

(4)

6. Write a note on *Saccharum officinarum*.
7. Briefly describe the process of retting of jute.
8. Write a note on amber.

Group—C

Answer *any one* question from the following :
8×1=8

9. Mention the active principles and uses of the following ethnobotanical plants :
Adhatoda zeylanica, *Aloe vera*, *Abrus precatorius*,
Strychnos nux-vomica. 2×4=8
10. Write a note on *Chrysopogon zizanioides*. 8

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Total Pages—04

PG/2nd Sem/BOT-204/24

2024

M.Sc. 2nd Semester Examination

BOTANY

PAPER : BOT-204(CBCS)

Full Marks : 40

Time : 2 hours

*The figures in the right-hand margin indicate marks.
Candidates are required to give their answers
in their own words as far as practicable.
Illustrate the answers wherever necessary.
Answer from both the Sections.*

Section—I

(BOT 204.1)

(Marks : 20)

Group—A

Answer *any two* questions from the following :
2×2=4

1. Give the position of *Pseudomonas* and *Saccharomyces* in Whittaker's five kingdom.

(2)

2. Name the constituents of plant cell wall.
3. Name the early vascular plant and mention its age of occurrence.
4. Name two beneficial contributions of bacteria.

Group—B

Answer *any two* questions from the following :

4×2=8

5. Highlight the distinction between the 'Five Kingdom' and 'Three Domain' concepts.
6. Enumerate the characteristic features of two divisions of algae.
7. Write a note on economic importance of gymnosperm.
8. Name four different body parts of angiospermous plants and state their function.

Group—C

Answer *any one* question from the following :

8×1=8

9. Differentiate bacteria on the basis of their flageller arrangements. How bacterial flagella differs from eukaryotic flagella? 5+3=8

/1115

(Continued)

(3)

10. Write a comprehensive note on the tissue systems of plants and the characteristics of plant cell.

Section—II

(BOT 204.2)

(Marks : 20)

Group—A

Answer *any two* questions from the following :

2×2=4

1. Name two dye yielding plants from Jangal Mahal.
2. Write the scientific name of Madur Kahi mentioning its family.
3. Name the plant parts from which jute and cotton are obtained.
4. Write down the botanical name of two edible oil yielding plants mentioning their families.

Group—B

Answer *any two* questions from the following :

4×2=8

5. Write down the role of Solar plant in South West Bengal areas.

/1115

(Turn Over)