

**BOTANY**  
**(FINAL)**

1. The transfer of genetic material from one bacterium to another through the mediation of virus vector is termed as
  - (A) transduction
  - (B) conjugation
  - (C) transformation
  - (D) translation
  
2. Amitosis usually occurs in
  - (A) eukaryotic cells
  - (B) prokaryotic cells
  - (C) meristems
  - (D) microspore mother cells
  
3. Root cap in monocots is formed by
  - (A) dermatogen
  - (B) calyptragen
  - (C) vascular cambium
  - (D) wound cambium
  
4. Placenta is attached to the developing seeds adjacent to
  - (A) testa
  - (B) hilum
  - (C) micropyle
  - (D) chalaza
  
5. In most of the green algae, pyrenoids are located in
  - (A) chloroplasts
  - (B) mitochondria
  - (C) cytosol
  - (D) nucleus
  
6. Hydroponics was first demonstrated by
  - (A) M. Calvin
  - (B) Julius Von Sachs
  - (C) Arnon
  - (D) Hoagland

7. It is known that an embryo may sometimes develop from any cell of embryo sac other than the egg. This phenomenon is termed as
- (A) apospory
  - (B) apogamy
  - (C) parthenogenesis
  - (D) parthenocarpy
8. Fungi producing eight spores in special sacs belong to the class
- (A) Phycomycetes
  - (B) Ascomycetes
  - (C) Basidiomycetes
  - (D) Deuteromycetes
9. Seed setting takes place in ..... even in the absence of pollination
- (A) Commelina
  - (B) Zostera
  - (C) Salvia
  - (D) Fig
10. A tobacco plant heterozygous for a recessive character is self-pollinated and 1200 seeds are subsequently germinated. How many seedlings would have the parental genotype?
- (A) 1250
  - (B) 600
  - (C) 300
  - (D) 2250
11. While isolating DNA from bacteria, which one among the following enzymes is **NOT** used?
- (A) Lysozyme
  - (B) Ribonuclease
  - (C) Deoxyribonuclease
  - (D) Protease
12. Growth of pollen tube towards embryo sac is
- (A) Thermotactic
  - (B) Phototactic
  - (C) Chemotactic
  - (D) Thigmotactic

13. Which of the following is a source of single cell protein?
- (A) *Bacillus thuringiensis*
  - (B) *Azospirillum*
  - (C) *Saccharomyces cerevisiae*
  - (D) *Spirulina sp.*
14. Totipotency is exhibited by
- (A) Gymnosperms
  - (B) All plant cells
  - (C) Only bacterial cells
  - (D) All eukaryotic cells
15. The insecticidal protein synthesized by Bt cotton binds to the
- (A) foregut epithelial cells
  - (B) midgut mesothelial cells
  - (C) midgut epithelial cells
  - (D) hindgut mesothelial cells
16. The term used to refer to the use of bio-resource(s) by MNC's, corporate sector and other organisations without proper authorisation from the countries and without a clause for inbuilt compensatory payment is
- (A) Bioprospecting
  - (B) Biopiracy
  - (C) Biofortification
  - (D) Bioinformatics
17. Global agreement to reduce Ozone Depletion in the Stratosphere (ODS) is
- (A) Vienna convention
  - (B) Rio de Janeiro Conference
  - (C) Kyoto protocol
  - (D) Montreal protocol
18. Marginal placentation is generally found in the family
- (A) Leguminosae
  - (B) Cucurbitaceae
  - (C) Malvaceae
  - (D) Brassicaceae

19. The function of glyoxysome is related to
- (A) Protein metabolism
  - (B) Carbohydrate metabolism
  - (C) Fat metabolism
  - (D) Protein synthesis
20. Primers are
- (A) Chemically synthesised oligonucleotides that are complementary to the regions of DNA
  - (B) Chemically synthesised oligonucleotides that are not complementary to the regions of DNA
  - (C) Chemically synthesised, autonomously replicating circular DNA molecules
  - (D) Specific sequences present on recombinant DNA
21. In pBR322, tetracycline resistance gene has recognition site for which of the following restriction endonucleases?
- (A) Hind III
  - (B) BamHI
  - (C) EcoRI
  - (D) PstI
22. The term 'systematics' refers to
- (A) Identification and study of organ system
  - (B) Identification and preservation of plants and animals
  - (C) Diversity of organisms and their relationship
  - (D) Study of habitats of organisms and their classification
23. Coralloid roots of which one among the following gymnosperms have symbiotic association with  $N_2$  – fixing cyanobacteria?
- (A) Pinus
  - (B) Cedrus
  - (C) Cycas
  - (D) Ginkgo
24. During which phase of the cell cycle does DNA replication take place?
- (A)  $G_0$
  - (B)  $G_1$
  - (C) S
  - (D)  $G_2$

