2023

BCA – 2nd SEMESTER

ENVIRONMENTAL SCIENCE

AECC-2

Full Marks : 75

Pass Marks : 25

Time : 3 hours

The figures in the right margin indicates full marks.

A) Answer all questions. *[10x1=10m]*

(1) Define ecosystem.

(2) When is a species declared endangered?

(3) Why is environment studies important?

(4) What are algal boom?

(5) Name some industries that generate non-biodegradable waste.

(6) Name a chlorofluorocarbon (CFC) that affect the ozone-layer?

(7) What is desertification?

(8) What is the meaning of watershed management?

(9) What do you understand by "Environmental ethics"?

(10) What does the Biodiversity Act (2002) provides?

B) Answer Any 5 (five) questions from the following. *[5x2=10m]*

(1) Why is Environment Science considered multi-disciplinary in nature?

(2) What is ecological succession?

(3) What are the factors that leads to global warming?

(4) How are domestic waste segregated at source?

(5) Write the objectives of Environment Protection Act?

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(6) What are renewable and non-renewable resources? Give example.

(7) How are water logging caused?

(8) Why a 'pattern of right conduct towards environment is so much important today'?

C) Answer Any 5 (five) questions from the following. *[5x5=25m]*

(1) How does ecosystem benefits humanity?

(2) Illustrate with example grazing and detritus food chain.

(3) Write some impacts of climate change.

(4) Why is acid rain assumed to be global ecological problem? How are they formed.

(5) Explain the reasons for land degradations.

(6) Discuss the general requirement of important water uses.

(7) Write a short notes on chipko movement.

(8) Write the impacts of over-population on environment.

D) Answer any 3 (three) questions from the following. *[3x10=30m]*

(1) Explain the different levels of biological diversity.

(2) Elaborate how effects of air pollution can be categorised.

(3) Discuss the impacts of plastic on human and animal health.

(4) What is disaster management? Why is it necessary.

(5) Explain briefly the international agreements i.e. Montreal and Kyoto protocols.

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