FEDERAL PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION-2020
FOR RECRUITMENT TO POSTS IN BS-17
UNDER THE FEDERAL GOVERNMENT

Roll Number

ENVIRONMENTAL SCIENCE

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. **(a)** Write the main principles of Rio Summit 1992. (10)

(b) Discuss the dose response relationship in Environmental Toxicology. (10) **(20)**

Q. No. 3. **(a)** Write the physico chemical parameters of waste water and also explain waste water treatment technologies. (10)

(b) Discuss the major outcomes of Clean Development Mechanisms (CDM). (10) **(20)**

Q. No. 4. **(a)** Discuss in detail the Hospital Waste Management codes of Practice. (10)

(b) Enlist the conventions and treaties passed in Agenda 21. (10) **(20)**

Q. No. 5. **(a)** Define and explain the Eutrophication of water body. (10)

(b) What are technological approaches to Environmental management? (10) **(20)**

Q. No. 6. **(a)** What are main steps of conduction Environmental Impact Assessment (EIA)? (10)

(b) Discuses briefly noise pollution. (10) **(20)**

Q. No. 7. **(a)** What is green revolution? Give a brief account of green revolution in Pakistan. (10)

(b) Define Environmental Economics and explain briefly the interrelationship between Environment and Economics. (10) **(20)**

Q. No. 8. **(a)** Discuss the solid waste disposal technique. (10)

(b) Write in detail the effect of climate change on natural and societal systems. (10) **(20)**

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