w manufacture 2025 mil sali alamana

(FYUGP)

(2nd Semester)

Write short north on the following

BOTANY and the same of the sam

aministration (MINOR) is suffered to

Paper: BCC/M-02

## ( Mycology and Phytopathology )

Full Marks: 75 Pass Marks: 40%

Time: 3 hours

In gage : series distriction to a varie arith. ( PART : B—DESCRIPTIVE )

( Marks : 50 )

The figures in the margin indicate full marks for the questions

1. Explain the cell wall structure and mode of nutrition in fungi. 5+5=10

Or

Write short notes on the following:  $5\times2=10$ 

- Slime molds (a)
- Asexual and sexual reproduction of lichen

L25/352a

(Turn Over)

2.	Illustrate the life cycle of Synchytrium with
	diagram. 8+2=10
	Or
	Write short notes on the following: $5\times2=10$
	(a) Characteristic feature of Oomycota
	(b) Thallus structure of Phytophthora
3.	Explain the life cycle of <i>Puccinia</i> . 10
	Or
	Write short notes on the following: 5×2=10
	(a) Bioluminescence
	(b) Parasexuality
4.	Write short notes on the following: 5×2=10
	(a) Mycofungicides
	(b) Industrial use of fungi
	<i>Or</i>
3 (1)	Describe the role of fungi in nanotechnology. 10
5.	Describe the different plant quarantine methods in disease control.
	Or
	Write notes on the following: 5×2=10
	(a) Damping-off disease
	(b) General symptoms of plant diseases

	2025 hand as me him.
	(FYUGP) szinreczymob za (p)
	(2nd Semester,) d monyago (d)
	BOTANY TOTAL CARDINGTON (3)
	(minor) is a consequence of the
	Paper: BCC/M-02
	3. Which of the following energence apputes in fairly
	( Mycology and Phytopathology )
	( PART : A—OBJECTIVE )
	( Marks : 25 )
The figu	ures in the margin indicate full marks for the questions
in the b	the correct answer by putting a Tick (✓) mark brackets provided: 1×15=15
	ngi which can grow only on living host plant are
(a)	obligate parasites ( )
(b)	obligate saprophytes ( )
(c)	facultative parasites ( )
(d)	saprophytes ( )
/352	Payerun - 02/sea

ST-M (TOET) ME

Bs/BCC/M-02/352

2.	Hart	ig nets are found in
	(a)	endomycorrhiza ( )
	(b)	ectomycorrhiza (
	(c)	oomycetous fungi
	(d)	ascomycetous fungi ( )
		and especial and the second second
3.	Whi	ch of the following are sexual spores in fungi?
	(a)	Arthrospores ( )
	(b)	Ascospores ( )
	(c)	Sporangiospores ( )
1.15	(d)	Chlamydospores ( )
	(A,b)	up Do Assibin publica ya mawana saerasa ens aeu-
4.	A b and	utton-like structure which penetrates the host draws nutrients is
	(a)	rhizoid ( )
	19	Le visitati parangan di di
	(b)	appressorium ( )
	(c)	rhizomorph ( )
	(d)	haustoria ( )

5.	Mycelium of class Oomycetes is always a consignity A B					
	(a)	coenocytic ( )				
	(b)	septate ( )	auropolous	(a)		
	(c)	cross-septa ( )	heterothalitan	(0)		
	(d)	None of the above (	) Poetrogameisia	(a) ·		
6.	Pseu	adomycelium is formed in	haks si arogeo	9, 708		
	(a)	Synchytrium ( )	scanaj spore	(12)		
	(b)	Rhizopus ( )	asexual spore	(9)		
	(c)	yeast ( )	vegetative spane	(0)		
	(d)	Pythium ( )	chiamydospers	(d)		
7.	Whi and	ch type of fungicide is pot economical?	entially most effec	etive .01		
	(a)	Soil fumigant ( )	Powelstern vistems	loi (d		
	(b)	Paste ( )	Rust	(5)		
	(c)	Systematic fungicide	Cowing transfers")	(1)		
	(d)	Dust ( )	trode, caratrom5			

8.	8. A fungus which requires only one single host for completion of its life cycle is called					
	(a)	heteroecious ( )				
	(b)	autoecious ( )				
	(c)	heterothallism ( )				
	(d)	heterosporous ( )				
9.	9. Teliospore is a/an					
	(a)	sexual spore ( ) maining (a)				
	(b)	asexual spore ( )				
	(c)	vegetative spore ( )				
	(d)	chlamydospore ( )				
10.		ch fungal disease is commonly associated with nping-off in seedlings?				
	(a)	Powdery mildew (iii) magain file to				
	(b)	Rust ( )				
	(c)	Downy mildew ( ) ( ) the property of the prope				
	(d)	Rhizoctonia solani ( )				

Bs/BCC/M-02/352

11.	Para	asexuality was first discovered by
	(a)	Pontecorvo ( )
	(b)	Erikson ( )
	(c)	de Bary ( )
	(d)	워크로 시간 없다는 얼마나 얼마나는 살아나니다. 그런 그는 그들은 사람들이 되었다면 하다는 것이 없는 것이다.
		(c) Spare ( )
12.	Dict	tyospore is a spore with
	(a)	only horizontal septa ( )
	(b)	only vertical septa ( )
	(c) (d)	both horizontal and vertical septa ( )  No septa ( ) Strokenso at thirdex doinw at  No septa ( )
13.		e the pathogen has established in an area, steps taken to remove or destroy is known as
	(a)	exclusion ( )
	(b)	eradication ( )
	(c)	protection ( )
	(d)	prevention ( )

14.		What is the primary reproductive structure of most fungi?				
				1	nymostuc	T Jah
		Ascus (	)		nonini	3 (3)
	(b)	Basidium	( )		yvise ei	
	1/4	and the state of t		1	plack Recta	1 (5)
	(c)	Spore (				
				itha ears	(a la ali croque	violiti Ci
	(d)	Myzolium		Carlon Constitution		
	(d)	Mycelium		is octors. U	only buyitayantk	(13)
	No.			And CALL	s instance vino	(0),
		Sir A	Teknilona	or isotra, Lo	application doc	NOT
15.		ich scientist is rtopathology?	s cons	idered a	s the Fathe	
	(a)	Louis Pasteur		).		
		Area taka arabin da kabasa ka		energia de estados. Especial de estados en	thatagara da ka	
			Na			
	(b)	Antonie van L	euwen	inoek	effet was and	(9)
	(c)	Heinrich Antor	ı de Ba	ary	ing Constant of the Constant o	es <sub>V</sub>
					racidos aceq	
	(d)	Robert Koch	(	)	in a comp	

Bs/BCC/M-02/352

Answer/Write notes on any *five* of the following in short:  $2\times5=10$ 

1. What is a dolipore septum?

2. What is a disease triangle in plant pathology?

Simulates exocited a right of

3. Differentiate between homothallism and heterothallism.

4. Define coenocytic hyphae and mycelium.

5. Differentiate between telemorph and anamorph.

6. Role of haustorium deposites appropried of introduction

7. What is plasmodium?

++\*