity (Acellular Life/Variety of Life)
124. During lytic cycle how many phages are released from infected host cell?
A. 100-300
B. 100-500
C. $100-200$
D. 100-400

PHYSICS >> Waves
125. Critical angle is the angle of incidence in the denser medium for which the angle of refraction in the rarer medium is equal to:
A. 0 deg
B. angle of incidence
C. twice the angle of incidence
D. 90 deg

PHYSICS >> Current Electricity
126. Volts / Ampere = $\qquad$
A. Ohm
B. Ohm meter
C. Pascal
D. None of them

PHYSICS >> Electronics
127. The process of converting alternating current to direct current is called
A. modulation
B. amplification
C. oscillation
D. rectification

## PHYSICS >> Electromagnetism

128. When a charge particle enters in the magnetic field perpendicular to the velocity of charge followed path is:
A. circular
B. parabolic
C. elliptical
D. hyperbolic

PHYSICS >> Nuclear Physics
129. Isotopes means addition of additional $\qquad$ in same proton number
A. protons
B. electrons
C. neutrons
D. all of them

PHYSICS >> Electro-statistics
130. An electron is held within electric field. What happens when electron is released?
A. it moves in the direction of electric field
B. it accelerates in the direction of electric field
C. it moves in the direction opposite to electric field
D. it accelerates in the direction opposite to electric field

PHYSICS >> Electromagnetic Induction
131. The mutual induction happens in
A. AC generator
B. DC generator
C. Battery
D. Transformer

PHYSICS >> Work and Energy
132. A man pushes a wall and failed to displace it ,he does
A. Negative work
B. positive work but not maximum
C. No work at all
D. maximum work

PHYSICS >> Dawn of Modern Physics
133. Which among the following phenomenon shows particle nature of light?
A. Photoelectric effect
B. Interference
C. Polarization
D. Matter waves

PHYSICS $\gg$ Force and Motion
134. A horizontal line in displacement-time graph represents:...
A. uniform accelerated motion
B. motion with constant velocity
C. motion with constant speed
D. body at rest

PHYSICS >> Thermodynamics
135. A car of mass $M$ is moving with speed $v$. The brake of mass $m$ and specific heat capacity $c$, is used to stop the car. If half of the kinetic energy of the car is absorbed by the brake, than what is the increase in temperature of the brake?
A. $\mathrm{Mv}^{2}-------4 \mathrm{mc}$
B. $\mathrm{Mv}^{2}-------2 \mathrm{mc}$
C. $m v^{2}-------4 M c$
D. $\mathrm{mv}^{2}-------2 \mathrm{Mc}$

PHYSICS >> Nuclear Physics
136. One isotope of Uranium is U-238. Any other isotope of Uranium must have
A. 146 protons
B. 92 protons
C. 92 neutrons
D. 146 neutrons

PHYSICS >> Nuclear Physics
137. What will be the means life of a source whose half-life is $\mathbf{1}$ hour
A. 0.693 hour
B. 1 hour
C. 1.9 hour
D. 1.443 hour

PHYSICS >> Electro-statistics
138. The force between two charges $Q$ and $q$, separated by a distance $d$ is $F$. What will be the force between them when distance between them is $d / 2$ ?
A. 4 F
B. 2 F
C. $F$
D. F ------- 2

PHYSICS >> Waves
139. The frequency of a string on a musical instrument can be changed either by:
A. varying the diameter or by changing the length
B. varying the tension or by changing the thickness
C. varying the tension or by changing the length
D. varying the thickness or by changing the length

PHYSICS >> Waves
140. A standing-wave pattern is formed when the length of the string is:
A. an odd multiple of quarter wavelength
B. an integral multiple of quarter wavelength
C. an integral multiple of wavelength
D. an integral multiple of half wavelength

PHYSICS >> Electronics
141. If a half wave rectifier is used to convert 50 Hz AC into DC, then the number of pulses present in rectifier voltage is:
A. 25
B.. 50
C. 100
D. 75

PHYSICS >> Electromagnetic Induction
142. Alternating Current Generators use:
A. coiled rings
B. split rings
C. slip rings
D. solenoid rings

PHYSICS >> Dawn of Modern Physics
143. Calculate the energy of a photon of wavelength 6600 angstroms.
A. $0.3 \times 10^{-19} \mathrm{~J}$
B. $3 \times 10^{-19} \mathrm{~J}$
C. $30 \times 10^{-19} \mathrm{~J}$
D. $300 \times 10^{-19} \mathrm{~J}$

