

B.Sc. BOTANY
FOURTH SEMESTER
PLANT RESOURCE UTILIZATION
BSB-942 [IDMn]
[USE OMR SHEET FOR OBJECTIVE PART]

SET
A

Duration: 1hr. 30 mins.

Full Marks: 35

(Objective)

Time: 15 mins.

Marks: 10

Choose the correct answer from the following:

1 × 10 = 10

- Name the family of Turmeric plant.
a. Moraceae
b. Theaceae
c. Verbenaceae
d. Zingiberaceae
- The general techniques of medicinal plant extraction are:
a. Maceration
b. Digestion
c. Decoction
d. All of above
- Name the medicinally important part of ginger.
a. Bulb
b. Corm
c. Rhizome
d. Offset
- "Citronellol" is an essential oil constituent of:
a. Lemon grass
b. Rose
c. Jasmine
d. Tulsi
- Botanical name of Basil is:
a. *Ocimum sanctum*
b. *Mentha arvensis*
c. *Zingiber officinalis*
d. *Vetiveria zizanioides*
- The maize is domesticated around:
a. 7000BC
b. 9000BC
c. 8500BC
d. 5000BC
- Saffron is obtained from the flowers of:
a. *Adhatoda sp.*
b. *Crocus sativus*
c. *Justicia sp.*
d. None of these
- Hemidesmus indicus* commonly found in:
a. Assam
b. Arunachal Pradesh
c. Meghalaya
d. South India
- Which of the following plant is used as stimulant diuretic expectorant?
a. Ginger
b. Onion
c. Garlic
d. Cinnamon

10. Ferula asafetida commonly grown in:
- a. Kashmir
 - b. Assam
 - c. Kerala
 - d. West Bengal

(Descriptive)

Time : 1 hr. 15 mins.

Marks : 25

[Answer question no.1 & any two (2) from the rest]

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| 1. Write short notes on: (<i>any one</i>) | 5 |
| a) Ginger | |
| b) Basil | |
| 2. Write in detail about different herbal preparations methods of extraction. | 10 |
| Or | |
| Name the scientific name, family and part used of Henna or Amla plant. Write its medicinal uses. | 6+4=10 |
| 3. Write the functions of NBPGR. | 10 |
| 4. Write a short note on the importance of plant biodiversity. | 10 |
| 5. Write a short note on the drugs obtained from plant roots, stems and leaves. | 10 |

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