







1. Branched, Filamentous extensively growing protonema is the characteristic feature of the class  
A) Anthocerotopsida                      B) Bryopsida  
C) Hepaticopsida                         D) Bryophytes
2. Appendiculate scales and ligules are present in  
A) *Pellia*                      B) *Anthoceros*                      C) *Marchantia*                      D) *Riccia*
3. *Lycopodium* is commonly call as  
A) Peat moss                                 B) Club moss  
C) Moss                                         D) Resurrection plant
4. What is the name of steles of Pteridophytes where Phloem found on both side of Xylem ?  
A) Siphonostele                                 B) Dictyostele  
C) Solenostele                                 D) Amphiphloic Siphonostele
5. The smallest Gymnosperm  
A) *Zamia pygmaea*                                 B) *Cycus circinalis*  
C) *Dioon edule*                                         D) *Taxus buccata*
6. *Cycus* wood is  
A) Monoxylic                      B) Haploxylic                      C) Manoxylic                      D) Pycnoxylic
7. Which of them is small size tree ?  
A) *Gnetum ula*                                         B) *Gnetum gnemon*  
C) *Gnetum latifolium*                                         D) *Gnetum mondanum*
8. Prof. Birbal Sahni is known as  
A) Father of Indian Palaeobotany                      B) Father of Palaeozoology  
C) Father of Palaeopalaynolgy                      D) Father of Indian Botany
9. Which type of fossil is the coal ?  
A) Petrification                                         B) Impression  
C) Incrustation                                         D) Compression







28. Of the following which a killing and fixing fluid  
A) FAA                      B) DPX                      C) PDA                      D) Xylen
29. FAA among the following which is the stain obtained from an organism  
A) Fast green              B) Sudan Red              C) Carmine              D) Safranin O
30. The mounting media 'Canada balsam' is obtained from the plant  
A) *Pinus roxburghii*                      B) *Abies balsamea*  
C) *Cedrus deodara*                      D) *Larix sibirica*
31. Monosporic 8 nucleated female gametophyte is found in  
A) Adoxa                      B) Polygonum  
C) Onion                      D) Fritliaria
32. "Genera Plantarum" was published by  
A) Theophrastus                      B) C. Linnaeus  
C) Jerome Bock                      D) Bentham and Hooker
33. The weak region in the exine of a pollen grain is known as  
A) Stomium              B) Slit                      C) Colpae                      D) Sporeoderm
34. Pod is a characteristic fruit of the family  
A) Malvaceae                      B) Commelinaceae  
C) Cucurbitaceae                      D) Leguminosae
35. Tricarpellary Syncarpous ovary is the characteristic feature of the family  
A) Papilionaceae                      B) Euphorbiaceae  
C) Poaceae                      D) Asteraceae
36. Among the following which plant belong to family Myrtaceae  
A) *Syzygium jambos*                      B) *Leucas biflora*  
C) *Mitragyna parvifolia*                      D) *Tridax procumbens*



37. The characteristic fruit of Poaceae  
A) Pod                      B) Berry                      C) Nut                      D) Caryopsis
38. Among the following which is not a oil yielding plant  
A) *Brassica campestris*                      B) *Arachis hypogeal*  
C) *Corchorus capsularis*                      D) *Linum usitatissimum*
39. What is the botanical name of Mung ?  
A) *Phaseolus radiates*                      B) *Cicer arietinum*  
C) *Pisum Sativum*                      D) *Cajanus Cajan*
40. Use and Disuse theory was  
A) Charles Darwin                      B) Francesco Redi  
C) Jean-Baptiste Lamarck                      D) Greoger Mendel
41. Phylloclade is the modification of  
A) Root                      B) Stem                      C) Leaf                      D) Flower
42. The pioneer community in a Xeroscere  
A) Phytoplankton                      B) Curstose lichen  
C) Peat Moss                      D) Floating hydrophytes
43. Vital index of a population is the ratio of  
A) Birth  $\times$  Death  $\times$  100                      B) Birth – Death  $\times$  100  
C) Birth  $\div$  Death  $\times$  100                      D) Birth + Death  $\times$  100
44. Of the following which is not a word to describe different growth forms of a community  
A) Phanerophytes                      B) Saprophytes  
C) Therophytes                      D) Chamaeophytes
45. Among the following which is a positive interaction between two population  
A) Competition                      B) Antibiosis  
C) Commensalism                      D) Predation











