



KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Ag. 2017 Admission
III Semester Final Examination-Janaury-2019

Ssac.2104

Environmental Studies and Disaster Management (1+1)

Marks: 50
Time: 2 hours

Fill in the blanks:

(10x1=10)

- 1 Hydrologic cycle is driven by -----
- 2 The first National Park established in India is-----
- 3 World Ozone Day is celebrated on -----
- 4 The Red tides in the ocean is due to the presence of-----
- 5 Pest infestation is ----- hazard.

Match the following

- | | |
|-------------------------|----------------------|
| 6 Los Angeles smog | a Norman Myers |
| 7 Ecological pyramids | b Reducing smog |
| 8 London smog | c Charles Elton |
| 9 Biodiversity Hotspots | d Robert Angus Smith |
| 10 Acid rain | e Photochemical smog |

Write Short notes on any FIVE of the following

(5x2=10)

- 1 Waste land reclamation.
- 2 Bhopal Gas Tragedy.
- 3 Significance of food chain and food web in the ecosystem.
- 4 Acid mine drainage.
- 5 Differentiate COD and BOD.
- 6 Bioterrorism.
- 7 Carbon Sequestration.

Answer any FIVE of the following.

(5x4=20)

- 1 Nitrogen Cycle.
- 2 Renewable and nonrenewable energy resources with examples.
- 3 Solid waste and different methods of solid waste disposal.
- 4 Phytoremediation and various phytoremediation techniques used for scavenging soil pollutants.
- 5 Impacts of climate change on agricultural productivity.
- 6 Salient features of Wildlife (Protection) Act, 1972.
- 7 Disaster and Concept of Disaster management cycle.

Write an essay on any one of the following

(1x10=10)

- 1 Major causes of man-wildlife conflict and the remedial steps that can curb the conflict.
- 2 Thermal pollution its effects and control measures of thermal pollution.
