Total Pages : 3

End Semester Examination of Semester–II, 2016
Subject : BOTANY (PG)
Paper : BOTPG–204
(Economic Botany and Pharmacognosy)
Full Marks : 40
Time : 2 Hrs

The figures in the margin indicate the marks corresponding to the question.

Candidates are requested to give their answers in their own word as far as practicable.

Illustrate the answers wherever necessary.

Answer all the questions

1. Answer **any seven** of the following :　　　2×7=14

   a) What is pomology?

   b) What does it mean by Phytotherapy?

   c) What are Non Timber Forest Products (NTFPs)?

   d) Write the scientific name of two decorative foliage plants.

   e) What are bonsai?

   f) Name two spice yielding plants of India.

   g) Distinguish between resins and oleoresins.

h) Mention two important medicinal products of Aloe Species.

i) What are secondary metabolites?

j) Mention the end products of Sikkim acid pathway.

k) Name the important alkaloids of *Datura stramonium*.

l) What are glucosinolate? Where are these found?

2. Answer **any two** of the following: 5×2=10

a) Write the botanical names of one plant from each of the following categories—

   i) Essential oil

   ii) Fibre

   iii) Poison

   iv) Tanin Plants

   v) Canada baisam yielding

b) Describe in brief the preparation of herbal drugs for commercial market.

c) Mention the usable parts (as drugs), chemical nature of the following :

   i) Ergot

   ii) Clove $2\frac{1}{2}+2\frac{1}{2}$

d) Mention the role of NTFP/S in socio-economic development.

3. Answer **any two** of the following: 8×2=16

   a) Write down the cultivation practices of Tube rose. What are the market trading processes of its?   6+2

   b) Define ethnobotany? Mention its branches. Write the importance of this study in India.   1+3+4

   c) Write short notes on the following:

     i) Aesthetic value of Bonsai and

     ii) Culture practices in litchi.   4+4

   d) Define poisonous and toxic plants. Name two toxic plants used by the tribal communities and state their respective effects on human beings and other animals.   1+1+2+4