71. Which among the following is not true in the case of creativity ?  
A) Creativity is universal  
B) Creativity carries ego involvement  
C) Sociability and creativity are positively corrected  
D) Creativity has a wide scope
72. Which of the following is the highest level in attitude formation ?  
A) Characterisation B) Precision C) Imitation D) Organisation
73. The test which predicts the future performance of a student in a particular area is known as  
A) Diagnostic test B) Achievement test  
C) Prognostic test D) None of the above
74. Maximum involvement of students in learning is possible through  
A) Lecture method B) Lecture demonstration method  
C) Biographical method D) Project method
75. Field trip and excursions can be included in which category of teaching aids ?  
A) 3 dimensional aids B) Activity aids  
C) Graphic aids D) Projected aids
76. By minimizing the Type I error, the probability of making a Type II error is  
A) Decreased B) Increased C) Unaffected D) Cut in half
77. The introduction of a research report proceeds  
A) From general to specific  
B) From specific to general  
C) From general to specific and back to general again  
D) From general to the results of the research
78. Content validity is not significant in the case of  
A) Achievement test B) Intelligence test  
C) Both A) and (B) D) None of the above
79. Which among the following is a non probability sampling technique ?  
A) Stratified sampling B) Multistage sampling  
C) Systematic sampling D) Purposive sampling
80. Which of the following is not an example of active deception ?  
A) Making false promises to participants  
B) Misrepresenting true purposes of research  
C) Making concealed observations of participants  
D) Pseudoparticipants





87. Which of the following statement is correct regarding the 25<sup>th</sup> Constitutional Amendment Act of 1971 ?
- A) Gave superiority to Article 38 over right to equality and made the provision that it could not be challenged in any court under Article 32
  - B) Gave power to Parliament to amend any part of the Constitution including Fundamental Rights
  - C) Article 363 A was inserted and abolished Privy Purse paid to the former rulers of the Princely states
  - D) Fundamental Rights were made subordinate to directive principles of State Policy as given under Article 39
88. Read the following statements regarding the Union Public Service Commission, bring out the incorrect statement.
- A) It is inserted through the 15<sup>th</sup> Amendment Act of 1963
  - B) The Central Vigilance Commission has a decisive role in the disciplinary matters of the Union Public Service Commission
  - C) It is concerned with the classification of services and disciplinary matters of the personnel
  - D) The Chairman or the members of the Union Public Service Commission is not eligible for reappointment
89. The Verma Committee of 1999 was appointed in relation with
- A) Identification of legal provision for the implementation of some fundamental duties
  - B) The review of Governor's role in the State Administration
  - C) Human Rights Violations against women and children
  - D) Implementation of Right to Education
90. Which of the followings are correct regarding the Finance Commission of India ?
- i) It is a quasi-judicial body.
  - ii) It submits its report to the Parliament.
  - iii) The members of the Finance Commission are eligible for reappointment.
  - iv) According to Article 148 of the Constitution, comptroller and Auditor General of India is an ex-officio member of the Finance Commission
- A) i) and ii) are correct
  - B) ii) and iii) are correct
  - C) i) and iii) are correct
  - D) i) and iv) are correct



91. The Biography of O. Chandu Menon was first published in  
A) Bhashaposhini B) Vivekodayam  
C) Mithavadi D) Malayalee
92. The Kallumala agitation took place in the year  
A) 1912 B) 1913 C) 1914 D) 1915
93. Who among the following founded the newspaper 'Desabhimani' ?  
A) C. Kesavan B) C. V. Kunjuraman  
C) T. K. Madhavan D) Moorkoth Kumaran
94. Who wrote the book 'Cheruma Boy' ?  
A) Pampadi John Joseph B) Poikayil Yohannan  
C) Palakkunnath Abraham Malpan D) P. K. Chathan Master
95. Who was the founder of 'Sree Narayana Sevika Samaj' ?  
A) C. Krishnan B) Sahodaran Ayyappan  
C) Dr. Palpu D) K. P. Vellon
96. Which city is declared India's First world Heritage city by the UNESCO ?  
A) Amritsar B) Ahmedabad  
C) Hyderabad D) Mysore
97. Which International Organisation turns 50 in 2017 ?  
A) NATO B) SEATO  
C) ASEAN D) SAARC
98. The Murlen National Park is located in  
A) Karnataka B) Mizoram C) Tripura D) Sikkim
99. Which State in India has launched India's first electric bus ?  
A) Himachal Pradesh B) Punjab  
C) West Bengal D) Rajasthan
100. National Rural Development Institute is situated at  
A) Hyderabad B) Mumbai  
C) Pune D) Chennai



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Space for Rough Work



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