## PHYSICS >> Rotational and Circular Motion

144. A body moving along the circumference of a circle completes two revolutions. If the radius of the circular path is $R$, the total angular displacement covered is?
A. $\quad \pi r$
B. $2 \pi r$
C. zero
D. $4 \pi$

PHYSICS >> Electromagnetic Induction
145. Faraday law states that the rate of change of magnetic flux is equal to
A. electromotive force
B. induced current
C. induced flux
D. induced magnetic field

PHYSICS >> Thermodynamics
146. If $d U$ and $d W$ represent internal energy and work done then which is true?
A. $d U=-d W$ in a adiabatic process
B. $d U=d W$ in Isothermal process
C. $\mathrm{dU}=\mathrm{dW}$ in adiabatic process
D. dU=-dW in isothermal process

PHYSICS >> Atomic spectra
147. Radiation exchange occurs in which medium
A. solid
B. liquid
C. gas
D. vacuum

PHYSICS >> Force and Motion
148. A motion with uniform negative acceleration can be represented on displacement-time graph by:
A. a horizontal line
B. a curve line with decreasing gradient
C. a straight line with constant gradient
D. a curve line with increasing gradient

PHYSICS >> Force and Motion
149. When an object moves in a straight line then:...
A. its displacement is equal to distance
B. its displacement is greater than distance
C. its displacement is less than distance
D. we cannot measure displacement

PHYSICS >> Work and Energy
150. Consider a drop of water of mass 1 gm falling from a height of 1 km . It hits the ground with a speed of $50 \mathrm{~m} / \mathrm{s}$, take $\mathrm{g}=10 \mathrm{~m} / \mathrm{s}^{2}$. the work done by resistive force of air is
A. -8.25 J
B. -8.75 J
C. 8.75 J
D. 8.5 J

PHYSICS >> Atomic spectra
151. The radiation reached on earth by sun is:
A. alpha
B. beta
C. gamma
D. all of these

## PHYSICS >> Electronics

152. Transistors can be used as:
A. half wave rectifier
B. full wave rectifier
C. both
D. none of these

## PHYSICS >> Nuclear Physics

153. The radioactive element when decay to first half life the new element is called:
A. daughter element
B. modified element
C. radioactive element
D. all of these

PHYSICS >> Electro-statistics
154. You have three capacitors, each of $2 \mu \mathrm{C}$. In which of the following combinations of the three capacitors, the resultant capacitance is $6 \mu \mathrm{C}$ ?
A. all three capacitors in series
B. two capacitors are in series, one in parallel
C. two capacitors are in parallel, one in series
D. all three capacitors in parallel

## PHYSICS >> Work and Energy

155. The work done by the push of air on an object of mass 10 kg falling from rest through a vertical distance of 10 m is 500 J . Find the velocity of the object at the end of 10 m fall: $\quad\left(\mathrm{g}=10 \mathrm{~m} / \mathrm{s}^{2}\right)$
A. $20 \mathrm{~m} / \mathrm{sec}$
B. $12 \mathrm{~m} / \mathrm{sec}$
C. $5 \mathrm{~m} / \mathrm{sec}$
D. $10 \mathrm{~m} / \mathrm{sec}$

PHYSICS >> Thermodynamics
156. The efficiency of Carnot engine can never be 1, because:....
A. we can not achieve the higher temperature
B. we do not have an ideal working substance
C. there is always energy losses
D. we need cold reservoir at absolute zero temperature, which is not available

PHYSICS >> Current Electricity
157. Two incandescent light bulbs of 40 W and 60 W ratings are connected in series across the mains. Then
A. The bulbs together consume 100 W
B. The bulbs together consume 50 W
C. The 60 W bulb glows brighter
D. The 40 W bulb glows brighter

PHYSICS >> Rotational and Circular Motion
158. The relation between linear and angular acceleration is:
A. $a=\alpha \times r$
B. $a=a \times r v$
C. $v=a \times r$
D. $r=\alpha \times v$

PHYSICS >> Current Electricity
159. When $2 \Omega, 4 \Omega$ and $6 \Omega$ resistors are connected in parallel their resultant equivalent resistance will be:
A. $12 \Omega$
B. $11 / 12 \Omega$
C. $12 / 11 \Omega$
D. Data is insufficient

PHYSICS >> Nuclear Physics
160. Which reaction is endothermic:
A. fission
B. fusion
C. formation of gas
D. none of these

PHYSICS >> Nuclear Physics
161. How many quarks in electron:
A. 0
B. 1
C. 2
D. 3

## PHYSICS >> Waves

162. Wave speed per frequency is equivalent to:
A. beats
B. Time period
C. wavelength
D. None of them

PHYSICS >> Electromagnetism
163. If magnetic field vector is $B=(i+5 j+2 k)$ and area vector is $(6 i-2 j+2 k)$ then flux related to this is:
A. 10 Wb
B. 15 Wb
C. 20 Wb
D. 0 Wb

