



FEDERAL PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION FOR
RECRUITMENT TO POSTS IN BS-17
UNDER THE FEDERAL GOVERNMENT, 2015

Roll Number

ZOOLOGY, PAPER-I

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| TIME ALLOWED: THREE HOURS PART-I(MCQS): MAXIMUM 30 MINUTES | PART-I (MCQS) PART-II | MAXIMUM MARKS = 20 MAXIMUM MARKS = 80 |
| NOTE: (i) Part-II is to be attempted on the separate Answer Book. (ii) Attempt ONLY FOUR questions from PART-II, by selecting TWO questions from EACH SECTION. 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
SECTION-I

Q. No. 2. (a) Describe the importance of insects to mankind. **(10 each) (20)**
(b) Explain acoelomate, pseudocoelomate and coelomate conditions in animals.

Q. No. 3. Write a detailed essay on Metazoa. **(20)**

Q. No. 4. What is polymorphism? Compare a poly p of Obelia with medusa of Obelia. **(20)**

Q. No. 5. Earthworms are friends of farmers! How? Discuss in detail. **(20)**

SECTION-II

Q. No. 6. (a) Describe different types of cartilage found in vertebrates. **(10 each) (20)**
(b) What are different views regarding sense organs in mammals.

Q. No. 7. (a) What is a placenta? Give an account of placentation in mammals. **(10 each) (20)**
(b) Explain the physiology of muscle contraction and relaxation.

Q. No. 8. What is excretion? Give an account of various types of excretory products in animals. **(20)**
