

BOTANY PG

1. The non-protein constituent of enzymes is termed as
 - (A) Apoenzyme
 - (B) Holoenzyme
 - (C) Prosthetic group
 - (D) Isoenzyme
2. Agar-agar is obtained from
 - (A) Rhodophyceae
 - (B) Phaeophyceae
 - (C) Cyanophyceae
 - (D) Chlorophyceae
3. Term to denote the reduction division is
 - (A) Amitosis
 - (B) Mitosis
 - (C) Meiosis
 - (D) Budding
4. Wounding of plant organs results in
 - (A) Decrease in the rate of respiration
 - (B) Increase in the rate of respiration
 - (C) Inhibition of respiration
 - (D) Downregulation of respiration
5. Respiration is an
 - (A) Exothermic process
 - (B) Endothermic process
 - (C) Endergonic process
 - (D) Anabolic process
6. Which one among the following enzymes is employed in Genetic Engineering?
 - (A) Phosphatase
 - (B) α -Amylase
 - (C) Lipase
 - (D) Restriction endonuclease

7. Carrot is an example of
- (A) Flower
 - (B) Fruit
 - (C) Taproot
 - (D) Sporangiphore
8. The bread wheat *Triticum aestivum*, that is commonly consumed all over the world, is
- (A) Hexaploid
 - (B) Tetraploid
 - (C) Triploid
 - (D) Diploid
9. In Plant Biotechnology, PEG is employed in
- (A) Protoplast fusion
 - (B) Cell culture preparation
 - (C) Protoplast isolation
 - (D) Sphaeroplast isolation
10. The Universal Chlorophyll Pigment which is present in green plants is
- (A) Chlorophyll a
 - (B) Chlorophyll b
 - (C) Chlorophyll c
 - (D) Chlorophyll d
11. N₂ fixation in the soil substratum is carried out by
- (A) Virus
 - (B) Yeast
 - (C) Bacteria
 - (D) Protozoa
12. The Okazaki fragments are sealed by one among the following enzymes
- (A) Ligase
 - (B) Nuclease
 - (C) Primase
 - (D) Topoisomerase

13. Water in plants is transported by
- (A) Xylem
 - (B) Epidermis
 - (C) Phloem
 - (D) Cambium
14. Introns are removed by a process of
- (A) Splicing
 - (B) Transcription
 - (C) Translation
 - (D) Transduction
15. A synthetic auxin is
- (A) Indole-3-acetic acid (IAA)
 - (B) Benzylaminopurine (BAP)
 - (C) 2,4-Dichlorophenoxyacetic acid (2,4-D)
 - (D) Absciscic acid (ABA)
16. Two monosaccharides are linked by
- (A) Hydrogen bond
 - (B) Peptide bond
 - (C) Glycosidic bond
 - (D) Phosphodiester bond
17. Which one among the following is a polysaccharide?
- (A) Glucose
 - (B) Glycogen
 - (C) Fructose
 - (D) Lactose
18. An organism with two identical alleles is termed as
- (A) Dominant
 - (B) Hybrid
 - (C) Heterozygous
 - (D) Homozygous

19. Final electron acceptor in respiration is
- (A) Hydrogen
 - (B) Oxygen
 - (C) Cytochrome
 - (D) Phytochrome
20. Metal ion found in chlorophyll molecule is
- (A) Cobalt
 - (B) Zinc
 - (C) Magnesium
 - (D) Iron
21. The loading of phloem during translocation is referred as
- (A) Elongation of phloem cells
 - (B) Separation of phloem parenchyma
 - (C) Strengthening of phloem fibers
 - (D) Pouring of sugars into phloem
22. Which one among the following bacteria is called as “natural genetic engineer”?
- (A) *Agrobacterium tumefaciens*
 - (B) *Agrobacterium radiobacter*
 - (C) *Pseudomonas putida*
 - (D) *Thermus aquaticus*
23. Which one among the following cereal crops has the smallest genome?
- (A) Maize
 - (B) Barley
 - (C) Rice
 - (D) Wheat
24. QTL stands for
- (A) Quantitative trait locus
 - (B) Qualitative trait locus
 - (C) Quanta trait locus
 - (D) Quantasome locus

