



FEDERAL PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION-2022
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
<p>NOTE: (i) Part-II is to be attempted on the separate Answer Book.</p> <p>(ii) Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks.</p> <p>(iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.</p> <p>(iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.</p> <p>(v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.</p> <p>(vi) Extra attempt of any question or any part of the question will not be considered.</p>		

PART-II

- Q. No. 2.** Explain in detail the most primitive metazoans and their evolution. **(20)**
- Q. No. 3.** Write in detail the microscopic structure, skeleton, histology and sexual reproduction & development of *Sycon gelatinosum*. **(20)**
- Q. No. 4.** What are the general features of nematodes including physiology, prevalence and economic importance? **(20)**
- Q. No. 5.** How genetic equilibrium is upset. Explain. **(20)**
- Q. No. 6.** Discuss in detail taxonomic characters and phylogenetic reconstruction. **(20)**
- Q. No. 7.** Describe mechanism of hormone actions. **(20)**
- Q. No. 8.** Write in detail on extinction and biodiversity. **(20)**
