

Extra



V.P. & R.P.T.P. Science College

B.Sc.-VIth Semester

BOTANY-US06CBOT01

(Mycology, Plant-Pathology and Lichenology)

Date-05/03/2019

Time-10.00 a.m.-12.00 noon

Day: Tuesday

Marks: 50

Q-1 Multiple Choice Questions.

(08)

(1) Sex-hormones are produced during _____ reproduction.

- (a) Sexual (b) asexual (c) vegetative (d) none

(2) *Claviceps purpurea* produces an alkaloid which is used during _____.

- (a) fever (b) child birth (c) menstruation (d) none

(3) *Synchytrium endobioticum* is a pathogen of _____.

- (a) Powdery mildew (b) Loose smut of wheat (c) Wart disease of potato (d) Peach leaf curl

(4) Brown spot of rice caused by _____.

- (a) *Synchytrium endobioticum* (b) *Colletotrium falcatum*
(c) *Mycoplasma* (d) *Dreschlera oryzae*

(5) *Fusarium udam* is a pathogen of _____.

- (a) Wilt of pigeon pea (b) *Nigrospora oryzae* (c) Bunt of wheat (d) Club root of crucifers

(6) *Plasmodiophora brassicae* is a pathogen of _____.

- (a) stem rot of jute (b) club root of crucifers (c) little leaf of brinjal (d) tobacco mosaic virus

(7) Lichens are bioindicators of _____.

- (a) water pollution (b) soil pollution (c) air pollution (d) noise pollution

(8) Foliose lichens are internally differentiated into _____.

- (a) root, stem and leaves (b) epidermis, cortex and medulla
(c) epidermis, cortex, algal zone and medulla
(d) upper and lower cortex, algal zone and medulla



Q-2 Attempt any five.

(08)

- (i) What is holocarpic fungus?
- (ii) Write about: Kinds of mycelia.
- (iii) Write the symptoms of Loose smut of wheat.
- (iv) Write the control measures of Wart of potato.
- (v) Give the main symptoms of red rot of sugarcane.
- (vi) Write the control measures of Panama disease of banana.
- (vii) Explain: Lichen as soil-formers.
- (viii) Name the kinds of Lichen.

Q-3(a) Write a note on: Mode of nutrition in fungi.

(04)

(b) Describe the structure of sex-organs of fungi.

(04)

OR

Q-3 Write about: (a) Fungal tissues.

(04)

(b) Appressoria and haustoria.

(04)

Q-4 Write an explanatory note on downy mildew of peas.

(08)

OR

Q-4 Write a brief account on brown spot of rice.

(08)

Q-5 Write the symptoms of: (a) Tobacco mosaic virus.

(04)

(b) Stem rot of jute.

(04)

OR

Q-5 Write the name of causal organism, symptoms, disease-cycle and control measures of Nigrospora of rice.

(08)

Q-6 Write note on: (a) Uses of lichen in medicine.

(04)

(B) Distribution of Lichen.

(04)

OR

Q-6 Describe the external and internal structure of foliose lichens.

(08)