25. Which one among the following group of plants has respiratory roots?
- (A) Mangroves
 - (B) Epiphytes
 - (C) Xerophytes
 - (D) Submerged hydrophytes
26. The head and tail of a chlorophyll molecule are made up of
- (A) Pyrrole and tetrapyrrole
 - (B) Porphyrine and phytin
 - (C) Porphyrine and phytol
 - (D) Tetrapyrrole and magnesium
27. Process of water exudation through hydathodes is termed as
- (A) Guttation
 - (B) Transpiration
 - (C) Evaporation
 - (D) Bleeding
28. Insectivorous plants grow in
- (A) Nitrogen rich soil
 - (B) Nitrogen deficient soil
 - (C) Potassium deficient soil
 - (D) Carbohydrate rich soil
29. Eyes on potato tubers represent
- (A) Rootlets
 - (B) Nodes with buds
 - (C) Scars
 - (D) Sutures
30. Which one among the following biomolecules is a vitamin?
- (A) Absciscic acid
 - (B) Glutamic acid
 - (C) Folic acid
 - (D) Linoleic acid

31. Fungus without mycelium is
- (A) *Puccinia* sp.
 - (B) *Rhizopus* sp.
 - (C) *Saccharomyces* sp.
 - (D) *Mucor* sp.
32. Phytohormone which reduces transpiration rate by inducing stomatal closure is
- (A) Absciscic acid
 - (B) Ethylene
 - (C) Cytokinin
 - (D) Auxin
33. First CO₂ receptor in C₄ plants is
- (A) PGA
 - (B) PEP
 - (C) RuBP
 - (D) NAA
34. The holistic components of an ecosystem consists of
- (A) Trees and weeds
 - (B) Plants and animals
 - (C) Man and plants
 - (D) Biotic and abiotic
35. Ribozyme which exhibits enzymatic activity belongs to one among the following types of biomolecule
- (A) Protein
 - (B) RNA
 - (C) DNA
 - (D) Phytosterol
36. Root cap is not found in
- (A) Mesophytes
 - (B) Hydrophytes
 - (C) Xerophytes
 - (D) Halophytes

37. Soil salinity is measured by
- (A) Potometer
 - (B) Porometer
 - (C) Conductivity meter
 - (D) Calorimeter
38. BLAST is a tool for
- (A) DNA sequence search
 - (B) DNA sequence alignment
 - (C) Protein sequence alignment
 - (D) Genetic diversity analysis
39. First edible vaccine was developed in
- (A) Banana
 - (B) Tomato
 - (C) Rice
 - (D) Papaya
40. Phytohormone which does not occur naturally is
- (A) Cytokinin
 - (B) 2, 4-D
 - (C) Gibberellic acid
 - (D) IAA
41. The phytohormone which induces triple response phenotype in seedlings is
- (A) GA_3
 - (B) ABA
 - (C) IAA
 - (D) C_2H_4
42. Simplest type of reproduction in plants is found in
- (A) *Ulothrix* sp.
 - (B) *Nostoc* sp.
 - (C) *Chlamydomonas* sp.
 - (D) *Spirogyra* sp.

43. Heterosis refers to
- (A) Hybrid sterility
 - (B) Hybrid selection
 - (C) Hybrid incompatibility
 - (D) Hybrid vigour
44. Which one among the following is an example of RNA-virus?
- (A) SV-40
 - (B) T2 Phage
 - (C) TMV
 - (D) Adenovirus
45. Who was the famous palaeobotanist from India?
- (A) P. Parija
 - (B) Birbal Sahni
 - (C) P. Maheswari
 - (D) S. R. Kashyap
46. Enzyme used in PCR is
- (A) RNA-polymerase
 - (B) Taq polymerase
 - (C) DNA-ligase
 - (D) Restriction endonuclease
47. *Bt* cotton is a genetically engineered plant with one of the following traits
- (A) Drought tolerance
 - (B) Insect pest resistance
 - (C) Herbicide resistance
 - (D) Photoperiod insensitivity
48. The correct sequence of taxa is
- (A) Division, order, class, family
 - (B) Division, class, order, family
 - (C) Class, order, division, family
 - (D) Family, class, order, division