PHYSICS >> Electromagnetic Induction
164. Faraday's law explains how electric field will interact with:
A. electric field
B. magnetic field
C. battery
D. none of these

PHYSICS >> Current Electricity
165. Correct form of ohm's law:
A. $I=V R$
B. $V \propto I$
C. $V=I R$
D. Both B and C

PHYSICS >> Current Electricity
166. Four wires of same material, the same cross-sectional area and the same length when connected in parallel give a resistance of 0.25 ohms. If the same four wires are connected is series the effective resistance will be:
A. 1 ohm
B. 2 ohm
C. 3 ohm
D. 4 ohm

PHYSICS >> Dawn of Modern Physics
167. Wave theory of light is unable to prove:
A. Black body radiation
B. Photoelectric effect
C. Compton effect
D. All of them

## PHYSICS >> Electromagnetism

168. If a charged particle is at rest but we are seeing it from a train then we observe:
A. electric field
B. magnetic field
C. both fields
D. none of these

## PHYSICS >> Electro-statistics

169. Consider two capacitors with capacitance $2 \mu \mathrm{~F}$ and $4 \mu \mathrm{~F}$. With which type of connection will the $2 \mu \mathrm{~F}$ capacitor have a greater amount of stored energy than the $4 \mu \mathrm{~F}$ capacitor?
A. series
B. parallel
C. either series nor parallel
D. neither series nor parallel

## PHYSICS >> Waves

170. A monochromatic light is incident on two slits and interference pattern is produced on screen at the distance L. Now one slit is covered, no light coming from it. What is the change in pattern on the screen?
A. the width of central maximum is decreased
B. the width of outer maximum is decreased
C. the intensity of central maximum will increase
D. less number of fringes will be observed

## PHYSICS >> Electromagnetic Induction

171. Face of coil having clockwise current:
A. behaves like north pole
B. behaves like south pole
C. becomes magnet of varying poles
D. does not behaves like magnet

## PHYSICS >> Waves

172. Wavelength of a travelling wave is 20 cm . What is the phase angle between the two points separated through a distance of 25 cm ?
A. $2 \pi$
B. $2.5 \pi$
C. $3 \pi$
D. $1 \pi$

PHYSICS >> Atomic spectra
173. An lonic atom which is equivalent to hydrogen atom has wavelength equal to $1 / 4$ th of hydrogen lines is:
A. $\mathrm{He}+$
B. $\mathrm{Li}++$
C. $\mathrm{Ne}+9$
D. $\mathrm{Na} 10+$

PHYSICS >> Nuclear Physics
174. Radon-222 has $\mathbf{1 3 6}$ neutrons, how many neutrons are there in Radon-220:
A. 131
B. 134
C. 136
D. none of these

## PHYSICS >> Work and Energy

175. An object is displaced from position vector $r 1=(2 i+3 j) m$ to $r 2=(4 j+6 k) m$ under a force $F=\left(3 x^{2} i+2 y j\right) N$. Find the work done by this force
A. 55 J
B. 83 J
C. 0
D. - 83 J

## PHYSICS >> Rotational and Circular Motion

176. A car of mass 2000 kg moving in a circular path of radius 10 m at a constant speed of $30 \mathrm{~m} / \mathrm{sec}$. Find the centripetal force required for this purpose.
A. 1800 N
B. 18 N
C. 180 kN
D. 18 kN

PHYSICS >> Electronics
177. For a half-wave rectifier having diode voltage VD and supply input of $V$, the diode conducts for $\pi-$ 20, where $\Theta$ is given by:
A. $\boldsymbol{t a n}^{\wedge}(-1)(\mathrm{VD} / \mathrm{V})$
B. $\boldsymbol{\operatorname { s i n }}^{\wedge}(-1)(\mathrm{VD} / \mathrm{V})$
C. $\cos ^{\wedge}(-1)($ VD/V)
D. $\cot ^{\wedge}(-1)(\mathrm{VD} / \mathrm{V})$

PHYSICS >> Thermodynamics
178. P-V diagram of a diatomic gas is a straight line passing through origin. What is the molar heat capacity of the gas in the process?
A. $R$
B. 1.5 R
C. $3 R$
D. $4 R / 3$

