FEDERAL PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION-2016
FOR RECRUITMENT TO POSTS IN BS-17
UNDER THE FEDERAL GOVERNMENT

Roll Number

BOTANY

TIME ALLOWED: THREE HOURS	**PART-I (MCQS) MAXIMUM MARKS = 20**
PART-I(MCQS): MAXIMUM 30 MINUTES	**PART-II MAXIMUM MARKS = 80**

NOTE: (i) **Part-II** is to be attempted on the separate **Answer Book.**
(ii) Attempt **ONLY FOUR** questions from **PART-II. ALL** questions carry **EQUAL** marks.
(iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
(iv) Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
(v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
(vi) Extra attempt of any question or any part of the attempted question will not be considered.

PART-II

Q. No. 2. Describe the life cycle of Ulothrix with the help of diagrams. **(20)**

Q. No. 3. What is CAMBIUM? Where does it occur? Describe its histological structure and its function. **(20)**

Q. No. 4. Describe briefly habitat, structure, and reproduction of MARCHANTIA. **(20)**

Q. No. 5. Define palynology? Discuss the significance of palynology in modern Taxonomy. **(20)**

Q. No. 6. Describe the diagnostic Characters of family Poaceae and discuss its economic importance. **(20)**

Q. No. 7. Give an account of structure mode of nutrition and method of reproduction in RHIZOPUS. **(20)**

Q. No. 8. Writer short notes on any FOUR of the following: **(5 each)** **(20)**
(a) Species Concept
(b) Chemo Taxonomy
(c) Significance of Numerical Taxonomy
(d) Taxonomic key
(e) Chromosomal aberrations

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