49. Apple belongs to the family
- (A) Apocyanaceae
 - (B) Apiaceae
 - (C) Scrophulariaceae
 - (D) Rosaceae
50. Caryopsis type of fruit is seen in
- (A) Rosaceae
 - (B) Scrophulariaceae
 - (C) Asteraceae
 - (D) Poaceae
51. Phylogenetic system of classification of plants was proposed by
- (A) Bentham and Hooker
 - (B) Engler and Prantl
 - (C) Hutchinson
 - (D) Carl von Linnaeus
52. The most advanced monocotyledonous family is
- (A) Poaceae
 - (B) Orchidaceae
 - (C) Cyperaceae
 - (D) Amaryllidaceae
53. Polyploidy in plants can be induced by treatment with
- (A) Mustard gas
 - (B) Colchicine
 - (C) Nitrous acid
 - (D) Ionizing radiation
54. The culturing of plant cells in liquid medium along with agitation is called
- (A) Hanging drop culture
 - (B) Agarised medium culture
 - (C) Micropropagation
 - (D) Suspension culture

55. Digitalin, is obtained from
- (A) Common foxglove
 - (B) Buckweed
 - (C) Belladonna
 - (D) Sarpagandha
56. The genetic material of Tobacco Mosaic Virus (TMV) is a
- (A) dsDNA
 - (B) ssRNA
 - (C) ssDNA
 - (D) dsRNA
57. In dicotyledonous leaves, stomata are
- (A) Arranged in straight rows
 - (B) Absent
 - (C) Scattered
 - (D) Devoid of guard cells
58. Acid concentration in CAM plants is found to be high during
- (A) Night
 - (B) Dawn
 - (C) Twilight period
 - (D) Daytime
59. IAA is chemically similar to one among the following amino acids
- (A) Proline
 - (B) Methionine
 - (C) Phenylalanine
 - (D) Tryptophan
60. The light reaction in photosynthesis is also called
- (A) TCA cycle
 - (B) Calvin cycle
 - (C) Hill reaction
 - (D) Mendelian cycle

61. Kranz anatomy is a typical character of
- (A) C3 Plants
 - (B) C4 Plants
 - (C) C2 Plants
 - (D) CAM Plants
62. Totipotency means
- (A) Flowering in culture medium
 - (B) Development of fruit from a flower in culture conditions
 - (C) Development of a complete organism from a single cell in culture medium
 - (D) Shoot formation in culture
63. Haploid plants can be obtained from
- (A) Bud culture
 - (B) Leaf culture
 - (C) Root culture
 - (D) Anther Culture
64. Guttation is mainly due to
- (A) Root pressure
 - (B) Transpiration
 - (C) Imbibition
 - (D) Osmosis
65. A cation that is cytotoxic and poisonous to plants is
- (A) Hg
 - (B) K
 - (C) Zn
 - (D) Fe
66. Oxidative phosphorylation occurs during
- (A) Photosynthesis
 - (B) Protein synthesis
 - (C) Lipid synthesis
 - (D) Respiration

67. As an immediate consequence of plasmolysis, a plant cell becomes
- (A) Dead
 - (B) Elongated
 - (C) Flaccid
 - (D) Turgid
68. Which one among the following organic compounds is the most efficient water imbibant?
- (A) Pectin
 - (B) Agar
 - (C) Cellulose
 - (D) Lignin
69. Cross of F1 hybrid with either parent is termed as
- (A) Test cross
 - (B) Single cross
 - (C) Back cross
 - (D) Somatic hybridization
70. Which virus was crystallized for the first time?
- (A) Cauliflower mosaic virus
 - (B) Influenza virus
 - (C) Tomato mosaic virus
 - (D) Tobacco mosaic virus (TMV)
71. Coenocytic condition is found in
- (A) Angiosperm pollen grain
 - (B) *Acetabularia*
 - (C) *Chlamydomonas*
 - (D) Angiosperm apical meristem
72. The stiffness of paddy straw is due to the presence of
- (A) Hard fibres
 - (B) Silicon
 - (C) Collenchyma
 - (D) Stone cells

