FEDERAL PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION-2019
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. How is hazardous waste classified? What are the various options for handling hazardous waste? **(20)**

Q. No. 3. What are the various mechanisms involved in atmospheric SO_2 removal? **(20)**

Q. No. 4. Eutrophication is a phenomena caused by the abnormal growth of algae in a water body. What are the reasons of algal bloom and how can this phenomenon be controlled? **(20)**

Q. No. 5. Describe and differentiate between stated and revealed preferences methods used for valuing the environmental resources. **(20)**

Q. No. 6. What is the importance of public participation in an Environmental Impact Assessment (EIA) process? What is the difference between EIA and Strategic Environmental Assessment (SEA)? **(20)**

Q. No. 7. Pakistan is located in a semi arid region of the world, hence is more prone to climate change effects. Explain what adaptation measures will be feasible in the situations of worst climate change in regions like Pakistan? **(20)**

Q. No. 8. What are the five major air pollutants coming out of fire burning process? Smog formation occurs due to certain air pollutants. What means and ways can be used for its control? **(20)**

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