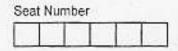
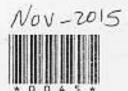
कंपन - 012





BOTANY PAPER - I : BOT - 111 Lower Cryptogams (11145)

P. Pages: 3

Time: Two Hours

Max. Marks: 40

	Instruc	tions to Candidates :							
	 Do not write anything on question paper except Seat No. Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil. 								
	3	3. Students should note, no supplement will be provided. 4. All questions are compulsory. 5. Figures to the right indicates full marks.							
	Draw neat labelled diagrams wherever necessary.								
		Diaw fleat labelled di	agrains wiic	never necessary.					
1.	Solve any eight.								
	a)	a) The branch which deals with study of fungi is known as							
		i) Physiology	ii)	Ecology					
		iii) Mycology	iv)	Phycology					
	b) The reserve Food Material in algae is								
		i) Cellulose	ii)	Starch					
		iii) Protein	iv)	Glycogen					
	c) The algae growing in seawater is known as								
		i) Fresh water algae	e ii)	Terrestrial Algae					
		iii) Marine algae	iv)	Lithophytic algae					
	d) Sexual reproduction absent in								
	- 1/-	i) Cyanophyta		Chlorophyta					
		iii) Phaeophyta		Rhodophyta					
	e) Agar-Agar is obtained from								
	0.000	i) Ulothrix	ii)	Spirogyra					
		iii) Gracilaria	iv)	Nostoc					

		f)	Reserve food material in fungi is					
		-	i) Cellulose	ii)	Starch			
			iii) Protein	iv)	Glycogen & oil			
		g)	Basidiomycetes produces type of fruiting bodies.					
		1000	i) Ascocarp	ii)	Cleistothecium			
			iii) Basidiocarp	iv)	Basidiospore			
		h) Fungi is used for manufacture of fumaric acid						
		i) Septate mycelium is found in i) Ascomycetes & Myxomycetes ii) Basidiomycetes & Phycomycetes iii) Ascomycetes & Basidiomycetes						
		iv) Ascomycetes & Phycomycetes						
		TV.	The Mycelium in Asco	omveetee is				
		j)	i) Dikaryotic	ii)	Monokaryotic			
			iii) Diploid	iv)	Multinuclear			
						8		
2.		Solve any four.						
		a) What is epiphytic algae?						
		b) Name the reserve food Material in brown algae?						
		c) What is heterocyst?						
		d)	d) What is coenocytic Mycelium?					
		e)) What is Holocarpic Fungi?					
		f) Describe the structure of thallus of Rhizopus.						
3.		Solve any two.						
		a) Give the classification with reasons of Nostoc.						
		b)	b) Give the distinguishing features of chlorophyta.					
		c) Explain the role of Fungi as Medicine.						
4. a)	a)	Solve any two.						
		i)	Sketch and label the	thallus of F	Rhizopus.			

- ii) Describe the Female conceptacle of sargassum.
- iii) Describe the sexual reproduction in Agaricus.
- b) How Asexual reproduction take place in Nostoc.

2

 Draw a labelled diagram and describe sexual reproduction in Rhizopus.

8

OR

Give the outline classification of algae up to classes as given by G.M. Smith with suitable example of each.