## PHYSICS >> Dawn of Modern Physics

179. When gamma photon is entered in nucleus it $\qquad$

A. de-excite the atom
B. excite the atom
C. scatter by atom
D. none of these

## PHYSICS >> Force and Motion

180. When a stone is thrown horizontally with $2 \mathrm{~m} / \mathrm{s}$ from a building of height 5 m then just before hitting ground its acceleration is:
A. $12 \mathrm{~m} / \mathrm{s}^{\wedge} 2$
B. $13 \mathrm{~m} / \mathrm{s}^{\wedge} 2$
C. $9.8 \mathrm{~m} / \mathrm{s}^{\wedge} 2$
D. $7.6 \mathrm{~m} / \mathrm{s}^{\wedge} 2$

ENGLISH >> Use of writing conventions of spelling, capitalization and punctuation
Demonstrate correct use of articles and prepositions Demonstrate correct use of subject-verb agreement Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning
181. Choose the correct sentence.
A. Myra and her family are spending the summer at attabad lake.
B. Myra and her family are spending the summer at attabad lake!
C. Myra and her family are spending the summer at Attabad lake.
D. Myra and her family are spending the summer at Attabad Lake.

ENGLISH >> Correct use of articles and prepositions Demonstrate correct use of articles and prepositions
182. Gold is $\qquad$ precious metal.
A. a
B. an
C. the
D. no article

ENGLISH >> Mistakes in Sentences or short written texts
Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning
183. Choose the correct spelling of the word:
A. servant
B. servent
C. sarvant
D. sarvent

ENGLISH >> Correct use of articles and prepositions
Demonstrate correct use of articles and prepositions
184. I work as $\qquad$ only English teacher at this school.
.A. a
B. an
C. the
D. no article

ENGLISH >> Vocabulary Comprehend key vocabulary
185. The mechanic is working hard to $\qquad$ our car by this evening.
A. make
B. repair
C. renew
D. wander

ENGLISH >> Use of writing conventions of spelling, capitalization and punctuation
Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning
186. should have:
A. shouldh've
B. should've
C. shouldv'e
D. should'ave

ENGLISH >> Correct use of articles and prepositions Demonstrate correct use of articles and prepositions 187. There was $\qquad$ article about pollution in $\qquad$ paper.
A. a..an
B. an... the
C. a... the
D. a...a

ENGLISH >> Tenses
Demonstrate control of tenses and sentence structure
188. What tense is the verb in this sentence? 'The children are playing outside.'
A. Present
B. past
C. future
D. none of these

ENGLISH >> Correct use of Subject Verb Agreement Demonstrate correct use of subject-verb agreement 189. The frogs in the garden $\qquad$ very loudly.
A. croak
B. croaks
C. croaking
D. cracked

ENGLISH >> Use of writing conventions of spelling, capitalization and punctuation
Demonstrate correct use of articles and prepositions Demonstrate correct use of subject-verb agreement
Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning
190. Choose the correct sentence.
A. It is my birthday in june I would like a book by Charles Dickens.
B. It is my birthday in June. I would like a book by Charles Dickens.
C. It is my birthday in June; I would like a book by Charles Dickens.
D. It is my birthday in June. I would like a book by Charles Dickens!

ENGLISH >> Structure of Sentence
Demonstrate control of tenses and sentence structure
191. I have two sisters.
A. Declarative
B. Imperative
C. Interrogative
D. Exclamatory

ENGLISH >> Correct use of Subject Verb Agreement
Demonstrate correct use of subject-verb agreement
192. Ninety rupees $\qquad$ too much for this bag.
A. is
B. are
C. be
D. were

ENGLISH >>. Vocabulary
Comprehend key vocabulary
193. He $\qquad$ in this school since 2010.
A. studied
B. has been studying
C. studies
D. had studies

ENGLISH >> Structure of Sentence
Demonstrate control of tenses and sentence structure
194. What a tragedy!
A. Declarative
B. Imperative
C. Interrogative
D. Exclamatory

ENGLISH >> Correct use of Subject Verb Agreement Demonstrate correct use of subject-verb agreement 195. None $\qquad$ none under the sun.
A. is
B. are
C. were
D. was

ENGLISH >>. Structure of Sentence
Demonstrate control of tenses and sentence structure
196. Which one is correct?
A. The rain stopped an hour ago.
B. The rain has stopped an hour ago
C. The rain stops an hour ago
D. The rain had stopped an hour ago

ENGLISH >>. Mistakes in Sentences or short written texts
Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning
197. Choose the correct spelling of the word:
A. Shekspeare
B. Shakspare
C. Shakespare
D. Shakespeare

ENGLISH >> Vocabulary
Comprehend key vocabulary
198. As he hated every minute of his life in the army, it is no wonder that he decided one day to $\qquad$ his unit.
A. desert
B. dessert
C. avoid
D. suspend

ENGLISH >> Use of writing conventions of spelling, capitalization and punctuation
Demonstrate correct use of articles and prepositions Demonstrate correct use of subject-verb agreement
Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning
199. Choose the correct sentence.
A. Mrs Sajjad: who was sitting behind the desk, gave me a big smile.
B. Mrs Sajjad who was sitting behind the desk gave me a big smile.
C. Mrs Sajjad, who was sitting behind the desk, gave me a big smile.
D. Mrs Sajjad, who was sitting behind the desk gave me a big smile?