73. Pollinia are found in one of the following families

- (A) Apocyanaceae
- (B) Cucurbitaceae
- (C) Magnoliaceae
- (D) Asclepidaceae

74. Wheat grain is a/an

- (A) Seed
- (B) Fruit
- (C) Embryo
- (D) Endosperm

75. *Cannabis sativa* is a plant species that yields

- (A) Coir
- (B) Natural oil
- (C) Hemp
- (D) Wood

76. Secondary phloem is nearer to

- (A) Cambium
- (B) Secondary xylem
- (C) Cortex
- (D) Pith

77. Which part of the wood is living?

- (A) Vessels
- (B) Xylem fibres
- (C) Tracheids
- (D) Rays and parenchyma

78. Vestigial stomata are found in

- (A) Floating hydrophytes
- (B) Mesophytes
- (C) Submerged hydrophytes
- (D) Xerophytes

79. The cork of dicots is the derivative of
- (A) Phellogen
 - (B) Phloem
 - (C) Tracheids
 - (D) Vascular cambium
80. A pollen grain is best defined as a
- (A) Partially developed embryo
 - (B) Partially developed male gametophyte
 - (C) Spore mother cell
 - (D) Male sperm cell
81. In Monocots, male gametophyte is
- (A) Microspore
 - (B) Nucellus
 - (C) Megaspore
 - (D) Tetrad
82. Premature leaf fall is caused due to the deficiency of
- (A) Potassium
 - (B) Phosphorus
 - (C) Nitrogen
 - (D) Calcium
83. The stored food in germinating cotton seed is acted upon by
- (A) Phosphatase
 - (B) Lipase
 - (C) Kinase
 - (D) Trypsin
84. In bacterial photosynthesis, electron donor is
- (A) H_2S
 - (B) NH_2
 - (C) H_2O
 - (D) H_2SO_4

85. Chloroplast contains the maximum quantity of
- (A) Pyruvic carboxylase
 - (B) Hexokinase
 - (C) RuBP carboxylase
 - (D) Pyruvic dehydrogenase
86. Greater growth on the lower surface of a typical leaf is
- (A) Nyctinasty
 - (B) Hyponasty
 - (C) Epinasty
 - (D) Photonasty
87. Photorespiration occurs in
- (A) C₃ plants
 - (B) C₄ plants
 - (C) Insectivorous plants
 - (D) Algae only
88. Water droplets at the tip of the leaf are due to
- (A) Cuticular transpiration
 - (B) Lenticular transpiration
 - (C) Stomatal transpiration
 - (D) Guttation
89. Photosynthesis cannot take place in
- (A) Red light
 - (B) Blue light
 - (C) Ultra-violet light
 - (D) Yellow light
90. Which one among the following is NOT correctly matched?
- (A) Auxin - Cell enlargement
 - (B) Gibberellins - α -Amylase synthesis
 - (C) Cytokinin - Promotes ageing process
 - (D) Ethylene - Fruit ripening

91. The preferred source of Nitrogen for plants is
- (A) Nitrates
 - (B) Nitrites
 - (C) Ammonia
 - (D) Molecular nitrogen
92. Apical dominance in higher plants is due to
- (A) Ethylene
 - (B) Brassinosteroid
 - (C) Cytokinin
 - (D) Auxin
93. Most of the desert plants bloom during night time because
- (A) Blooming is regulated by low temperature
 - (B) They are sensitive to the phases of moon
 - (C) Desert insects eat away flowers during day time
 - (D) Desert insects are active during night time
94. Exosmosis takes place when a plant cell is placed in
- (A) Hypertonic solution
 - (B) Hypotonic solution
 - (C) Isotonic solution
 - (D) Non-ionic solution
95. In mitochondria, cytochrome oxidase is present in
- (A) Outer membrane
 - (B) Perimitochondrial space
 - (C) Matrix
 - (D) Inner membrane
96. In which of the following wavelengths, photosystem I is inactive?
- (A) 690 nm
 - (B) 550 nm
 - (C) 780 nm
 - (D) 680 nm