25. Necrosis refers to
- (A) inhibition of cell division
  - (B) delay in flowering
  - (C) death of tissues
  - (D) falling of leaves
26. Protozoans reproduce by binary fission. Starting with 1 protozoan, what will be the number of protozoans in its population after six generations?
- (A) 128
  - (B) 24
  - (C) 64
  - (D) 32
27. Canada balsam, a mounting agent used in the making of permanent slides, is obtained from the species of
- (A) *Abies*
  - (B) *Cedrus*
  - (C) *Pinus*
  - (D) *Juniperus*
28. Mass flow hypothesis was proposed by
- (A) Swanson
  - (B) Buchman
  - (C) Kursanov
  - (D) Munch
29. Nicotinamide adenine dinucleotide (NAD) contains which one among the following Vitamins?
- (A) Thiamine
  - (B) Niacin
  - (C) Riboflavin
  - (D) Vitamin B
30. Bud dormancy is induced by
- (A) IAA
  - (B) GA<sub>3</sub>
  - (C) ABA
  - (D) C<sub>2</sub>H<sub>4</sub>

31. Syngenesious condition of stamens is found in which one of the following families of flowering plants?
- (A) Asteraceae
  - (B) Liliaceae
  - (C) Cruciferae
  - (D) Malvaceae
32. The bulliform cells of leaves loose their turgidity during excessive
- (A) assimilation
  - (B) transpiration
  - (C) photosynthesis
  - (D) respiration
33. Photochemical phase does not include
- (A) Light absorption
  - (B) Water splitting and O<sub>2</sub> release
  - (C) ATP and NADPH formation
  - (D) CO<sub>2</sub> fixation
34. Who is the father of genetic engineering?
- (A) Steward Linn
  - (B) Stanley Cohen
  - (C) Paul Berg
  - (D) Kary Mullis
35. In lac operon model, lactose function as
- (A) Inducer that binds to operator gene
  - (B) Repressor that binds to operator gene
  - (C) Inducer that binds to repressor protein
  - (D) Co- repressor that binds to repressor protein
36. Flavr Savr tomato possesses increased
- (A) productivity
  - (B) vigour
  - (C) shelf life
  - (D) flowering period

37. In India, tropical forests are found in
- (A) Jammu and Kashmir
  - (B) Rajasthan
  - (C) Kerala and Assam
  - (D) New Delhi
38. UNEP stands for
- (A) United Nations Ecotype Programme
  - (B) United Nations Ecological Programme
  - (C) United Nations Education Programme
  - (D) United Nations Environment Programme
39. Edaphic factor refers to
- (A) water
  - (B) soil
  - (C) relative humidity
  - (D) altitude
40. When we homogenize any tissue in acidic medium, the acid soluble fraction represents
- (A) cytoplasm
  - (B) cell membrane
  - (C) nucleus
  - (D) mitochondria
41. Golden rice is yellow in colour due to the presence of
- (A) Riboflavins
  - (B) Beta carotene
  - (C) Vitamin B<sub>1</sub>
  - (D) Complex genetic material
42. Which of the following is a triglyceride?
- (A) Wax
  - (B) Phospholipid
  - (C) Oil
  - (D) Steroid

43. Most widely employed compound as a source of  $C_2H_4$  is
- (A) kinetin
  - (B)  $GA_3$
  - (C) IBA
  - (D) ethephon
44. Father of Indian embryology is
- (A) P. Maheshwari
  - (B) M. S. Swaminathan
  - (C) Shipra Guha-Mukherjee
  - (D) J. P. Khurana
45. PEP is primary  $CO_2$  acceptor in
- (A)  $C_4$  plants
  - (B)  $C_3$  plants
  - (C)  $C_2$  plants
  - (D) Hydrophytes
46. Which light is least effective in driving photosynthesis?
- (A) Blue
  - (B) Green
  - (C) Red
  - (D) Violet
47. Best material to study meiosis is
- (A) root tip
  - (B) ovary
  - (C) young anther
  - (D) pollen grain
48. Chromosome duplication without nuclear division refers to
- (A) mitosis
  - (B) meiosis
  - (C) androgenesis
  - (D) endomitosis



