

P. S. SCIENCE & H. D. PATEL ARTS COLLEGE, KADI

Internal Examination

B. Sc. Semester - I

[Mark : 40

24-9-2016]

Botany : CCC-BOT-111

[2 Hours

SECTION - A

Give the proper answers of following multiple choice questions. (Any Five) 5

- (1) The function of periderm.
(A) Protection (B) Nutrition
(C) Photosynthesis (D) Respiration
- (2) Which of the following is vegetative reproductive part of Mucor ?
(A) Aplanospore (B) Zygosporangium
(C) Ooidiospore (D) Stolon
- (3) Which is the living component of xylem tissue ?
(A) Tracheid (B) Xylem parenchyma
(C) Trachea (D) xylem fibre
- (4) What is cytoplasm ?
(A) Solution (B) Solvent
(C) Solid substance (D) Colloidal
- (5) Activities of the cell are regulated by which following organelle ?
(A) Protoplasm (B) Cytoplasm
(C) Nucleus (D) Nucleolus
- (6) Which of the following is the partial parasitic plant ?
(A) Cuscuta (B) Lichen
(C) Viscum (D) Orchid
- (7) Which of the following is insectivorous plant ?
(A) Cuscuta (B) Loranthus
(C) Orchid (D) Utricularia

SECTION - B

Give the answer in one or two sentences. (Any five)

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- (8) Give the full form of PPLLO.
- (9) What is ecology ?
- (10) Which enzymes break the conjugation tube in spirogya ?
- (11) Function of stinging hair.
- (12) What is the reserve food material in fungi ?
- (13) Explain parthenospore.
- (14) Which substance constitutes cystolith ?

SECTION - C

Give the answers of any three questions.

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- (15) Explain significance of ecology for human.
- (16) Draw a labeled diagram : Torula stage in Mucor.
- (17) Draw a labeled diagram : Mycelium of Mucor.
- (18) Explain : Sieve tube.
- (19) Explain : Pyramid of energy.

SECTION - D

Answer of any four questions.

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- (20) Describe the cell structure of spirogyra.
- (21) Describe : Nepenthus.
- (22) Give the characters of meristematic tissue.
- (23) Comparison of ultra-structure of typical plant cell and animal cell.
- (24) Explain mutualism with example.
- (25) Write the economic importance of fungi.

SECTION - E

Attend the following in detail (Any Two)

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- (26) Describe : Eukaryotic cell with labeled diagram.
- (27) Describe : Scalariform conjugation in spirogyra.
- (28) Write a note on simple permanent tissue.
- (29) Describe temperature as a climatic factor.