



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

Roll Number

<b>TIME ALLOWED: THREE HOURS</b> <b>PART-I(MCQS): MAXIMUM 30 MINUTES</b>	<b>PART-I (MCQS)</b> <b>PART-II</b>	<b>MAXIMUM MARKS = 20</b> <b>MAXIMUM MARKS = 80</b>
<b>NOTE: (i) Part-II is to be attempted on the separate Answer Book.</b> <b>(ii) Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks.</b> <b>(iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.</b> <b>(iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.</b> <b>(v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.</b> <b>(vi) Extra attempt of any question or any part of the question will not be considered.</b>		

**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) Discusses 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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