49. If some solute is dissolved in pure water, its water potential
- (A) remains same
  - (B) increases
  - (C) decreases
  - (D) first decreases then increases
50. The cofactor of nitrate reductase is
- (A) Cu
  - (B) Zn
  - (C) Ca
  - (D) Mo
51. During complete metabolism of 1 molecule of glucose, the number of ATP formed is
- (A) 2
  - (B) 12
  - (C) 36
  - (D) 44
52. How many fragments will be generated on the digestion of a closed circular DNA molecule with a restriction enzyme having six recognition sites on the DNA?
- (A) 5
  - (B) 7
  - (C) 6
  - (D) 9
53. The prokaryotic cell lacks
- (A) Plasma membrane
  - (B) Cell wall
  - (C) Nuclear membrane
  - (D) DNA
54. Nucleolus was discovered by
- (A) Robert brown
  - (B) Fontana
  - (C) Leeuwenhoek
  - (D) De Duve

55. In contrast to animal cells, the cytokinesis in plant cells involves the formation of a
- (A) Cleavage furrow
  - (B) Cellplate
  - (C) Nuclear envelop
  - (D) Mitotic spindle
56. The function of chromosomes in the transmission of hereditary traits was described by
- (A) Flemming
  - (B) Waldeyer
  - (C) Miller
  - (D) Morgan
57. "A cell can arise only from a pre existing cell"- is the statement of
- (A) Cell theory
  - (B) Cell linkage theory
  - (C) Law of heredity
  - (D) Cell wall theory
58. The movement of solutes against concentration gradient is called
- (A) Active transport
  - (B) Endocytosis
  - (C) Exocytosis
  - (D) Osmosis
59. Exarch xylem is a feature of
- (A) monocot stem
  - (B) monocot and dicot root
  - (C) monocot and dicot stem
  - (D) dicot leaf
60. Root apex differs from stem apex in having
- (A) pleuron
  - (B) dermatogen
  - (C) periblem
  - (D) root cap

61. Cap cells are found in
- (A) Oedogonium
  - (B) Cladophora
  - (C) Ficus
  - (D) Diatoms
62. Heterothallism in fungi was discovered by
- (A) Watson and Crick
  - (B) Robert Hook
  - (C) Saccardo
  - (D) Blakeslee
63. The chloplast of *Ulothrix* sp. is
- (A) Ribbon shaped
  - (B) Cup shaped
  - (C) Reticulate
  - (D) Fan shaped
64. Fungi which grow on dung are called
- (A) Corticolous
  - (B) Coprophilous
  - (C) Saxicolous
  - (D) Xylophilous
65. Peristome teeth is the characteristic feature of the capsule in one among the following bryophytes. Identify
- (A) Riccia
  - (B) Marchantia
  - (C) Funaria
  - (D) Anthoceros
66. Cycas and Adiantum resemble each in having
- (A) Seeds
  - (B) Cambium
  - (C) Vessels
  - (D) Motile sperms

67. Semiconservative mode of DNA replication was proved by
- (A) Watson and Crick
  - (B) H. Khorana
  - (C) Lederberg
  - (D) Meselson and Stahl
68. The mechanism of DNA replication was originally characterized in
- (A) Bacteria
  - (B) Algae
  - (C) Fungi
  - (D) Virus
69. Pathogenicity is the
- (A) ability to cause disease
  - (B) degree of disease
  - (C) virulence
  - (D) quality of disease
70. Which organelle(s) require(s) intact membrane system for ATP synthesis?
- (A) Chloroplast
  - (B) Mitochondria
  - (C) Chloroplast and mitochondria
  - (D) Endoplasmic reticulum
71. Which of the following is not an organic substance?
- (A) Water
  - (B) Glucose
  - (C) Phospholipid
  - (D) DNA
72. Which of the following contains thymine?
- (A) DNA
  - (B) rRNA
  - (C) tRNA
  - (D) mRNA

