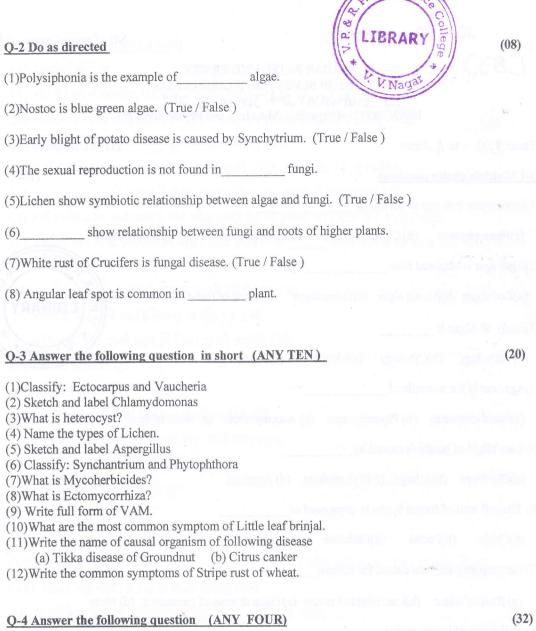
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## SARDAR PATEL UNIVERSITY S.Y.B.Sc (III SEMESTER) EXAMINATION Suft DAY 2<sup>1</sup> January, 2021 US03CBOT21 (Phycology, Mycology and Phytopathology)

| Time: 2.00 4 to 4.00pm TOTAL MARKS:-70   |
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| Q-1 Multiple choice questions (10)   |
| (1)Ectocarpus belongs to the family  |
| (a)Phaeophyceae (b) Chlorophyceae (c) Rodophyceae (d) Cyanophyceae   |
| (2) Agar agar is obtained fromalgae  |
| (2) Agar agar is obtained from algae  (a) Red algae (b) Brown algae (c) Green algae (d) None of these  (3) Study of Algae is |
| (3)Study of Algae is   |
| (a) Pathology (b) Cytology (c) Mycology (d) Phycology  |
| (4)Agaricus is the example of  |
| (a)Basidiomycetes (b) Phycomycetes (c) Ascomycetes (d) None of these   |
| (5) Late blight of potato is caused by   |
| (a)Claviceps (b)Albugo (c)Phytophthora (d) Agaricus  |
| (6) The cell wall of fungal hypha is composed of   |
| (a)Chitin (b)Pectin (c)Cellulose (d)Lignin   |
| (7) Cercospora personata causes the disease  |
| (a) Rust of wheat (b)Late blight of potato (c)Tikka disease of groundnut (d) None  |
| (8) Yellowing of leaves means  |
| (a)Chlorosis (b)Florosis (c)Tylosis (d) Necrosis   |
| (9) White rust of crucifers is caused by   |
| (a)Puccinia (b)Albugo (c)Phytophthora (d) Agaricus   |
| (10)Curling of the leaves are found in   |
| (a)Groundnut (b)Papaya (c)Tobacco (d) None of these  |



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- (1) Describe thallus structure and reproduction in Nostoc.
- (2) Explain asexual reproduction in Ectocarus.
- (3) Describe asexual reproduction in Albugo.
- (4) Describe asexual reproduction in Phytophthora.
- (5) Describe the role of fungi in food industry.
- (6) Write about Mycorrhiza in detail.
- (7) Describe symptoms, causal organism and control measures of "White rust of Crucifers".
- (8) Explain differentiation between bacterial viral and fungal disease using morphological symptoms.

[2]