

(4)

7. Describe the sexual reproduction in Marchantia.

ceej keeaf/Melee cell/mee/Deue (peveve/lee) peveve keae JeCee keae/peS-

UNIT-IV/ FkeaeF&IV

8. Write notes on the followings :

- (i) Gametophyte of Riccia.
- (ii) Position of sex organs in Riccia and structure.

eqecee/lee/Kele hej eS/hneeCee/Dee/lee/Keles

- (i) eej keae/Melee keae i meeS/cheaeFŠ-
- (ii) eej keae/Melee kea meej Uevee S/Je/mLeeve

9. Draw labelled diagrams only of the followings :

- (i) V.L.S. of Antheridiophore of Marchantia
- (ii) V.T.S of thallus of Marchantia through gema cup.

eqecee/lee/Kele kea keae/uee veecce/kae/lee/yeveeF/lee

- (i) ceej keeaf/Melee kea Sv/Le/ee/Dee/ae/je/ keae/er/Ke/er uecye keaeŠ-
- (ii) ceej keeaf/Melee Le/ue/ee/ keae/er/Ke/er keae i ee/ee/kae/ kea mee/le-

A

(Printed Pages 4)

Roll No. _____

S-632

B.Sc. (Part-I) Examination, 2015
(Regular & Exempted)
BOTANY

Second Paper

(Diversity of Algae, Lichen & Bryophyta)

Time Allowed : Three Hours] [Maximum Marks : 50

Note : Answer five questions in all. Question No. 1 is compulsory. In addition to question no 1, there will be four units. Each unit will consist of two questions out of which one must be answered. Question No. 1 is of 20 marks and each of remaining four questions is of 7½ marks.

ke/je/ee/hee/De/Me/vee/keae/Go/ee/oe/peS- De/Me/ mee/ 1 De/e/lee/De/er/ee/De/Me/ mee/ 1 kea/ De/e/ee/je/oea/ Uee/ F/keae/F/uee/Br/0/ De/ U/keae/ F/keae/F/ce/oes/De/Me/ mee/ 1/ ee/vee/cell/mes/S/keae/ keae/ Go/ee/ oe/ee/ De/e/Me/ U/keae/ n/w/ De/Me/ mee/ 1, 20 De/keae/Me/keae/ n/w/Dee/je/ ye/De/ n/ Uee/ De/Me/vee/ce/De/ U/keae/ 7½ De/keae/Me/keae/ n/w

(2)

1. Differentiate between the following giving two differences for each.
 - (i) Algae and Bryophytes.
 - (ii) Archegoniophore and antheridiophore.
 - (iii) Vaucheria thallus and Polysiphonia thallus.
 - (iv) Isidia and Soredia
 - (v) Hydrodictyon coenobium and volvox coenobium.

afrecveedreKete hej ebUes ielUes oes oes Devleij eueeKedUes :

- (i) Muleeue Deejij yeUecheaeFŠ
- (ii) DeeeaeceesvUecheaeij Deejij SvLeaeUecheaeij
- (iii) JeeGueeeij Uee Leureme Deejij heeaeemeefheaeesvUee Leureme
- (iv) DeefmeeeUee Deejij meesj eefUee
- (v) neF [aeU] keaš Ueeve meesvUeece Deejij JeeueJeekeime meesvUeece

UNIT-I / FkaeF&I

2. Write on the following :
 - (i) Sexual reproduction in Lichen.
 - (ii) Economic importance of Lichen.

afrecveedreKete hej ešhneeCeeeb eueeKedUes

- (i) ueeFkeave cellmekaeUeepeve
- (ii) ueeFkeave keae DeeeLekae cenIJe

(3)

3. Give a detailed account of economic importance of algae.

Muleeue kea DeeeLekae cenIJe keaes eilemleej cellmyeeSb

UNIT-II / FkaeF&II

4. Write notes on the following :
 - (a) Volvox
 - (b) Chara

afrecveedreKete hej ešhneeCeeeb eueeKedUes

- (a) JeeuJeekeime
- (b) keaeje

5. Describe the life cycle of Ectocarpus.

Skeaekeacheime keaer peeeve Ueeae keaes yeleeFUes

UNIT-III / FkaeF&III

6. Draw labelled diagrams
 - (i) L.S. of Pogonatum Capsule.
 - (ii) V.S of Sporophyte of Anthoceros.

afrecveedreKete kea keaeue veeceebkae eUeše yeveeFUes

- (i) heeaevešce kaehemue keaer ueeye keaeš~
- (ii) SvLeameej epe kea mheej ebaeFŠ keaer KeUer DevemLe keaeš~