97. Which one of the following is a protozoan disease?
- (A) Polio
 - (B) Arthritis
 - (C) AIDS
 - (D) Malaria
98. LSD is obtained from
- (A) *Cannabis sativa*
 - (B) *Cannabis indica*
 - (C) *Claviceps purpurea*
 - (D) *Pseudomonas putida*
99. To obtain virus free healthy plants from a diseased one by tissue culture technique, which part of the diseased plant will be cultured?
- (A) Palisade parenchyma
 - (B) Spongy parenchyma
 - (C) Apical meristem
 - (D) Epidermis
100. Cloves are obtained from
- (A) Seed
 - (B) Fruit
 - (C) Seed coat
 - (D) Flower bud
101. Somatic hybridization is a technique of
- (A) Artificial pollination
 - (B) Fusion of somatic cells
 - (C) Natural pollination
 - (D) Natural breeding
102. If the root of a flowering plant has 36 chromosomes in its cells, then how many chromosomes are present in its gametes?
- (A) 24
 - (B) 16
 - (C) 18
 - (D) 12

103. The process of embryo formation without fertilization is known as
- (A) Apospory
 - (B) Apogamy
 - (C) Parthenocarpy
 - (D) Polyembryony
104. Multiplication of DNA is termed as
- (A) Inversion
 - (B) Transcription
 - (C) Translation
 - (D) Replication
105. The lac operon is turned on when allolactose molecules bind to
- (A) Promoter site
 - (B) Operator site
 - (C) Repressor protein
 - (D) mRNA
106. What is common between chloroplasts, chromoplasts and leucoplasts?
- (A) Ability to multiply by a fission like process
 - (B) Absence of pigments
 - (C) Absence of thylakoids and grana
 - (D) Storage of starch, proteins and lipids
107. Potometer works on the principle of
- (A) Osmotic pressure
 - (B) Potential difference between the tip of the tube and that of the plant
 - (C) Amount of water absorbed equals the amount transpired
 - (D) Root pressure
108. Which one of the following is NOT true for enzymes?
- (A) They act on a specific substrate
 - (B) They are made up of sugars
 - (C) They act optimally at a specific temperature
 - (D) They act optimally at a specific pH

109. The chromosome with centromere near the end is called
- (A) Telocentric
 - (B) Metacentric
 - (C) Acrocentric
 - (D) Meiotic
110. The translocation of organic solutes in sieve tubes is supported by
- (A) Root pressure and transpiration pull
 - (B) Evaporation
 - (C) Mass-flow involving carrier proteins and energisation by ATP
 - (D) Cytoplasmic streaming
111. Photoperiodism was first characterized in
- (A) Tobacco
 - (B) Potato
 - (C) Tomato
 - (D) Cotton
112. From which cells of embryo, plumule is produced?
- (A) Proembryo
 - (B) Hypophysis
 - (C) Apical octant
 - (D) Micropylar octant
113. Multiple phenotype is seen in
- (A) Pleiotropy
 - (B) Incomplete dominance
 - (C) Multiple allelism
 - (D) Polygenic inheritance
114. To determine heterozygosity of a cross, one has to perform
- (A) Back cross
 - (B) Test cross
 - (C) Reciprocal cross
 - (D) Somatic hybridization

