

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

Internal Examination

B. Sc. Semester - I

[Mark : 40

7-10-2015]

Botany : CCC-BOT-111

[1-30 to 3-00

SECTION - A

Answer the following as required (Any five)

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- (1) Which of the following plant is insectivorous ?
(A) Cuscuta (B) Orchid
(C) Loranthus (D) Utricularia
- (2) Which of the following is living portion of xylem ?
(A) Vessel Members (B) Xylem parenchyma
(C) Trachieds (D) Xylem Fibres
- (3) True nucleus is absent in which of the following ?
(A) Fungi (B) Bacteria
(C) Lichen (D) Algae
- (4) Which of the following plant is insectivorous ?
(A) Cuscuta (B) Orchid
(C) Loranthus (D) Utricularia
- (5) _____ is Cyanophycean Algae.
(A) Volvox (B) Spirogyra
(C) Nostoc (D) Oedogonium
- (6) Which of the following are known as primary consumers
(A) Producers (B) Carnivores
(C) Decomposers (D) Herbivores
- (7) Which of the following involves vegetative reproduction of Mucor ?
(A) Stolon (B) Oidiospore
(C) Zygosporangium (D) Chlamydoconidium

SECTION - B

Answer the following in most precised form. (Any five) **5**

- (8) Write full name of PPLO.
- (9) Which enzyme breaks conjugation tube in Spirogyra ?
- (10) Lenticels are present in which plant.
- (11) What are Eurythermal animals ?
- (12) Draw a neat and labelled diagram of Monocot Stomata.
- (13) Who gave importance of cell theory in Embroyology ?
- (14) What are Parthenospores ?

SECTION - C

Answer the following in brief. (Any Three) **6**

- (15) Draw a neat & labelled diagram of Torula stage in Mucor.
- (16) Explain importance of Ecology for human.
- (17) What is Velamen Tissue.
- (18) Name different parts of Nucleolous.
- (19) Describe importance of algae as food.

SECTION - D

Answer the following in detail. (Any Four) **12**

- (20) Describe Cell Theory in detail.
- (21) Explain : Light as climatic factor.
- (22) Describe : Cell Structure of Spirogyra.
- (23) Answer in detail. Economic importance of Fungus.
- (24) What are the characteristics of Meristmaticells.

SECTION - E

Elaborate the answers of the following. (Any Two) **12**

- (25) Explain : Pyramid of Biomass
- (26) Describe in detail : Ultrastructure and function of nucleus.
- (27) Explain with neat and labelled diagram : Scalariform conjugation in Spirogyra.
- (28) Elaborate simple permanent tissues in detail.
- (29) Describe in detail : Symbiosis as biotic interrelationship.