TEACHERS RECRUITMENT BOARD, CHENNAI - 6
Written Competitive Examination for
Recruitment of BRTE in SSA (2008 - 2009)

BOTANY

Time Allowed : 3 Hours

[Maximum Marks : 150]

Each question carries four options namely A, B, C and D. Choose one correct option and mark in appropriate place in the OMR Answer Sheet.

1. Who was the Viceroy of India, when the Rowlatt Act was passed?
   A) Lord Irwin  
   B) Lord Chelmsford
   C) Lord Wavell  
   D) Lord Wellington.

2. Which one of the following is the softest?
   A) Sodium  
   B) Aluminium
   C) Iron  
   D) Lithium.

| Turn over |
3. As a non-member who can participate in the proceedings of either of House of Parliament?
   A) Vice-President  B) Chief Justice
   C) Attorney General  D) Chief Election Commissioner.

4. Which is the river on which Indira Sagar Dam is planned to be constructed?
   A) Mahanadi  B) Godavari
   C) Krishna  D) Narmada.

5. The first astronomer who gave the idea 'The earth rotates on its axis' is
   A) Bhaskara  B) Aryabhatta
   C) Varahamihira  D) Kalpana Chawla.

6. Which one of the following angles cannot be constructed using an unmarked ruler and compass only?
   A) 75°  B) 90°
   C) 50°  D) 22 $\frac{1}{2}$°.
7. For a Frequency Polygon, the points are plotted against
   A) mid-point of the class interval vs frequency
   B) lower limit of the class interval vs frequency
   C) upper limit of the class interval vs frequency
   D) real limit of the class interval vs frequency.

8. AICTE was established in
   A) November, 1945
   B) November, 1955
   C) November, 1985

   AICTE நிறுவப்பட்ட ஆண்டு
   A) 1945
   B) 1955
   C) 1985
   D) 1975.

9. One of the main publications of John Dewey is
   A) Secrets of Childhood
   B) Education Today
   C) Education of Man

   வானவிய விளைவில் பெரிதுற்றுக்கீற்றுக் கதைகளை
   A) குறிப்பிட்ச பலம் குறிப்பிட்சம்
   B) குறிப்பிட்ச தொகுதிகள்
   C) பெரிதுற்றுக்கீற்றுக் கதை
   D) குறிப்பிட்சு புதுப்பிட்டு.

10. According to David Ausubel, “Verbal Learning” is
    A) learning a new language
    B) oral practice
    C) understanding verbal information
    D) passive learning experience.

    ஆசூபேல் ஆல் வென்பேஸ்கில் தொன்றுபெறும் ‘உபர் லேர்னிங்’ கல்வி
    A) புரைப்புணரி முக்கியமான கற்று இந்தியல்
    B) புரைப்புணரி பெரியது
    C) புரைப்புணரி தனியான பிரித்துங்கூர்
    D) பிரித்துங்கூர் கற்று அடைகிறது.
11. The Southern Regional Office of UGC is in
   A) Hyderabad  B) Bangalore
   C) Chennai    D) Mumbai.

12. National Population Policy was evolved in the year
   A) 1976  B) 1979

13. According to Abraham Maslow, 'Self-Actualisation' in the hierarchy is
   A) first step  B) final step
   C) third step  D) fourth step.

14. Who is the author of 'Emile'?
   A) Dewey    B) Bertrand Russell
   C) Froebel   D) Rousseau.

15. The university that has no affiliated colleges is
   A) Madras University
   B) Madurai Kamaraj University
   C) Thanjavur Tamil University
   D) Manonmanium Sundaranar University.
16. Human Rights Day is

A) December 10  
B) December 7  
C) December 26  
D) July 17.

17. Which one of the following models is not on curriculum development?

A) The Tylor model  
B) The Ausubel’s model  
C) The Taba model  
D) The Hunkin’s model.

18. The chief objective of pre-primary education is to promote .................... of the child.

A) physical development  
B) mental development  
C) social development  
D) overall development.

