



National Officers Academy
Final Mock Exams for CSS-2021
January 2021
Environmental Science

TIME ALLOWED: THREE HOURS PART-I(MCQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS = 20 MAXIMUM MARKS = 80
NOTE: <ul style="list-style-type: none">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.		

SUBJECTIVE PART — PART-II

- Q. 2.** What are the various processes in atmospheric SO₂ removal?
- Q. 3.** A) Discuss the global efforts that are currently in place to mitigate climate change.
B) 2020 was said to be “A critical year for our future and for the climate”. Explain.
- Q. 4.** Write note on any two of the following:
A) What do you understand by climate and microclimate?
B) How does forest burning and land cleaning affect the global climate? Discuss in the light of Australian bushfires.
C) What impact would changing climate have on the “ecosystem in general” and “coastal environment in particular”?
- Q.5.** 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)?
- Q. 6.** Pakistan is located in semi-arid region of the world; hence it is more prone to climate change effects. Explain what adaptation measurement will be feasible in the situations of worst climate change?
- Q. 7.** Eutrophication is a phenomenon used by the abnormal growth of algae in a water body. What are the reasons of algal bloom and how can this phenomenon be controlled?
- Q. 8.** Write note on the following:
A) What is genetic engineering or biotechnology and how it may affect the agriculture and the environment?
B) What is the relation between poverty and food security?

Best of Luck for CSS-2021