

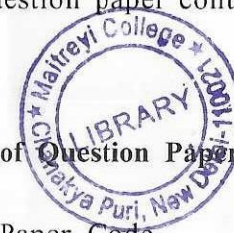
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- (e) Petro crops
4. (a) What are essential oils? Give the botanical name, family, part used and any three uses of sandalwood. (5)
- (b) Comment briefly on the role of forests within an ecosystem. (5)
- (c) Give an account on Ecological importance of legumes. (5)
5. (a) Discuss the similarities between angiosperms and gymnosperms along with the examples. (5)
- (b) Briefly summarise the uses of spices in Indian tradition and as food. Which spice is the costliest one and why? (5)
- (c) Emphasize on the uses of Medicinal plants in drug industry in context to Sarpagandha. (5)

(500)

21/12/23  
Evening  
[This question paper contains 4 printed pages.]



Your Roll No.....

Sr. No. of Question Paper : 2368

G

Unique Paper Code : 2164001001

Name of the Paper : Plant Diversity and Human Welfare

Name of the Course : Common Prog. Group

Semester : I

Duration : 2 Hours

Maximum Marks : 60

**Instructions for Candidates**

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **four** questions in all.
3. Question No. 1 is compulsory.
4. **All** questions carry equal marks.
5. **All** parts of a question must be answered together.

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1. (a) Define the following terms (Attempt any **five**)'.

(1×5=5)

- (i) Cash crop
- (ii) Non-alcoholic Beverages
- (iii) Biodiversity
- (iv) Vegetation
- (v) Plant variety
- (vi) Biofuels

(b) Write one word answer for each of the following (Attempt any **five**). (1×5=5)

- (i) The Red Gold of India –
- (ii) Any living fossil plant
- (iii) An example of algae used as biofertilizer –
- (iv) A crop used as birdseed –
- (v) An example of a multipurpose tree in India –
- (vi) The chemical constituent present in tobacco –
- (vii) The traditional sites in forests that are worshipped and meant for conservation –

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(c) Expand the following abbreviations (Attempt any **five**) : (1×5=5)

IUCN, FRI, CBD, PPVFRA, IARI, SDG, CDRI

2. Differentiate between the following (Attempt any **three**) : (5×3=15)

- (a) *In-situ* Conservation and *Ex-Situ* Conservation.
- (b) Bryophytes and Pteridophytes.
- (c) *Nicotiana tabacum* and *Nicotiana rustica*.
- (d) Agroforestry and Social Forestry.

3. Write short notes on the following (Attempt any **three**) : (5×3=15)

- (a) Conservation Strategies used in India
- (b) Ecological value of Biodiversity
- (c) Economic Importance of Gymnosperms
- (d) Tribal Rights Bill

P.T.O.