FEDERAL PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION-2023
FOR RECRUITMENT TO POSTS IN BS-17
UNDER THE FEDERAL GOVERNMENT

Roll Number

ZOOLOGY

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) 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 question will not be considered.

PART-II

Q. No. 2. Dengue over the years has expanded significantly. Give a comprehensive management plan to reduce the disease burden. **(20)**

Q. No. 3. Migration is one of the most widespread characters of some of the chordates. Discuss. **(20)**

Q. No. 4. Cell to organism. How does this natural phenomena happen? **(20)**

Q. No. 5. What are enzymes and coenzymes? Discuss their role in life of the organism and the activities that are dependent upon them. **(20)**

Q. No. 6. Biogeochemical cycles are dependent on natural elemental sources for improving sustainability of ecosystems. How do these ecological drivers work and what is their impact on the environment? **(20)**

Q. No. 7. Integument pays a vital role in the survival of individuals. How would you compare the integument of invertebrates and which according to your opinion is the most diversified one and why? **(20)**

Q. No. 8. Make a comparison of feeding and digestion process in carnivores and Herbivores. **(20)**

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