

**B.Sc. BOTANY
FOURTH SEMESTER
PLANT RESOURCE UTILIZATION
BSB-402**

**SET
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 1hr. 30 mins.

Full Marks: 35

Time: 15 mins.

Marks: 10

(Objective)

$1 \times 10 = 10$

Choose the correct answer from the following:

- Name the family of Ginger 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 the above
- Name the medicinally important part of ginger.
a. Bulb
b. Corm
c. Rhizome
d. Offset
- "Citronello" is an essential oil constituent of:
a. Lemon grass
b. Rose
c. Jasmine
d. Tulsi
- Botanical name of Mint is:
a. *Mentha arvensis*
b. *Abemoschus moscatus*
c. *Zingiber officinalis*
d. *Vetiveria zizanioides*
- Which of the following is a natural biological resource?
a. Biosphere
b. Hydrosphere
c. Atmosphere
d. All of the above
- Which of the following is not a plant resource?
a. Fibre
b. Honey
c. Edible oil
d. Biofuel
- The use of genetically modified microorganism like green algae to generate biofuel is known as:
a. 4th Generation biofuels
b. 3rd Generation biofuels
c. 2nd Generation biofuels
d. 1st Generation biofuels
- Any plant resources obtained from forests apart from timber and fuel are known as:
a. NTFPs
b. TFPs
c. MTPPs
d. None of the above
- Complex substances derived from phenolic acids are commonly known as:
a. Gums
b. Pigments
c. Tannins
d. Latex

(Descriptive)

Time : 1 hr. 15 mins.

Marks : 25

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

1. Write short notes on: (*any one*) 5
 - a) *Aloe vera*
 - b) Basil
2. Write in detail about different herbal preparations methods of extraction. 10
3. Write short notes on: 2×5=10
 - a) Hydrosphere
 - b) Biological resources
4. Discuss in brief about aromatic and medicinal plants as valuable plant resources. Write the botanical names of at least six medicinal plants. 7+3=10
5. Write short notes on: 2×5=10
 - a) NTFPs
 - b) Gums and their uses

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