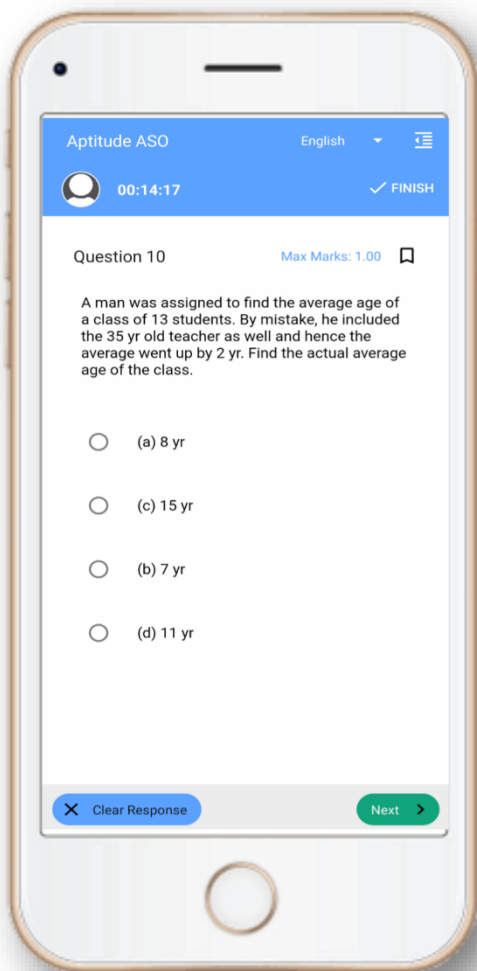


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61. What will be the genotypic ratio obtained in F_1 generation from a cross of $AaBB \times aaBB$?
- (A) 1 $AaBB$: 3 $aaBB$
- (B) 3 $AaBB$: 1 $aaBB$ (D)
- (C) 2 $AaBB$: 1 $aaBB$
- (D) 1 $AaBB$: 1 $aaBB$
62. Which one is the example of test cross ?
- (A) $Tt \times TT$
- (B) $TT \times TT$ (D)
- (C) $tt \times tt$
- (D) $Tt \times tt$
63. Which class of fungi does cause rust disease of wheat ?
- (A) Phycomycetes
- (B) Ascomycetes (C)
- (C) Basidiomycetes
- (D) Deuteromycetes
64. Which is not a preventive measure of plant disease control ?
- (A) Crop rotation
- (B) Spraying of fungicide (B)
- (C) Mixed cropping
- (D) Spacing
65. Which one is different from other three in chromosome number ?
- (A) Zygote
- (B) Embryo (C)
- (C) Endosperm
- (D) Seed coat
66. The plant part used as an inoculum for tissue culture is called :
- (A) Stem cell
- (B) Callus (C)
- (C) Explant
- (D) Somatic embryo

67. Which is unrelated pair ?

- (A) Yeast – Budding
 (B) Bacteria – Fission
 (C) Chrysanthemum – Seeds
 (D) Banana – Sucker

68. Process of development of fruits without fertilization is called :

- (A) Parthenogenesis
 (B) Abiogenesis
 (C) Spermatogenesis
 (D) Organogenesis

69. Unicellular eukaryotic organisms are grouped under :

- (A) Monera
 (B) Protista
 (C) Fungi
 (D) Animalia

70. Read the statements and mark the organism for which the statements are applicable :

- (i) Fresh water, very few marine and autotrophic
 (ii) Thallus tubular and coenocytic
 (iii) Asexual reproduction by multicellular zoospores
 (iv) Sexual reproduction oogamous

- (A) *Spirogyra*
 (B) *Oedogonium*
 (C) *Vaucheria*
 (D) *Chara*

71. Which one is a living fossil ?

- (A) *Riccia*
 (B) *Selaginella*
 (C) *Ginkgo*
 (D) *Pinus*

72. Where can ex situ conservation be done ?

- (A) National park
 (B) Botanical garden
 (C) Biosphere reserve
 (D) Sanctuary

73. The first reaction of photosynthesis is :

- (A) Photolysis of water
 (B) NADPH formation
 (C) ATP formation
 (D) Excitation of chlorophyll

74. In C-4 plants, the first stable product of CO₂ fixation in bundle sheath cells is :

- (A) 3-Phosphoglyceric acid
 (B) Phosphoenolpyruvate
 (C) Dihydroxyacetone phosphate
 (D) Oxaloacetate

75. Which is the hormone secreted from the aleurone layer of maize seed during germination ?
- (A) Ethylene
(B) Abscisic acid
(C) Gibberellic acid
(D) Cytokinin
76. Which is the hormone present in the maximal amount in apical region of shoot ?
- (A) Ethylene
(B) Abscisic acid
(C) Florigen
(D) Auxin
77. Casparian thickenings are present in radial walls of:
- (A) Pith cells
(B) Epidermis
(C) Pericycle
(D) Endodermis
78. Which is unrelated pair ?
- (A) Sclerenchyma – Nucleated
(B) Parenchyma – Intercellular spaces
(C) Collenchyma – Living
(D) Epidermis – Guard cells
79. What is the identifying feature of roots ?
- (A) Vascular bundles scattered
(B) Vascular bundles collateral
(C) Vascular bundles siphonostelic
(D) Vascular bundles radial
80. The primary acceptor of electron from the photosystem – II reaction centre, P680, is :
- (A) Plastoquinone
(B) Pheophytin
(C) Cytochrome
(D) Ferredoxin