73. The replication is
- (A) bidirectional
  - (B) unidirectional
  - (C) faster in eukaryotes
  - (D) slower in prokaryotes
74. What is a codon?
- (A) A sequence of 3 deoxyribonucleotides
  - (B) A sequence of 3 ribonucleotides
  - (C) A unit of Mutation
  - (D) A sequence of 4 ribonucleotides
75. The spores of diatoms resulting from syngamy are called
- (A) Autospore
  - (B) Auxospore
  - (C) Androspore
  - (D) Zygospor
76. *Kelps* are
- (A) Fresh water algae
  - (B) Marine algae
  - (C) Fungi
  - (D) Lichens
77. The Protonema is a stage in the life cycle of
- (A) *Riccia*
  - (B) *Funaria*
  - (C) *Ginko*
  - (D) *Cycas*
78. In Pteridophytes, reduction division occurs during the formation of
- (A) spores
  - (B) gametes
  - (C) prothallus
  - (D) sex organs

79. Which one among the following is **NOT** a true fruit?
- (A) Plum
  - (B) Dates
  - (C) Grape
  - (D) Apple
80. Besides carbohydrates, a major source of energy in human food is constituted by
- (A) Vitamins
  - (B) Minerals
  - (C) Phytohormones
  - (D) Proteins
81. *Cuscuta* is a
- (A) Partial root parasite
  - (B) Complete root parasite
  - (C) Partial stem parasite
  - (D) Complete stem parasite
82. Bio-diesel is mostly produced from the members of
- (A) Liliaceae
  - (B) Malvaceae
  - (C) Myrtaceae
  - (D) Euphorbiaceae
83. Protein part of the enzyme is known as
- (A) Holoenzyme
  - (B) Apoenzyme
  - (C) Isoenzyme
  - (D) Co-factor
84. Curcumin is isolated from
- (A) garlic
  - (B) turmeric
  - (C) sunflower
  - (D) rose flower

85. Non-green heterotrophic organisms which were previously included under plant kingdom are
- (A) fungi
  - (B) algae
  - (C) ferns
  - (D) mosses
86. All the progeny obtained from a single plant by vegetative propagation are called
- (A) clones
  - (B) pure line
  - (C) inbred line
  - (D) pedigree line
87. The dried flower buds are used as a spice in
- (A) Saffron
  - (B) Cloves
  - (C) Cinnamon
  - (D) Cardamom
88. Lichens indicate pollution by
- (A) O<sub>3</sub>
  - (B) SO<sub>2</sub>
  - (C) NO<sub>2</sub>
  - (D) CO
89. One among the following is **NOT** a phytohormone
- (A) Acetic acid
  - (B) Auxins
  - (C) Gibberellins
  - (D) Ethylene
90. Cryopreservation is a technique used for
- (A) crystallization of food
  - (B) food packaging
  - (C) germplasm conservation
  - (D) preservation of surplus vegetables

91. Greenhouse effect is related to
- (A) increased growth of green algae
  - (B) global warming
  - (C) in-house vegetable cultivation
  - (D) development of terrace gardens
92. Most abundant water pollutant is
- (A) Detergents
  - (B) Pesticides
  - (C) Industrial wastes
  - (D) Ammonia
93. Photosystem I and Photosystem II are found in
- (A) Stroma and chloroplast
  - (B) Grana of chloroplast
  - (C) Matrix of mitochondria
  - (D) Inner membrane of mitochondria
94. Phytochrome is spectrally a chromoprotein with following absorption characteristics
- (A) red/far-red
  - (B) blue/yellow-green
  - (C) brown/yellow
  - (D) green /yellow
95. The cell wall in majority of fungi is made of
- (A) Chitin
  - (B) Cellulose
  - (C) Hemicellulose
  - (D) Lignin
96. National Park is an example of
- (A) *In vitro* conservation
  - (B) *Ex situ* conservation
  - (C) *In situ* conservation
  - (D) Total loss of biodiversity



97. The term 'New systematics' was coined by
- (A) Linnaeus
  - (B) Bentham and Hooker
  - (C) A. P. de Candolle
  - (D) Juliane Huxley
98. The study of a species in relation to its environment is known as
- (A) Autecology
  - (B) Mutualism
  - (C) Altruism
  - (D) Tropism
99. Gram staining is performed based on the biochemical composition of one of the following subcellular constituents
- (A) bio membrane
  - (B) genome
  - (C) cell wall
  - (D) ribosomes
100. Which of the following is **FALSE** with respect to prokaryotes?
- (A) They consist of bacteria and archaea
  - (B) Most are unicellular
  - (C) They have no cell nucleus
  - (D) Cell division occurs by mitosis and meiosis
101. Which stage is marked by terminalization of chiasmata?
- (A) Zygotene
  - (B) Pachytene
  - (C) Diplotene
  - (D) Diakinesis
102. Synapsis occurs between
- (A) two homologous chromosomes
  - (B) spindle fibre and centromere
  - (C) nucleus and ribosomes
  - (D) mRNA and ribosomes

