Q.P. Code: 19326

[Time: Three Hours]	[Marks:100]
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Please check whether you have got the right question paper.

N.B: 1. <u>All</u> the questions are <u>compulsory</u>.

- 2. **Figures** to the right indicate **full marks**.
- 3. Draw neat and labelled diagrams wherever necessary.

A)	Choose the correct option from	om the following:	10
a)	Spirogyra reproduce by		
	i) Vegetative means	ii) Asexual means	
	iii) Sexual means	iv) All of these	
b)	is a unicellular alga		
	i) <i>Spirogyra</i>	ii) Volvox	STORY AND
	iii) Chlamydomonas	iv) Nostoc	£ 6 9 7 2 4
c)	reproduction is ab	sent in <i>Nostoc</i> .	
	i)Asexual	ii) Vegetative	
	iii) Sexual	iv) All of the above	
d)	Cells of green algae contain	as principle pigments.	\$
	i)Chlorophyll a & b	ii) Chlorophyll b & c	
	iii) Chlorophyll b & d		
e)	Rhizopus belongs to order		
-	i)Mucorales	ii) Aspergillales	
	iii) Erysiphales	iv) Puccinales	
f)	Cleistothecium is a fruiting bo	dy observed in	
•	i) Aspergillus	ii) Rhizopus	
	iii) Mucor	iv) Agaricus	
g)	The asexual spores in Aspergi		
0,	i)ascospores	ii) zoospores	
	iii) zygospores	iv) conidia	
h)S	Riccia hastypes o	, 4, 66, 60, 60, 60, 60, 60, 60,	
200	i) one	ii) two	
	iii) three	iv) four	
i)	Members of Hepaticae are commonly called as .		
200	i)Mosses	ii) Hornworts	
		iv) None of the above	
j)		ck canal cells are present in the archegonium of	Riccia.
D. T.	i) Two	ii) Four	
	iii) Six	iv) Fight	

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			12 72 VI.
Q.1.	В.	Answer the following in one sentence:	10
	a)	What are Hormogones?	
	b)	Define Conjugation.	
	c)	Name the male and female sex organs in Aspergillus .	X 5 2 X
	d)	Give the mode of Nutrition in <i>Rhizopus</i> .	
	e)	Name the type of rhizoids found in <i>Riccia</i> .	
Q.2.		Answer <u>any two</u> from the following:	20
	a)	Give economic importance of algae as bio fertilizer and food.	325
	b)	Discus reproduction in <i>Nostoc</i> .	(2) (2) (3)
	c)	Give the systematic position of <i>Spirogyra</i> and describe its cell structure.	200
	d)	Describe the alternation of generation in Chlorophyta.	
Q.3.		Answer <u>any two</u> from the following:	20
	a)	Explain asexual reproduction of <i>Rhizopus</i> .	
	b)	Give an account of general characters of Phycomycetes.	
	c)	Describe sexual reproduction in Aspergillus .	
	d)	Describe mode of nutrition in Fungi.	
Q.4.		Answer <u>any two</u> from the following:	20
	a)	Describe the internal structure of <i>Riccia</i> thallus.	
	b)	Write a note on general characters of Hepaticae.	
	c)	Describe the structure of sporophyte in <i>Riccia</i> . Add a note on the spore structure.	
	d)	Describe sexual reproduction in <i>Riccia</i> . Add a note on its systematic position.	
Q.5.		Write short notes (any four):	20
	a)	Shapes of chloroplast in Chlorophyceae	
	b)	Alginates	
	c)	Fungi as food	
	d)	Systematic position of Aspergillus	
۵	e)	Vegetative reproduction in <i>Riccia</i>	
200	f)	Structure of scales and rhizoids in <i>Riccia</i> .	
(V) (V)	70.0	87 67 87 87 67 68 87 68 68 68 68 68 68 68 68 68 68 68 68 68	