115. Which of the following is not a viral symptom?
- (A) Mosaic
 - (B) Canker
 - (C) Vein clearing
 - (D) Vein banding
116. The largest ovule in plant kingdom is present in
- (A) *Cycas revoluta*
 - (B) *Cycas circinalis*
 - (C) *Pinus sylvestris*
 - (D) *Ephedra gerardiana*
117. The cell that exhibits 'Totipotency' is
- (A) Sclerenchyma cells
 - (B) Collenchyma cells
 - (C) Parenchyma cells
 - (D) Xylem vessel
118. *Laminaria* is an important source of
- (A) Agar-agar
 - (B) Gelatin
 - (C) Iodine
 - (D) Antibiotic
119. Moisture absorbing roots are seen in
- (A) Vanda
 - (B) Banyan
 - (C) Beet root
 - (D) Carrot
120. Wide variety of plants are observed in this part of the world
- (A) Tropical regions
 - (B) Temperate regions
 - (C) Near polar regions
 - (D) High altitude areas

121. Plasmodesmata connect neighbouring cells forming a/an
- (A) Apoplast
 - (B) Symplast
 - (C) Protoplast
 - (D) Tonoplast
122. Acid rain is due to the emission of
- (A) Oxides of sulphur
 - (B) Oxides of nitrogen
 - (C) CFC
 - (D) Oxides of sulphur and nitrogen
123. Large scale clonal propagation practically means raising a genetically homogeneous population of plantlets from
- (A) A single cell
 - (B) A single explant
 - (C) Many explants from a single plant
 - (D) Many explants from a group of plants
124. For scaling up of a bioreactor, the following parameter is assumed to be constant
- (A) Air flow rate
 - (B) Diameter of the impeller
 - (C) Agitator speed
 - (D) Volumetric mass transfer coefficient
125. Expression profiling of hundreds of different genes in DNA microarray technology is monitored by using
- (A) Radioactive probe
 - (B) Visible chromogenic probe
 - (C) Fluorescent probe
 - (D) UV absorbing sensors
126. The method used for the prediction of 3D-structure of a protein from known structures of one or more related proteins is
- (A) Multiple sequence alignments
 - (B) Homology modeling
 - (C) Phylogeny
 - (D) Docking

127. Law of inheritance of acquired characters is termed as
- (A) Lamarckism
 - (B) Darwinism
 - (C) Neo-Lamarckism
 - (D) Neo-Darwinism
128. Electric potential of the brain is recorded by
- (A) CT – scan
 - (B) Sphygmomanometer
 - (C) ECG
 - (D) EEG
129. Desired improved varieties of economically useful crops are raised by
- (A) Migration
 - (B) Application of biofertilizers
 - (C) Hybridization
 - (D) Natural selection
130. The Ti-plasmid which is often used for making transgenic plants is found in
- (A) *Azotobacter* sp.
 - (B) *Agrobacterium tumefaciens*
 - (C) *Rhizobium* sp.
 - (D) Yeast
131. Which one among the following radioisotopes is not suitable for DNA labeling based studies?
- (A) ^3H
 - (B) ^{32}P
 - (C) ^{15}N
 - (D) ^{35}S
132. Diameter of DNA is constant due to
- (A) Hydrogen bond between base pairs
 - (B) Phosphodiester bond
 - (C) Disulphide bond
 - (D) Covalent bonds

133. The chemiosmotic coupling hypothesis of oxidative phosphorylation proposes that Adenosine Triphosphate is formed because
- (A) High energy bonds are formed in mitochondrial proteins
 - (B) A proton gradient is formed across the inner membrane
 - (C) ADP is pumped out of the matrix into the intermembrane space
 - (D) There is a change in the permeability of the inner mitochondrial membrane towards ADP
134. The pigment involved in photomorphogenetic movement is
- (A) Cytochrome
 - (B) Carotenoids
 - (C) Xanthophyll
 - (D) Phytochrome
135. *Cycas revoluta* is popularly known as
- (A) Royal palm
 - (B) Sea palm
 - (C) Date palm
 - (D) Sago palm
136. Peat moss is
- (A) *Funaria* sp.
 - (B) Fern
 - (C) *Sphagnum* sp.
 - (D) *Anthoceros* sp.
137. Classification based on chromosome number is
- (A) Cytotaxonomy
 - (B) Numerical taxonomy
 - (C) Karyotaxonomy
 - (D) Molecular taxonomy
138. Which family is known as cotton family?
- (A) Fabaceae
 - (B) Malvaceae
 - (C) Solanaceae
 - (D) Musaceae