103. Sex determination was first studied in
- (A) *Mirabilis*
  - (B) *Melandrium*
  - (C) *Datura*
  - (D) *Rumex*
104. Pseudogenes are
- (A) non-functional
  - (B) non-existent
  - (C) existent in plants only
  - (D) cannot be sequenced
105. Polyploidy is induced by
- (A) irradiation
  - (B) colchicine
  - (C) mutagenic chemicals
  - (D) C<sub>2</sub>H<sub>4</sub>
106. What is a nucleoside?
- (A) Pyrimidine + purine + phosphate
  - (B) Purine + sugar + phosphate
  - (C) Purine/ Pyrimidine + phosphate
  - (D) Purine/ Pyrimidine + Sugar
107. Plant development is influenced by
- (A) quality of light only
  - (B) quality and quantity of light
  - (C) quality and duration of light
  - (D) quality, quantity, and duration of light
108. Primary phloem develops from
- (A) lateral meristem
  - (B) protoderm
  - (C) extrastelar cambium
  - (D) provascular tissue

109. Plants growing under very dry conditions are known as
- (A) xerophytes
  - (B) mesophytes
  - (C) lithophytes
  - (D) hydrophytes
110. Monocot root differs from dicot root in having
- (A) open vascular bundles
  - (B) scattered vascular bundles
  - (C) well-developed pith
  - (D) radially arranged vascular bundles
111. Which one among the following is a hereditary material in higher organisms and contains the genetic information which is passed on from one generation to another?
- (A) RNA
  - (B) DNA
  - (C) mRNA
  - (D) sRNA
112. Who discovered the nucleus?
- (A) Albert Einstein
  - (B) Isaac Newton
  - (C) Robert Brown
  - (D) Robert Hooke
113. The term ethnobotany was coined by
- (A) Sir Alexander Fleming
  - (B) John W. Harshberger
  - (C) C.J. Alexopoulos
  - (D) J.W Webster
114. The study of medicinal plants is known as
- (A) pharmabryology
  - (B) pharmamycology
  - (C) pharmacology
  - (D) pharmacognosy

115. Pods as fruits are the characteristic feature of one among the following families. Identify
- (A) Solanaceae
  - (B) Rosaceae
  - (C) Poaceae
  - (D) Fabaceae
116. In higher plants, root cap functions in the perception of gravity due to
- (A) mucilage
  - (B) nitrifying bacteria
  - (C) amyloplasts
  - (D) cell wall
117. A food chain describes the pathway of
- (A) transformation
  - (B) energy flow
  - (C) consumption
  - (D) regeneration
118. *Pseudomonas* and *Clostridium* perform
- (A) evaporation
  - (B) nitrification
  - (C) denitrification
  - (D) photorespiration
119. The culture of plant cells in liquid-agitated medium is called
- (A) hydroponics
  - (B) mericlone
  - (C) micropropagation
  - (D) suspension culture
120. Plants adapted to low light intensity generally have
- (A) extended root system
  - (B) CAM pathway of photosynthesis
  - (C) larger size of photosynthetic unit
  - (D) leaves modified to spines

121. Photoperiodism was discovered by
- (A) Dutrochet and Overbeek
  - (B) Bose and Blackman
  - (C) Went and Paal
  - (D) Garner and Allard
122. In Gymnosperms, the female gametophyte develops from the
- (A) nucellus cells
  - (B) haploid megaspore mother cell
  - (C) haploid megaspore
  - (D) diploid megaspore
123. The enzyme responsible for the reduction of nitrogen into ammonia during biological nitrogen fixation is
- (A) nitrogenase
  - (B) nitrate reductase
  - (C) dinitrogenase
  - (D) hydrogenase
124. Binary fission in bacteria involves all of the following except
- (A) DNA duplication
  - (B) spindle formation
  - (C) cell elongation
  - (D) cytokinesis
125. Mendel emasculated garden pea plants during his experiments on heredity. Emasculation is the
- (A) removal of flower buds
  - (B) removal of anthers before dehiscence
  - (C) removal of carpels before dehiscence
  - (D) removal of mature flowers
126. Agrobacterium-based gene transfer is efficient
- (A) only with dicots
  - (B) only with monocots
  - (C) with both monocots and dicots
  - (D) with gymnosperms

