

2016
BOTANY
BOT 206
BIODIVERSITY AND CONSERVATION

Full Mark : 40

Time : 1½ Hrs

Figures in the right hand margin indicate full marks for the question

Q1). Answer the following Multiple Choice Questions

(all are compulsory)

4 x 1 = 4

- (i) Which of the following region has maximum diversity?
- (a) Mangroves
 - (b) Temperate rainforest
 - (c) Temperate deciduous forest
 - (d) Coral reef
- (ii) Cryopreservation involves storage of cells from embryos and shoots tips in liquid nitrogen at __.
- (a) 0° C
 - (b) 5° C
 - (c) -196° C
 - (d) - 197° C
- (iii) Which of the following does not come under the threatened categories?
- (a) Endangered

- (b) Vulnerable
- (c) Least concern
- (d) Rare

(iv) The type of diversity including all the different kinds of living organisms found in a certain habitat is called as:

- (a) Species diversity
- (b) Genetic diversity
- (c) Ecosystem diversity
- (d) Population diversity

Q2). Answer the following questions (any Three) $3 \times 2 = 6$

- a. Differentiate between Biosphere reserve and National Parks.
- b. What are the common features of threatened plants?
- c. Differentiate between critically endangered and endangered.
- d. What do mean by biological diversity? Mention its significance.

Q3). Write an explanatory note on any two of the following

$2 \times 5 = 10$

- a. Wild Life Sanctuaries (WLS)
- b. Biopiracy
- c. Keystone species

- d. Social forestry
- e. Biodiversity Act of India
- f. NBPGR

Q4). Answer the following questions (any one) $1 \times 8 = 8$

- a. What is ex situ conservation? Write a brief note on International and National Initiatives for conservation of biodiversity. $1+7=8$
- b. What is RET Plants? Write a brief account on RET plants of NE India. $1+7=8$

Q5). Answer the following questions (any One) 12

- a. What is MAB? Write a brief account on Biosphere reserve and their role in conservation of biodiversity. 12
- b. Define Biodiversity. Explain esthetic, food and economic value of Biodiversity. Write the factors affecting biodiversity. $2+6+4=12$

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