

BOTANY 2019

Time: 15 Minutes

Max. Marks: 09

SECTION "A" (MULTIPLE CHOICE QUESTION)

1. Choose the correct answer for each from the given options:

- (i) These appendages help in the conjugation of bacteria:
• Flagella • Pili • Cilia • Capsule
- (ii) *Aspergillus flavus* produces carcinogenic toxin:
• Aflatoxin • Neurotoxin • Haematoxin • Mycotoxin
- (iii) *Lycopersicum esculentum* is the botanical name of:
• Brinjal • potato • Tomato • Apple
- (iv) It is a heterosporous plant:
• Rhynia • Selaginella • Moss • Oycopodium
- (v) Flow of energy in an ecosystem is: • cyclic
• non-cyclic • unidirectional • multidirectional
- (vi) Absorption of water by a hydrophilic substance is called
• Imbibition • Plasmolysis
• Transpiration • Translocation
- (vii) The movement of ions or molecules through carrier protein is called: • facilitated diffusion
• osmosis • simple diffusion • pressure potential
- (viii) Chloroplast contains these stacks of thylakoid:
• stroma • grana • frets • matrix
- (ix) Carnivorous plants grow in soil deficient of:
• Potassium • Nitrogen • Calcium • Phosphorous
- (x) Vacuole is surrounded by this membrane:
• Leucoplast • Chloroplast • Chromoplast • Tunoplast
- (xi) The number of chromosomes in sporophyte of ulva is:
• 12 • 13 • 24 • 26
- (xii) These Bacteria are surrounded by flagella: • Atrichous
• Peritrichous • Amphitrichous • Monotrichous
- (xiii) It is a C₄ plant:
• Cactus • Pineapple • Sugar cane • Apple
- (xiv) as Rusts and smuts belong to: • Zygomycota
• Basidiomycota • Ascomycota • Deuteromycota
- (xv) Ribosomes are manufactured in: • Mitochondria
• Endoplasmic reticulum • Golgi bodies • Nucleus
- (xvi) Glycolysis takes place in:
• Cytosol • Vacuole • Chloroplast • Mitochondria
- (xvii) These Tracheophytes have neither roots nor leaves:
• Psilopsida • Lycopsida • Sphenopsida • Pteropsida
- (xviii) This controls the opening and closing of stomata:
• Magnesium • Nitrogen • Phosphorous • Potassium