## ENGLISH >> Tenses

Demonstrate control of tenses and sentence structure
200. The sun $\qquad$ (shine) brightly.
A. shine
B. shined
C. shone
D. shining

## LOGICAL REASONING >> Logical Problems

## Fact Checking

201. Fact 1 Some pens don't write Fact 2 Only blue pens write Fact 3 some writing utensils are pens If the above three statements are facts than which of the following statement will also be a fact l. Some writing utensils don't write II. Some writing utensils are blue III. Some blue writing utensils don't write
A. Only III
B.. Only I and II
C. Only I
D. Only III and II

LOGICAL REASONING >> Letter and Symbol Series
Complete the series
202. What is the common vowel in Apple and Banana?
A. E
B. $\mathbf{P}$
C. A
D. $M$

LOGICAL REASONING >> Logical Problems

## Fact Checking

203. Fact 1: Some pens don't write Fact 2: Only blue pens write Fact 3: some writing utensils are pens If the above three statements are facts than which of the following statement will also be a fact $l$. Some writing utensils don't write II. Some writing utensils are blue III. Some blue writing utensils don't write
A. Only III
B. Only I and II
C. Only I
D. Only III and II

LOGICAL REASONING >> Cause \& Effect
Dependent Causes/ Independent Causes/
204. I. The student was expelled from the school. II. He was found using the drugs.
A. Statement $I$ is the cause and statement II is its effect.
B. Statement II is the cause and statement I is its effect.

C Both statements I and II are independent causes
D. Both statements I and II are the effects of independent cause.

LOGICAL RE.ASONING >> Course of Action
Statements and Actions
205. Statement The Management of School M has decided to give free breakfast from next academic year to all the students in its primary section through its canteen even though they will not get any government grant. Courses of Action (I) The school will have to admit many poor students who will seek admission for the next academic year. (II) The canteen facilities and utensils have to be checked and new purchases to be made to equip it properly. (III) Funds will have to be raised to support the scheme for years to come.
A. Only II and III follows
B. Only III and I follow
C. Only I and II follow
D. Only I follows

LOGICAL REASONING $\gg$ Critical Reasoning
Number series
206. look at this series $7,10,8,11,9,12$. Which number you think will be next?
A. 10
B. 13
C. 7
D. 12

LOGICAL REASONING >> Course of Action

## Statements and Actions

207. Statement The availability of imported fruits has increased in the indigenous market and so the demand for indigenous fruits has been decreased. I. To help the indigenous producers of fruits, the Government should impose high import duty on these fruits, even if these are not of good quality. II. The fruit vendors should stop selling imported fruits. So that the demand for indigenous fruits would be increased.
A. Both of them follows
B. None of them follows
C. Only I follows
D. Only II follows

## LOGICAL REASONING >> Critical Reasoning

## Statement and Argument

208. Statement Should admission to the professional degrees in Pakistan be given only on merit without any concession to any particular group of students? Arguments (I) Yes. This will improve the quality of the professional institutes and degrees as they will be able to complete the degree successfully. (II) No. This will keep a large number of socially and economically backward students out of the reach of professional institutes and degrees.
A. If argument $I$ is strong
B. If only argument II is strong
C. If both I and II are strong.
D. If neither I nor II is strong LOGICAL REASONING >> Cause \& Effect Dependent Causes/ Independent Causes/
209. Statement: Rural and semi urban areas in the country have been suffering due to load shedding for quite some time. If the government is not able to overcome the power crisis, load shedding will be extended even to the urban areas.
A. Statement I is the cause and statement II is its effect.
B. Statement II is the cause and statement I is its effect
C. Both the statements I and II are independent causes
D. Both the statements I and II are effects of some common cause

LOGICAL REASONING >> Logical Problems

## Statements and Conclusions

210. 1: All clocks are watches.

2: Some clocks are alarms. Conclusion:
I: Some Alarms are watches. II: All watches are alarm.
A. Only conclusion (I) follows
B. Only conclusion (II) follows
C. Both conclusions follow
D. Neither conclusion (I) nor conclusion (II) follows

