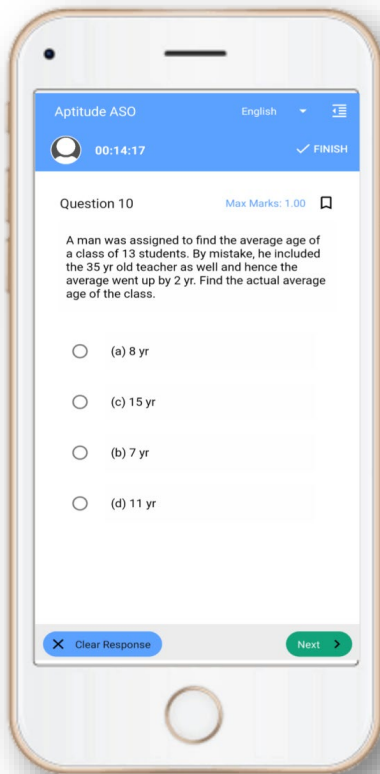


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<b>B - SECTION - III</b>
<b>SCIENCE (CBZ)</b>
<b>BOTANY</b>

61. Binomial nomenclature was first employed by Linnaeus in the book :
- (A) Species plantarum  
(B) Systema nature  
(C) Genera plantarum  
(D) Fundamenta botanica
62. Potato, tomato and tobacco belong to family :
- (A) Brassicaceae  
(B) Malvaceae  
(C) Solanaceae  
(D) Papilionaceae
63. In trees the growth rings represent :
- (A) Secondary phloem  
(B) Cork-cambium  
(C) Secondary xylem  
(D) Primary xylem
64. Which type of plants have no sizeable photorespiration ?
- (A)  $C_2$   
(B)  $C_3$   
(C)  $C_4$   
(D) CAM
65. Coralloid roots are present in :
- (A) Pinus  
(B) Cycas  
(C) Gnetum  
(D) Ephedra
66. Which one of the histogen theory from apical meristem can be compared with tunica of tunica corpus theory ?
- (A) Dermatogen  
(B) Periblem  
(C) Plerome  
(D) Calyptragen

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67. Which is not a type of in situ conservation habitat ?
- (A) National Park
  - (B) Sanctuary
  - (C) Biosphere Reserve
  - (D) Botanical Garden
68. Meristematic tissues from which lateral roots originate are known as :
- (A) Cortex
  - (B) Pericycle
  - (C) Epidermis
  - (D) Pith
69. The initial acceptor of  $\text{CO}_2$  in  $\text{C}_3$  plants is :
- (A) Ribulose 5 phosphate
  - (B) Ribulose 1, 5 Bisphosphate
  - (C) Phosphoglyceric acid
  - (D) Phosphoenol pyruvic acid
70. The basic structure of all chlorophylls consists of :
- (A) Phaeophytin
  - (B) Flavoprotein
  - (C) Porphyrin
  - (D) Plastocyanin
71. Which growth regulator is present in the maximum amount in coconut milk ?
- (A) Auxin
  - (B) Cytokinin
  - (C) Gibberellins
  - (D) Ethylene
72. Synthesis of hydrolysing enzymes during germination is induced by :
- (A) GA
  - (B) ABA
  - (C) IAA
  - (D) Ethylene
73. A small part of plant cutting used in tissue culture is called :
- (A) Cutting
  - (B) Explant
  - (C) Stock
  - (D) Meristem
74. Bottle shaped fertile structure of penicillium bearing conidia in chains are called :
- (A) Phialides
  - (B) Columella
  - (C) Ascus
  - (D) Vesicle

75. Which are the essential whorls of a flower ?
- (A) Calyx and Corolla
  - (B) Corolla and Androecium
  - (C) Androecium and Gynoecium
  - (D) Calyx and Gynoecium
76. Which one is unrelated pair ?
- (A) Yeast - Budding
  - (B) Bacteria - Fission
  - (C) Spirogyra - Zoospores
  - (D) Ulothrix - Fragmentation
77. In which character does a pandemic disease differ from epidemics ?
- (A) Occurs in vast areas
  - (B) Destructive form
  - (C) Caused by a pathogen
  - (D) Occurs in a small area
78. Which is not the feature of Puccinia teleutospore ?
- (A) Thick walled, smooth, with two super imposed cells
  - (B) Each spore is dark brown or black
  - (C) Paired nuclei fuse in each cell
  - (D) Single celled, Binucleate and strongly echinulate
79. A hybrid tall pea plant was crossed with pure tall plant and percentage of phenotypic tall plants were observed in next filial generation. What will be the correct result ?
- (A) 25
  - (B) 50
  - (C) 75
  - (D) 100
80. An exception to Mendel's law is :
- (A) Independent assortment
  - (B) Purity of gametes
  - (C) Dominance
  - (D) Linkage