Time: 3 hours   **Max. Marks: 75**

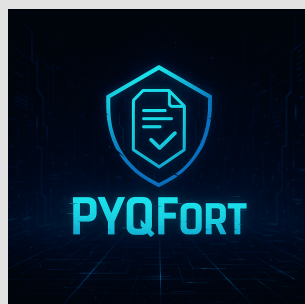# PART A (1.5 marks each)

Q1 (a) Green marketing.

(b) Eutrophication.

(c) Ocean Thermal Energy Conservation (OTEC).

(d) Ecological succession.

(e) Biogeographic Zones of India.

(f) Hotspot of biodiversity.

(g) Endemic species.

(h) Sanitary landfills.

(i) Sustainable Development.

(j) Watershed Management.

PART B

Q2 (a) How would environmental awareness help to protect our environment, explain briefly? (5)

(b) Write an explanatory note on the multidisciplinary nature of environmental science. Briefly describe, how computer engineering plays an important role in conservation and protection of environmental quality? (10)

Q3 (a) Give a detailed account of various impacts of traditional and modern agricultural practices on environment. (7.5)

(b) What are the environmental impacts associated with mineral extraction? Briefly explain the remedial measures to reduce the impacts of mining. (7.5)

Q4 (a) Define ecosystem. Give a detailed account of structural and functional attributes of an ecosystem. (10)

(b) Why the concept of food web is more realistic than the concept of food chain? (5)

Q5 (a) What do you understand by the tenn biodiversity? Discuss the concept of biodiversity at different hierarchical levels. (7.5)

(b) Elucidate different approaches of biodiversity conservation along with their merits and demerits. (7.5)

Q6 (a) What is water pollution? Briefly explain the effects and various control measures of water pollution. (7.5)

(b) What are wastelands. Give a detailed account of various methods or techniques for reclamation of wastelands. (7.5)

Q7 Write short notes on any three of the following : 5×3=15

(i) Environmental ethics.

(ii) Life expectancy.

(iii) Role of IT in environmental and health.

(iv) Universal Declaration of Human Rights.