A) ஐல் பலக்கையின் அதிர்விளை
B) மண் பலக்கையின் அதிர்விளை
C) துருண்டு பலக்கையின் அதிர்விளை
D) இணையத்து பலக்கையின் அதிர்விளை.
19. If the teacher finds in learner's activities something new or original, then the child is supposed to be
   A) intelligent               B) creative
   C) critical                 D) motivated.

20. Which one of the following is not a learning domain?
   A) Cognitive domain         B) Psychomotor domain
   C) Physiological domain     D) Affective domain.

21. The technique for analysing the related genes in a DNA restriction fragment is called
   A) Northern blotting        B) Western blotting
   C) PCR                      D) Southern blotting.

22. in protoplast culture .......... is used for the surface sterilization.
   A) Mannitol                 B) Sorbitol
   C) Sodium hypochlorite      D) Polyethylene glycol.
23. Scientific name for white button mushroom is
   A) *Volvariella displasia*  B) *Volvariella valvacea*
   C) *Pleurotus sajor-caju*  D) *Agaricus bisporus*.

24. Which one of the following is used as SCP?
   A) *Spirogyra*  B) *Spirulina*
   C) *Cosmartum*  D) *Frankia*.

25. Another name for introns is
   A) Muton  B) Split genes
   C) Recon  D) Cistron.

26. ICGEB refers to
   A) Indian Council for Genetic Engineering & Biotechnology
   B) Indian Centre for Genetics and Environment Biology
   C) Indian Centre for Genetic Engineering and Biotechnology
   D) International Centre for Genetic Engineering and Biotechnology.

ICGEB என்பது
A) இந்தியக் கணினியியல் நிறுவனம் அரிசுருவியுடன் இந்தியக் கணினியியல் & பொழுதுபாடுகள்
B) இந்தியக் கணினியியல் நிறுவனம் குழுப்புத்தியுடன் அரிசுருவியுடன் இந்தியக் கணினியியல் & பொழுதுபாடுகள்
C) இந்தியக் கணினியியல் நிறுவனம் குழுப்புத்தியுடன் இந்தியக் கணினியியல் முற்பு பொழுதுபாடுகள்
D) இந்தியக் கணினியியல் நிறுவனம் குழுப்புத்தியுடன் இந்தியக் கணினியியல் முற்பு பொழுதுபாடுகள்.
27. Overgrazing, a disturbing phenomenon is categorised under ............ factor.
   A) Edaphic  B) Biotic
   C) Endemic  D) Biotic.

28. Ecological pyramids are otherwise called as
   A) Eltonian pyramids  B) Egyptian pyramids
   C) Modern pyramids  D) Ancient pyramids.

29. Lead toxicity damages
   A) kidney cells  B) muscle tissue
   C) brain cells    D) bone cells.

30. Which one of the following is an indicator of atmospheric pollution?
   A) Yeast  B) Ixora
   C) Lichens    D) Fungl.
31. Vivipary is a phenomenon seen in

A) Hydrophytes  B) Xerophytes  
C) Mesophytes  D) Halophytes.

32. Match and find the sequence of answers from the following codes:

1. Creation of a new forest  (P). Silviculture
2. Removal of forests  (Q). Afforestation
3. Creating an already degraded forest  (R). Deforestation
4. Growing timber trees  (S). Reforestation

Codes:
A) 1 - Q, 2 - R, 3 - S, 4 - P  B) 1 - R, 2 - Q, 3 - P, 4 - S
C) 1 - P, 2 - Q, 3 - R, 4 - S  D) 1 - S, 2 - R, 3 - Q, 4 - P.

33. CAM cycle occurs in plants belonging to the family

A) Poaceae  B) Cyperaceae
C) Orchidaceae  D) Crassulaceae.

CAM முறை .................... காப்பட்டு காத்து தருவாதர்வின் தன்மையும்.

A) காய்ந்து முறை  B) காய்ந்து முறை
C) காய்ந்து முறை D) காய்ந்து முறை.