139. Epicalyx seen in the members of Malvaceae is a whorl of
- (A) Bracteoles
 - (B) Bracts
 - (C) Stamens
 - (D) Tepals
140. A typical angiospermic embryo sac is usually
- (A) one celled
 - (B) two celled
 - (C) four celled
 - (D) seven celled
141. Bioassay for auxin is
- (A) *Avena* curvature test
 - (B) Iodine test
 - (C) Dwarf maize test
 - (D) Cell division test
142. The energy source which is not useful to perform metabolic functions of living cells is
- (A) Sun light
 - (B) ATP
 - (C) Lipids
 - (D) Heat
143. The most successful vector employed in higher plants is
- (A) Ti-plasmid
 - (B) pBR 322
 - (C) SV 40
 - (D) CaMV
144. Pseudo-fossils are
- (A) False image of actual fossils
 - (B) False image of minerals in rock crevices
 - (C) Mummified plants
 - (D) Coral reefs

145. Heterocysts are found in
- (A) *Cystocarp* sp.
 - (B) *Aspergillus* sp.
 - (C) *Nostoc* sp.
 - (D) *Ulothrix* sp.
146. Invertase, amylase and cellulase are
- (A) Oxidoreductases
 - (B) Hydrolases
 - (C) Isomerases
 - (D) Transferases
147. In Bacteria, sex is determined by the presence of
- (A) Pili
 - (B) Flagella
 - (C) Mesosomes
 - (D) Episomes
148. The oldest method of plant breeding is
- (A) Introduction
 - (B) Selection
 - (C) Hybridization
 - (D) Mutation breeding
149. Which part of a virus usually enters the host?
- (A) Envelope
 - (B) Capsid
 - (C) Nucleic acid
 - (D) All together
150. Super-coiled structure of DNA is unwound by
- (A) Deoxyribonuclease
 - (B) DNA ligase
 - (C) DNA polymerase III
 - (D) DNA gyrase

ANSWER KEY**Subject Name: 602 BOTANY**

SI No.	Key	SI No.	Key	SI No.	Key	SI No.	Key	SI No.	Key
1	C	31	C	61	B	91	A	121	B
2	A	32	A	62	C	92	D	122	D
3	C	33	B	63	D	93	A	123	C
4	B	34	D	64	A	94	A	124	D
5	A	35	B	65	A	95	D	125	C
6	D	36	B	66	D	96	C	126	B
7	C	37	C	67	C	97	D	127	A
8	A	38	C	68	B	98	C	128	D
9	A	39	B	69	C	99	C	129	C
10	A	40	B	70	D	100	D	130	B
11	C	41	D	71	B	101	B	131	D
12	A	42	C	72	B	102	C	132	A
13	A	43	D	73	D	103	C	133	B
14	A	44	C	74	B	104	D	134	D
15	C	45	B	75	C	105	C	135	D
16	C	46	B	76	A	106	A	136	C
17	B	47	B	77	D	107	C	137	A
18	D	48	A	78	C	108	B	138	B
19	B	49	D	79	A	109	C	139	A
20	C	50	D	80	B	110	C	140	D
21	D	51	C	81	A	111	A	141	A
22	A	52	B	82	C	112	C	142	D
23	A	53	B	83	B	113	A	143	A
24	A	54	D	84	A	114	B	144	B
25	A	55	A	85	C	115	B	145	C
26	C	56	B	86	B	116	B	146	B
27	A	57	C	87	A	117	C	147	D
28	B	58	A	88	D	118	C	148	B
29	B	59	D	89	C	119	A	149	C
30	C	60	C	90	C	120	A	150	D