2018

BOTANY

BOT -206 (Elective)

BIODIVERSITY AND CONSERVATION

Full Mark: 40

Time: 1½ hours

The figures in the margin indicates full marks for the questions :

Q1). **Answer the following** *Multiple Choice Questions (all are compulsory)* **(1 × 4= 4)**

(i) Historic convention on Biological diversity which is also known as Earth summit held in:

   (a) Rio de Janerio, 1992

   (b) Montreal, 1987

   (c) Paris, 1992

   (d) Delhi, 1993

(ii) The Germplasm Banks preserve rare genotypes for :

   (a) Breeding and improvement

   (b) Cultivation of large scale

   (c) Tracing the history of evolution

   (d) Study the phylogeny

(iii) Which of the following has highest percentage of endangered species?

   (a) Conifers   (c) Cacti

   (b) Cycads   (d) Ferns

(iv) How many bio-geographical regions are present in India?

   (a) 11   (c) 10

   (b) 2   (d) 8

P.T.O.

Q2). **Answer the following questions** (*any Three*)   (2 × 3 = 6)
    a. Differentiate between *in situ* and *ex situ* conservation.
    b. Differentiate between Biosphere reserve and National Parks.
    c. Differentiate between critically endangered and endangered.
    d. Write the full form WWF, WCED and NBPGR.

Q3). **Write an explanatory notes on of the following** (*any two*)
                                          (5 × 2 = 10)

    a. Seed Banks
    b. NBPGR
    c. Botanical Garden
    d. Cryobanks

Q4). **Answer the following questions** (*any One*)   (8 × 1 = 8)
    a. Explain the necessity of Biodiversity Act. Briefly mention the implementation of strategic plan for biodiversity conservation in India.   (4+4=8)
    b. Define protected areas? Write a brief note on protected areas of North East India.   (1+7=8)

Q5). **Answer the following questions** (*any One*)   (12×1=12)
    a. What Red Data book? Citing with examples discuss the different categories and criteria of IUCN Red List.   (2+10=12)
    b. What is biological diversity? Briefly discuss esthetic, food and economic value of Biodiversity.   (2+10=12)

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