[ Turn over ]
34. Zeatin is
   A) Auxin  B) Gibberellin
   C) Cytokinin  D) Protein.

35. Cytochromes are a group of
   A) Coenzymes  B) Lipoproteins
   C) Hemoproteins  D) Glycoproteins.

36. GMP means
   A) Genetically Mutilated Plants  B) Guanosine Monophosphate
   C) Gross Monophosphates  D) Guanine Mannose Potassium.

37. Gene mutations are otherwise known as
   A) Deletions  B) Point mutations
   C) Inversions  D) Induced mutations.
38. Sucrose and Maltose are classified under
A) Disaccharides B) Monosaccharides
C) Polysaccharides D) Trisaccharides.

39. Padma, Ratna, Jamuna are important varieties of .......... developed in India.
A) Wheat B) Oats
C) Sugarcane D) Rice.

40. Vavilov, a Russian, is associated with
A) Rice research B) Wheat research
C) Sugarcane research D) Groundnut research.

41. A process in which a new variety establishes to a new environment is known as
A) Selection B) Introduction
C) Acclimatisation D) Mass selection.
42. Groundnut has its origin from
   A) India  B) Brazil
   C) Manila  D) Thailand.

43. Plastid inheritance in plants is categorised under
   A) Polygenic inheritance  B) Extrannuclear inheritance
   C) Mitochondrial inheritance  D) Dominant epistasis.

44. Fluid Mosaic Model of plasma membrane was proposed by
   A) Robertson  B) Schleiden
   C) Singer and Nicolson  D) Danielli.

45. B-chromosomes are found in
   A) Oryza sp.  B) Triticum sp.
   C) Tradescantia sp.  D) Ixora sp.

46. Blending inheritance is otherwise termed as
   A) Law of Dominance  B) Law of Segregation
   C) Incomplete dominance  D) Recessive characters.
47. Spherical bodies of endoplasmic reticulum which synthesize and store lipids are called as

A) Sphaerosomes  
B) Centrosomes  
C) Ribosomes  
D) Nucleosomes.

48. Polytene chromosomes were discovered by

A) Morgan  
B) Muller  
C) Fontana  
D) Balbiani.

49. Presence of phloem wedges in the xylem which are anomalous structures observed in

A) Boerhaavia  
B) Bignonia  
C) Dracaena  
D) Mirabilis.

50. The outermost layer of endosperm that contains protein bodies is called

A) Albuminous cells  
B) Amyloplast  
C) Aleurone layer  
D) Aliform layer.

A) குளையமலையமலை மலையமலை  
B) கீழையமலையமலை  
C) குறிையமலையமலை  
D) குளையமலையமலை.

[ Turn over ]
51. Trichoblasts are found in
A) the epidermal layer of roots       B) the epidermal layer of leaves
C) the cortex of stem                D) the cortex of root.

52. A monocot leaf is otherwise called as
A) Dorsiventral leaf                 B) Isobilateral leaf
C) Primordial leaf                  D) Scale leaf.

53. Pulvinus is
A) a kind of fruit
B) an enlargement of the petiole of a leaf
C) a structure found in roots
D) a type of flower.

54. The term 'Rhytidome' means, the tissue
A) consisting of cortical and phloem tissue of outer bark
B) that is produced by vascular cambium
C) tissue found next to endodermis
D) consisting of xylem.
55. *Artabotrys odoratissima* belongs to the family
A) Asclepiadaceae  
B) Annonaceae  
C) Asteraceae  
D) Poaceae.

56. Obdiplostemonous stamen is a special feature of the family
A) Orchidaceae  
B) Asteraceae  
C) Sapotaceae  
D) Rutaceae.

57. 'Nomen nudum' is a name
A) published with a new name  
B) published with identical generic and specific name  
C) published without a description (or) reference  
D) published with a generic name.
58. The term 'Polygamous' refers to
   A) unisexual flowers found in different plants
   B) unisexual flowers found in the same plant
   C) unisexual & bisexual flowers found in the same plant
   D) unisexual & bisexual flowers found in different plants.

