[This question paper contains 4 printed pages.]

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Sr. No. of Question Paper: 729

B

Unique Paper Code

32161201

Name of the Paper

Mycology and Phytopathology

Name of the Course

Botany

Semester

: II

Duration: 3 Hours

Maximum Marks: 75

Instructions for Candidates

- 1. Write your Roll No. on the top immediately on receipt of this question paper.
- 2. Question no. 1 is compulsory.
- 3. Attempt any four questions from 2 to 7.
- 4. Please attempt all parts of question together.
- 5. Draw suitable diagrams wherever necessary.
- 1. (a) Fill in the blanks (any five): $(1\times5=5)$
 - (i) Bread mold fungus _____.
 - (ii) An example of aquatic fungus _____.

29	2	
(iii)	Hypha with dolipore s characteristic feature of cla	
(iv)	Fungal cell wall is predomir of	nantly made up
	Microorganism responsible famine is	or causing Irish
(vi)	Fungus causing smut	•
(b) Define	(any five):	(1×5=5)
(i)]	Hymenium	
(ii) (Cleistothecium	
(iii) T	Teleutospore	
(iv) A	Appresorium	
(v) E	Budding	
(vi) C	Chlorosis	
(vii) A	annulus	•

2.

3.

	그렇게요. 그 물을 하고 있다면 가는 그렇게 된 그렇게 하는 그래요? 그 그 수 있는 것은			
(c) Match	the following:		(1×5=5)	
(i) H	olocarpic	(a) Lichen		
(ii) C	up fungi	(b) Stemonite	es	
(iii) Is	idia	(c) Chytrids		
(iv) P	heneroplasmodium	(d) Peziza		
(v) H	eteroecious	(e) Puccinia	ı	
Draw a v	vell labeled diagrar :	n of any thr	ee of the $(5\times3=15)$	
(i) V.S.	apothecium of Pez	ziza		
(ii) Conidiophore of Penicillium				
(iii) V.S. Berberis leaf passing through Aecial cup				
(iv) L.S.	of Agaricus gill			
Write sho	ort notes on any th	ree of the fol	lowing: (5×3=15)	
(i) Myc	orrhiza			
(ii) Fun	gi affecting human	health		
(iii) Lich	Lichen as pollution indicator			
(iv) App	Application of fungi in Food Industry			

- 4. Explain any five of the following: (3×5=15)
 - (i) Different forms of thalli in fungi
 - (ii) Clamp connection in Basidiomycetes
 - (iii) Slime molds
 - (iv) Black stem rust of wheat
 - (v) Parasexuality in fungi
 - (vi) Role of fungi in Biological control
 - 5. Describe any two with the help of well labeled diagram: $(7.5 \times 2 = 15)$
 - (i) Life cycle of Albugo
 - (ii) Life cycle of Peziza
 - (iii) Life cycle of Rhizopus
 - 6. Write the general characteristics of fungi? Describe their mode of nutrition. (10+5=15)
 - 7. What are the causal organisms, symptoms, and control measures of plant diseases namely Citrus Canker and Early Blight of potato? (7.5+7.5=15)