127. The process by which pollen tube enters the ovary through integument is called
- (A) porogamy
  - (B) chalazogamy
  - (C) mesogamy
  - (D) isogamy
128. cDNA is synthesized from
- (A) protein chain
  - (B) tRNA
  - (C) mRNA
  - (D) dsDNA
129. The first green plants and fungi appeared on land during the period of
- (A) ediacaran
  - (B) devonian
  - (C) orosirian
  - (D) ordovician
130. Mycoplasmas are different from other prokaryotes in the
- (A) presence of chitin in cell wall
  - (B) absence of the cell wall
  - (C) presence of murein in cell wall
  - (D) presence of proteins in cell wall
131. Fruits in the members of Solanaceae family are
- (A) Capsule or berry
  - (B) Pod
  - (C) Drupe
  - (D) Siliqua
132. The small outgrowth on the adaxial surface of leaf at the junction with the leaf sheath in grasses is called
- (A) Tapetum
  - (B) Gemmae
  - (C) Ligule
  - (D) Sori

133. Protective covering over the radicle formed during seed germination is
- (A) Suspensor
  - (B) Epithelium
  - (C) Coleorhiza
  - (D) Coleoptile
134. Mushrooms are a good source of
- (A) lipids
  - (B) monosaccharides
  - (C) protein
  - (D) disaccharide
135. Who amongst the following is regarded as "Father of Indian Bryology"?
- (A) K.C. Mehta
  - (B) D.D. Pant
  - (C) S.R. Kashyap
  - (D) P.N. Mehra
136. The largest bryophyte is
- (A) *Funaria*
  - (B) *Marchantia*
  - (C) *Megaceros*
  - (D) *Dawsonia*
137. Who amongst the following is regarded as "Father of Indian Lichenology"?
- (A) D. D. Awasthi
  - (B) D. Upreti
  - (C) Sajeeva Nayaka
  - (D) Gaurav acharya
138. Usnea is a ..... type of lichen
- (A) foliose
  - (B) crustose
  - (C) filamentous
  - (D) fruticose

139. In lichens, sexual reproduction is carried out by
- (A) algae
  - (B) fungi
  - (C) both algae and fungi
  - (D) bryophytes
140. A characteristic feature of the lysosome is that it has
- (A) lower pH than the cytoplasm
  - (B) reduced hydrolase activity
  - (C) genetic material
  - (D) ribosomes
141. Which one among the following pairs do not produce seeds?
- (A) Fern and Funaria
  - (B) Ficus and Chlamydomonas
  - (C) Punica and Pinus
  - (D) Funaria and Ficus
142. Ergot is obtained from
- (A) *Rhizopus*
  - (B) *Claviceps*
  - (C) *Albugo*
  - (D) *Phytomonas*
143. The National Herbarium of India is at
- (A) Bombay
  - (B) Kolkata
  - (C) Chennai
  - (D) New Delhi
144. The attraction between water molecules is called
- (A) Cohesion
  - (B) Osmosis
  - (C) Adhesion
  - (D) Surface Tension



145. The initial CO<sub>2</sub> acceptor in CAM plants is
- (A) RuBp
  - (B) PEP
  - (C) IAA
  - (D) Pyruvate
146. The optimum pH for plant tissue culture medium is
- (A) 7.5
  - (B) 8
  - (C) 5.7
  - (D) 8.5
147. Micropropagation involves culture of
- (A) small explants used for vegetative multiplication of plants
  - (B) microbes used for vegetative multiplication of plants
  - (C) microspores used for vegetative multiplication of plants
  - (D) megaspores and microspores used for non – vegetative multiplication of plants
148. Preserved embryoids are termed as
- (A) Synthetic seeds
  - (B) Semi-synthetic seeds
  - (C) Natural seeds
  - (D) Fermented seeds
149. Solidifying agent employed in plant tissue culture media is
- (A) agar
  - (B) EDTA
  - (C) Cobaltous chloride
  - (D) pectin
150. The function of the centrosome is related to
- (A) protein synthesis
  - (B) osmoregulation
  - (C) secretion
  - (D) formation of spindle fibres

## FINAL ANSWER KEY

**Subject Name: BOTANY**

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