rges) Reg. No.:			3.	3. An example of dual organism is					
J. M	- 11640 F	c.	th Code (SARO 11		(a)	Lichen	(b)	Funaria	
Code No. : 11649 E			Sub. Code: SABO II		(c)	Volvox	(d)	Lycopodium	
B.Sc. (CBCS) DEGREE EXAMINATION, NOVEMBER 2018.				4.	The thallus of funaria is				
First/Third Semester					(a)	Sporophyte	(b)	Gametophyte	
Botany — Allied					(c)	Both (a) and (b)	(d)	None of these	
PLANT DIVERSITY AND MEDICINAL BOTANY				5.	The	These are called as vascular cryptogams			
(For those who joined in July 2017 onwards)					(a)	Gymnosperms	(b)	Angiosperms	
Time: Three hours Maximum: 75 marks					(c)	Pteridophytes	(d)	Bryophytes	
PART A — (10 × 1 = 10 marks) Answer ALL questions.				6.	6. Winged Pollen is found in this				
					(a)	Lycopodium	(b)	Pinus	
Choose the correct answer:					(c)	Cycas	(d)	Gnetum	
I. Red algae belong to the class ———.					Follicle type of fruit is the character of this family				
(a)	Chlorophyceae	(b)	Phaeophyceae						
(c)	Rhodophyceae	(d)	Cyanophyceae		1/2 c700				
The fruit body of polyporus is called as ———.				(p)	Poaceae				
(a)					(c)	Euphorbiaceae			
(c)	Cystocarp	(d)	Pericarp		(d)	Asclepiadaceae			
			2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			Pag	e 2	Code No. : 11649 E	
	B.S. LANT (For e: The Chook Red (a) (c) The (a)	NOVEMI First/Thir Botany LANT DIVERSITY AN (For those who joined a: Three hours PART A — (10 Answer AL Choose the correct ans Red algae belong to th (a) Chlorophyceae (c) Rhodophyceae The fruit body of polyp (a) Ascocarp	B.Sc. (CBCS) DEGREE EX NOVEMBER 20 First/Third Seme Botany — Allie LANT DIVERSITY AND MEI (For those who joined in July a: Three hours PART A — (10 × 1 = 1 Answer ALL ques Choose the correct answer: Red algae belong to the class (a) Chlorophyceae (b) (c) Rhodophyceae (d) The fruit body of polyporus is (a) Ascocarp (b)	B.Sc. (CBCS) DEGREE EXAMINATION, NOVEMBER 2018. First/Third Semester Botany — Allied LANT DIVERSITY AND MEDICINAL BOTANY (For those who joined in July 2017 onwards) Three hours Maximum: 75 marks PART A — (10 × 1 = 10 marks) Answer ALL questions. Choose the correct answer: Red algae belong to the class ———————————————————————————————————	B.Sc. (CBCS) DEGREE EXAMINATION, NOVEMBER 2018. First/Third Semester Botany — Allied LANT DIVERSITY AND MEDICINAL BOTANY (For those who joined in July 2017 onwards) E: Three hours Maximum: 75 marks PART A — (10 × 1 = 10 marks) Answer ALL questions. Choose the correct answer: Red algae belong to the class ———. (a) Chlorophyceae (b) Phaeophyceae (c) Rhodophyceae (d) Cyanophyceae The fruit body of polyporus is called as ———. (a) Ascocarp (b) Basidiocarp	B.Sc. (CBCS) DEGREE EXAMINATION, NOVEMBER 2018. 4. The Street Third Semester (c)	de No.: 11649 E Sub. Code: SABO 11 B.Sc. (CBCS) DEGREE EXAMINATION, NOVEMBER 2018. First/Third Semester Botany — Allied LANT DIVERSITY AND MEDICINAL BOTANY (For those who joined in July 2017 onwards) These are called as vas (c) Pteridophytes PART A — (10 × 1 = 10 marks) Answer ALL questions. Choose the correct answer: (a) Chlorophyceae (b) Phaeophyceae (b) Poaceae The fruit body of polyporus is called as — (a) Ascocarp (b) Basidiocarp (c) Cystocarp (d) Pericarp 4. The thallus of funaria (a) Sporophyte (a) Sporophyte (c) Both (a) and (b) These are called as vas (a) Gymnosperms (c) Pteridophytes (a) Gymnosperms (c) Pteridophytes (b) Piacophytes 7. Follicle type of fruit is (a) Rutaceae (b) Poaceae (c) Euphorbiaceae (d) Asclepiadaceae	de No.: 11649 E Sub. Code: SABO 11 (c) Volvox (d) B.Sc. (CBCS) DEGREE EXAMINATION, NOVEMBER 2018. First/Third Semester Botany — Allied LANT DIVERSITY AND MEDICINAL BOTANY (For those who joined in July 2017 onwards) These are called as vascular (For those who joined in July 2017 onwards) These are called as vascular (c) Pteridophytes (d) PART A — (10 × 1 = 10 marks) Answer ALL questions. (a) Lycopodium (b) Choose the correct answer: (b) Phaeophyceae (c) Rhodophyceae (d) Cyanophyceae The fruit body of polyporus is called as — (a) Ascocarp (b) Basidiocarp (c) Cystocarp (d) Pericarp (d) Asclepiadaceae	

- Unisexual flowers are important character of this family
 - (a) Asclepiadaceae
- (b) Euphorbiaceae
- (c) Rutaceae
- (d) Poaceae
- 9. Aloe vera belongs to this family
 - (a) Lamiaceae
- b) Euphorbiaceae
- (c) Liliaceae
- (d) Apocynaceae
- 10. The alkaloid vincristine is found in this plant
 - (a) Phyllanthus amarus
 - (b) Piper nigrum
 - (c) Catharanthis roseus
 - (d) Coleus amboinicus

PART B — $(5 \times 5 = 25 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Explain the structure of volvox colony.

Or

(b) Describe the general characters of fungi.

Page 3 Code No.: 11649 E

 (a) Draw the longitudinal section of fruit body of usnea and explain.

Or

- (b) Draw L.S. of Funaria capsule and label the parts.
- 13. (a) What are the general characters of Gymnosperms?

Or

- (b) List out the general characters of pteridophytes.
- 14. (a) Write about the economic importance of poaceae.

Or

- (b) Explain the floral characters of Asclepiadaceae.
- (a) Write about the medicinally useful part and medicinal uses of Aloe vera.

Or

(b) Give the external morphology and medicinal uses of coleus amboinicus.

Page 4 Code No.: 11649 E

[P.T.O.]

PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Write in detail about the economic importance of algae.

Or

- (b) Explain the structure of fruit body and method of reproduction in polyporus.
- (a) Write about the general characters and classification of Lichens.

Or

- (b) Describe the structure of male and female branches of funaria.
- (a) Draw the L.S. of Lycopodium cone and explain its structure.

Or

- (b) Write short notes on :
 - (i) Anatomy of pinus needle
 - (ii) Structure pinus ovule.

Page 5 Code No.: 11649 E

19. (a) Give the classification of Bentham and Hooker.

Or

- (b) Describe the important features and economic importance of the family Euphorbiaceae.
- (a) Explain the external morphology, useful part and medicinal uses of <u>phyllanthus amarus</u>.

Or

(b) Explain the external morphology, medicinally uses of <u>Catharanthus roseus</u>.

Page 6 Code No.: 11649 E