59. A type of fossil which shows a well preserved condition is called
   A) compression
   B) impression
   C) cast
   D) petrifaction.

60. The term 'Taxonomy' was first introduced to the Plant Science in 1813 by
   A) A. P. De Candolle
   B) Adolf Meyer
   C) Linnaeus
   D) Cronquist.
61. Vascular and carinal canals are observed in
   A) Adiantum  B) Lycopodium
   C) Selaginella  D) Equisetum.

62. Leafy portion of which pteridophyte is edible and is called as 'Aaraakeeral'?
   A) Adiantum  B) Marsilea
   C) Lycopodium  D) Selaginella.

63. Mucilage cavities of Anthoceros show the algae called
   A) Red Algae  B) Brown Algae
   C) Green Algae  D) Blue green Algae.

64. A bryophyte which is commonly known as 'Horn Wort' is
   A) Riccia  B) Marchantia
   C) Anthoceros  D) Polytrichum.

65. Tikka disease of groundnut is caused by
   A) Pythium  B) Aspergillus
   C) Puccinia  D) Cercospora.
66. Citrus canker is a / an
A) bacterial disease      B) viral disease
C) mycoplasmal disease   D) algal disease.

67. The phenomenon where bacteria exhibit different structural forms is
A) Involution form       B) Pleomorphism
C) Resolution form       D) Hypertrophy.

68. Type of virus which integrates its DNA with host cell DNA and replicates is called
A) Lysogenic            B) Lytic
C) Autolytic            D) Necrotic.

69. The Lichen that is used in food preparations as spice and condiment is
A) Parmelia             B) Usnea
C) Lecanora             D) Roccella.
70. The period taken by the virus for developing infectivity within the vector is called
   A) Resting period  B) Developing period  
   C) Incubation period  D) Virulent period.

71. When young, the pileus portion of Agaricus is completely enclosed inside a thin membrane called
   A) Ligule  B) Velum  
   C) Annulus  D) Peristome.

72. Pycnidia develop on the upper surface of .......... leaf.
   A) Triticum  B) Berry  
   C) Amaranthus  D) Barberry.

73. The life cycle of Sargassum is
   A) Diplontic  B) Haplontic  
   C) Haplo-diplontic  D) Diplohaplontic.

A) || I Turn over
74. Agar is obtained from
   A) Nostoc       B) Ulothrix
   C) Spirogyra    D) Gracilaria.
   அகார் ஐந்தாம் முடி அலங்காரம்
   A) கோலைன்       B) மூல்வாய்கள்
   C) கோலைன்பால்     D) கட்டுவிளைநில்

75. Cryophytes are algae growing on
   A) living plants  B) ice and snow
   C) soil          D) terrestrial algae.
   கிரொபியைட்ஸ் இலங்கை வளரும்.... இன்னும் வேளாண்மை
   A) வாழ்விடங்கள்       B) இச்செய்ப்பிற்கள்
   C) இலங்கை      D) தேசிய அழக்கங்கள்

76. A nitrogen fixing alga that is found inside the tissues of Anthoceros is
   A) Nostoc       B) Anabaena
   C) Oscillatoria  D) Lyngbya.
   ஏன்னூர்கிரோன்கள் இலங்கை விளையாடும் ஆண்டுதலாக வாழ்விடங்கள்
   A) கோலைன்       B) அண்டாபன
   C) ஆச்சார்சியா       D) கட்டுவிளைநில்

77. A person is hurt on kicking a stone due to
   A) reaction       B) mass
   C) velocity       D) momentum.
   ஒரு பெண் கொலையாளின் கொலையாளின் கொலையாளின் கொலையாளின்
   A) நிலையாட்டு       B) ஐந்து
   C) நிலையாட்டு       D) ஐந்து

78. Which of the following harbours is not a natural harbour?
   A) Cochin       B) Chennai
   C) Mumbai       D) Paradwip.
   பிரித்தானிய ஓர் கொலையாளின் கொலையாளின் கொலையாளின் கொலையாளின்
   A) நிலையாட்டு       B) ஐந்து
   C) நிலையாட்டு       D) ஐந்து
79. Recently one Indian cricket player has become the Sixth Batsman to score 10,000 runs in Test Cricket. The name of the player is
A) Sachin Tendulkar  B) Virender Sehwag  
C) Sourav Ganguly  D) Rahul Dravid.

