



FEDERAL PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION FOR
RECRUITMENT TO POSTS IN BS-17
UNDER THE FEDERAL GOVERNMENT, 2014
ZOOLOGY, PAPER-I

Roll Number

TIME ALLOWED:	(PART-I MCQs)	30 MINUTES	MAXIMUM MARKS: 20
THREE HOURS	(PART-II)	2 HOURS & 30 MINUTES	MAXIMUM MARKS: 80

- NOTE:**(i) **Part-II** is to be attempted on the separate **Answer Book**.
(ii) Attempt **ONLY FOUR** questions from **PART-II**, selecting **TWO** questions from EACH SECTION. **ALL questions carry EQUAL marks**.
(iii) Candidate must write **Q. No.** in the **Answer Book** in accordance with **Q. No.** in the **Q. Paper**.
(iv) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
(v) Extra attempt of any question or any part of the attempted question will not be considered.

PART-II

SECTION-I

- Q. No. 2.** (a) Write an essay on parasitic zoonosis. **(10 each) (20)**
(b) Describe protozoan parasites of public health importance.
- Q. No. 3.** (a) Describe parasitic adaptation in platyhelminthes. **(10 each) (20)**
(b) Compare the structure and function of water vascular system of asteroids, Ophiuroids and crinoids.
- Q. No. 4.** (a) What is torsion and shell coiling? Describe their effects on gastropod structure and function. **(10 each) (20)**
(b) Describe digestive system of insects with the help of suitable labelled diagram.
- Q. No. 5.** Write short notes on the followings: **(5 each) (20)**
(a) Toxoplasmosis (b) Metamorphosis
(c) Parthenogenesis (d) Parasitasis

SECTION-II

- Q. No. 6.** (a) Describe types of vertebrate neurons with the help of suitable labelled diagrams(s). **(20)**
(b) Discuss various types of fish scales. **(10 each)**
- Q. No. 7.** (a) Describe biting apparatus of a poisonous snake and explain the biting mechanism. **(20)**
(b) Describe various types of primitive vertebrate heart. Illustrate answer with labelled diagram. **(10 each)**
- Q. No. 8.** Write short notes on the followings: **(5 each) (20)**
(a) Birds Migration and Navigation (b) Crocodiles and Alligators
(c) Turtles and Tortoises (d) Marsupials and Monotremes
