

Undergraduate Programme – Botany

Model Question Paper

Questions: 40

Time : 40 Minutes

Max. Marks 40 x 1 : 40

SAMPLE QUESTIONS

- 1) Thallophyta includes
 - A) Fungi and bacteria only
 - B) Monera only
 - C) Algae, fungi and Lichens only
 - D) Algae and fungi only
 - E) Algae, fungi, bacteria and Lichens

- 2) Study of fungi called
 - A) Phycology
 - B) Mycology
 - C) Dermatology
 - D) Phytology
 - E) Phenology

- 3) Plant that produces both spores and embryo but lack vascular tissue are:
 - A) Bryophytes
 - B) Pteridophytes
 - C) Gymmsperms
 - D) Phaeophyte
 - E) Angiosperms

- 4) Root branches emanate from
 - A) Epidermis
 - B) Endodermis
 - C) Pericycle
 - D) Pith
 - E) Xylem parenchyma

- 5) Rhizomes are
 - A) Underground stems with buds
 - B) Stems running above and along the ground
 - C) Roots storing food materials
 - D) Woody underground stems
 - E) Shoots going into soil store food materials

- 6) In Divot stem Xylem is
 - A) Polyarch
 - B) Monarch
 - C) Exarch
 - D) Endarch
 - E) Mesarch

- 7) Casparian bands are found in
- A) Endodermis
 - B) Pericycle
 - C) Cork cambium
 - D) Xylem ray parenchyma
 - E) Pith parenchyma
- 8) In monocotyledonous plants, roots have
- A) Endarch xylem
 - B) Diarch radial xylem
 - C) Polyarch, exarch condition
 - D) Conjoint collateral bundles
 - E) Dispersed xylem elements
- 9) Male gametophyte of angiosperm is
- A) Microsporangium
 - B) Nucellus
 - C) Microspore
 - D) Megaspore
 - E) Synergids
- 10) Endosperm is formed from
- A) Antipodals
 - B) Synergids
 - C) Oosphere
 - D) Entire egg apparatus
 - E) Secondary nucleus
- 11) How many pollen mother cells are required to form 1000 pollen grains?
- A) 200 B) 100 C) 250 D) 50 E) 500
- 12) Variations occurring during tissue culture of some plants are known as:
- A) Clonal variation
 - B) Somaclonal variation
 - C) Somatic variation
 - D) Extra chromosomal variation
 - E) Non-somatic variations
- 13) A typical embryo sac possesses
- A) Egg and synergids
 - B) Eggs, synergids and secondary cells
 - C) Egg and secondary cells
 - D) Eggs, synergids, polar nuclei and antipodals
 - E) Eggs and antipodals

14) Quantasomes occur in

- A) Chloroplasts
- B) Mitochondria
- C) Lysosomes
- D) Nucleus
- E) Golgi apparatus

15) Dark reaction of photosynthesis is

- A) Hill's reaction
- B) Photophosphorylation
- C) Non-cyclic photophosphorylation
- D) Calvin cycle
- E) Kreb's cycle

...