80. The battle of Wandiwash was fought between
A) Marathas and Portuguese  B) the English and the French  
C) the English and Portuguese  D) Marathas and the English.

81. Linear programming is designed by
A) B. F. Skinner  B) E. L. Thorndike  
C) L. P. Pavlov  D) Clark L. Hull.

82. Which of the following first identified the Secondary Education as a weak link and suggested improvement?
A) The Tarachand Committee (1948)  
C) The University Education Commission (1949)  

A) दण्डिकेशा नामका (1948)  
B) प्रतीत संबंधित साधन (1954)  
C) नामवर्गदायक साधन (1949)  
D) दण्डिकेशा (1966).
83. Intelligence test scores are reasonably stable after the age of
   A) one   B) two
   C) five   D) twenty.

84. Which one is not an S-R theory with reinforcement?
   A) E. L. Thorndike’s theory
   B) Hull’s theory
   C) B. F. Skinner’s theory
   D) Tolman’s theory of learning.

85. The emphasis of National Board for Adult Education on Curriculum is that it
   must be
   A) need-based   B) functional
   C) job-oriented   D) production-oriented.

86. World First Aid Day is
   A) September 11   B) September 12

87. For the following scores
   10, 11, 13, 10, 15, 17, 18, 15, 10
   the value of mode is
   A) 10   B) 13
   C) 15   D) 18.

A
88. Educational Technology means
   A) Technology in Education  B) Technology of Education
   C) both of these          D) none of these.

89. Which one of the following is not a cause for forgetting?
   A) When something learned and not used repeatedly
   B) Interference with present learning
   C) Lack of reorganisation of the learning material
   D) Learning on the basis of short-term remembrance.

90. When the reason for acting is in the action, motivation is said to be
   A) extrinsic                  B) intrinsic
   C) extrinsic & intrinsic     D) none of these.

91. National Integration Day is
   A) November 19               B) December 19
   C) September 19              D) May 19.

A | Turn over
92. The importance of Teacher Education was first emphasized by
A) the Woods Dispatch   B) the Hunter Commission
C) Calcutta University Commission  D) the White Paper.

93. Taxonomy of educational objectives was first developed by
A) Mager  B) Skinner
C) Bloom  D) Thorndike.

94. SSA is established for achievement of
A) Elementary Education  B) Secondary Education
C) Higher Education  D) Vocational Education.

95. Whose philosophy is characterised as “Naturalistic in its setting, Idealistic in its aim and Pragmatic in its method and Programme of work”?
A) Sri Aurobindo  B) Gandhiji
C) Rousseau  D) Tagore.
96. Multi-factor theory of Intelligence was developed by

A) Charles Spearman  
B) E. L. Thorndike

C) L. L. Thurstone  
D) Dr. J. P. Guilford.

97. Cadmium found in industrial wastes can be removed by

A) Aspergillus oryzae  
B) Agaricus campestris

C) Penicillium notatum  
D) Bacillus circulans.

98. Production of vermicompost involves the use of

A) Ascaris  
B) Anabaena

C) Earthworms  
D) Azolla.

99. A process of gradual exposure of plantlets to natural environmental condition is called

A) Hardening  
B) Incubation

C) Resting  
D) Dormancy.
100. A microbe grown in a limited medium in a closed culture system is called
A) Axenic culture  B) Batch culture
C) Fed batch culture  D) Continuous culture.

