

K-780

Total Pages : 3

Roll No.

EVS-506

Environmental Physics and Chemistry

M.Sc. Environmental Science (MSCES)

2nd Semester Examination, 2023 (Dec.)

Time : 2 Hours]

Max. Marks : 70

Note : This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

SECTION–A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.

(2×19=38)

1. What is wind pressure? Elaborate your answer by giving a suitable diagram for the formation of low and high wind pressure zones? Discuss different types of cyclones in details.
2. What is primary and secondary air borne contaminants? Discuss the adverse impact of air pollutants on human beings and plants.
3. What are emulsifiers? Discuss various techniques and processes used to control food preservatives.
4. What do you understand by the humidity? Describe in detail the various effects of humidity.
5. Explain the fire and its sources. What are the impacts of fire on soil?

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only. (4×8=32)

1. Explain different methods of treatment of particulate matter in air.

2. What are environmental toxicants? How you will mitigate the adversities of drugs and antioxidants?
 3. Differentiate between land breeze and sea breeze.
 4. What is photochemical smog? Explain in detail.
 5. Differentiate between Precipitation and humidity.
 6. What do you understand by the topography? Discuss the role of topography in ecosystem.
 7. How artificial sweeteners exert adverse effect on health of the people?
 8. Describe the physical and chemical characteristics of water in detail.
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