101. Periodic warming or increase in temperature of ocean water is due to a phenomenon called
A) La Nina  B) El Nino
C) Air current  D) Trade winds.

102. A vessel used for fermentation (or) other biological synthetic processes is called as
A) Centrifuge  B) Inoculation chamber
C) Bioreactor  D) Autoclave.

103. Social forestry is well accepted because
A) It protects only forests  B) protects both people and forests
C) protects only animals  D) it protects only people.
104. Which form of forest fire is supposed to be dangerous and difficult to control?

A) Canopy fire  B) Surface fire
C) Bush fire  D) Bark fire.

105. Montane Wet Temperate Evergreen Forests are seen in

A) Orissa  B) Tamil Nadu
C) Bihar  D) Rajasthan.

106. Noise pollution is measured by which of the following units of measurement?

A) Millimetres  B) Nanometres
C) Decibel units  D) Micro units.

107. Wheat plants show photoperiods which come under the category called

A) Long day plants  B) Short day plants
C) Day neutral plants  D) Neutral plants.

A) | Turn over
108. The site of oxidative phosphorylation is

A) Chloroplast  
B) Mitochondria  
C) Golgi body  
D) Lysosome.

109. A membrane that allows solvent but does not allow solute particles to pass through is called

A) selectively permeable  
B) semipermeable  
C) impermeable  
D) totally permeable.

110. The exudation of water and cell sap through cuts and wounds of plants is called

A) Bleeding  
B) Guttation  
C) Leaching  
D) Transpiration.

111. The process of breaking a large fat molecule into smaller ones is known as

A) Rancidity  
B) Halogenation  
C) Emulsification  
D) Hydrogenolysis.
112. Non-protein part of an enzyme is called
   A) Apoenzyme          B) Coenzyme
   C) Holoenzyme         D) Hydrolytic enzyme.

113. Theory of Biogenesis was proposed by
   A) Louis Pasteur      B) Epicurus
   C) Haeckel            D) Stanley Miller.

114. Lamarck, a French evolutionist belongs to
   A) Darwinian era      B) post-Darwinian era
   C) pre-Darwinian era  D) Mesozoic era.

115. Sugarcane, a cash crop is improved by which of the following techniques?
   A) Clonal selection    B) Mass selection
   C) Pure line selection D) Seed selection.
116. Disease resistance can be made in commercial crops by subjecting them to
   A) Test cross
   B) Back cross
   C) Selection
   D) Rectiprocal cross.

117. A method of selection where a single homozygous individual is used for developing a variety, is called
   A) Mass selection
   B) Natural selection
   C) Clonal selection
   D) Pure line selection.

118. Polyplody can be artificially induced by using a chemical known as
   A) NAA
   B) Colchicine
   C) IAA
   D) Acetylene.

119. Sex linked genes in *Drosophila* were discovered by
   A) Wilson
   B) Stevens
   C) Henking
   D) Morgan.
120. The method of sex determination first observed in a bryophyte, *sphaerocarpus* is of type
A) XO - YO method  B) XY - XX method
C) XX - XO method  D) XX - YY method.

121. At what stage of Meiosis Prophase I, homologous chromosomes pair with each other (Synopsis)?
A) Pachytene  B) Leptotene
C) Zygotene  D) Diplotene.

122. When DNA threads remain intertwind as supercoil which cannot be easily separated, that colling is called
A) Plectonemic coiling  B) Paranemic coiling
C) Right coiling  D) Left coiling.

123. Seed coat is formed from
A) Integument  B) Hilum
C) Tapetum  D) Embryo sac.

............... விளையாட்டுச் சேர்க்கியாக காணப்படும்.
124. Surface of the thylakoid has spheroid bodies or particles of 20 × 10 Å size called

A) Autosomes  B) Quantasomes
C) F₁ particles  D) Lysosomes.

125. Identify the tissue type in the following illustration:

A) Parenchyma  B) Chlorenchyma
C) Aerenchyma  D) Collenchyma.

126. Casparian strips are found in the cells of

A) Phloem parenchyma  B) Xylem parenchyma
C) Endodermis  D) Pericycle.

127. Sap wood refers to

A) wood of commercial importance
B) the inner part of the root
C) the inner part of wood containing dead tissue
D) the outer part of the wood containing living cells.

128. Tyloses are formed in

A) Phloem
B) Collenchyma
C) Epidermis
D) Secondary xylem.

129. Family cucurbitaceae is placed under ............. by Bentham and Hooker.

A) Heteromerae
B) Polypetalae
C) Gamopetalae
D) Monocots.
130. The raw material for the production of chewing gum is obtained from

A) Malvaceae  
B) Annonaceae  
C) Sapotaceae  
D) Asclepiadaceae.

131. Tautonym is a

A) name of a species in which the specific epithet exactly repeats the generic name  
B) name first described by the author  
C) name not published properly  
D) name of the family.

132. Cauliflower refers to

A) flowers borne on the main stem  
B) flowers borne on the tip of the stem  
C) flowers borne at the axil of leaves  
D) flowers borne on a lengthy peduncle.

A
35

A) Hutchinson

B) Cronquist

C) Bessey

D) Takhtajan.

133. Under whose classification, 6 subclasses of magnoliopsida and 5 subclasses of Liliopsida are present?

A) Hutchinson

B) Cronquist

C) Bessey

D) Takhtajan.

134. Hemiparasite is an organism

A) which depends totally on other plants for nourishment

B) which depends on other plants for a place to grow

C) which depends on dead tissue for its growth

D) which depends partially on other plants for food and partially self supporting.
135. Winged pollens are a special feature of
A) Cycas  B) Gnetum
C) Pinus  D) Ginkgo.

136. Presence of angiospermic characters is observed in
A) Gnetum  B) Cycas
C) Pinus  D) Adiantum.

137. Hydroids and Leptoids are observed in
A) Anthoceros  B) Polytrichum
C) Riccia  D) Marchantia.

138. Heterospory is observed in
A) Selaginella  B) Lycopodium
C) Equisetum  D) Marsilea.
139. Riccia sporophyte has

A) Foot, Seta and Capsule  
B) Capsule only  
C) Lengthy setae  
D) Calyptra.

140. Male sex organs are found in Marchantia on a structure called

A) Antheridiophore  
B) Archegoniophore  
C) Elatophore  
D) Rhizosphere.

141. Circular, double stranded, extrachromosomal DNA molecules found inside a bacterium are called

A) Plastids  
B) Capsomerses  
C) Plasmids  
D) Chromatids.

142. Scientist who crystallised TMV for the first time is

A) Smith  
B) Stanley  
C) Miller  
D) Ivanowski.
143. TMV contains ............... as genetic material.
   A) single stranded DNA  
   B) t-RNA 
   C) double stranded DNA  
   D) RNA.

144. T-series bacteriophages are
   A) Mycoviruses  
   B) Algal viruses 
   C) Virulent viruses  
   D) Human viruses.

145. In Colletotrichum, the conidia and conidiophores are found inside a structure called
   A) Acervulus  
   B) Aecium 
   C) Basidium  
   D) Teliu.

146. External or internal gall like outgrowths which are found in the thallus of Lichens are called
   A) Cyphellae  
   B) Cephalodia 
   C) Breathing pores  
   D) Acervulus.
147. The fungus which is coprophilous is
   A) Entomophthora       B) Peziza
   C) Saccharomyces       D) Agaricus.

148. Heterothallism is found in which of the following fungi?
   A) Achlya               B) Peranospora
   C) Mucor               D) Penicillium.

149. Cap cells are found in
   A) Oscillatoria         B) Cladophora
   C) Caulerpa            D) Oedogonium.

150. The advanced female sex organ found in Chara is called as
   A) Globule             B) Oogonium
   C) Nucule              D) Ovum.

          A
### KEY-X06A.TXT

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