M 6014

Reg. No. : ....

Name : ....

VI Semester B.Sc. Degree (CCSS – Reg./Supple./Improv.) Examination, May 2014
Core Course in Botany/Plant Science
6B19 BOT/PLS 1. : UTILITY OF PLANTS AND MEDICINAL BOTANY
(Elective)

Time : 3 Hours

Total Weightage : 30

SECTION – A

1. Choose the correct answer.

    i) Which of the following is not a cereal ?
       a) Paddy   b) Wheat   c) Ragi   d) Maize

    ii) Of these, which vegetable is solanaceous ?
        a) Pumpkin   b) Cucumber   c) Tomato   d) Soyabean

    iii) A spice that contains tartaric acid.
         a) Clove   b) Cinnamon   c) Tamarind   d) Ginger

    iv) Medicine from the Kaanis of Western Ghats
        a) Sida rhombifolia   b) Trichopus zeylanicus
        c) Rauwolfia serpentina   d) Withania somnifera

2. State **true** or **false**.

    i) Vasaca is used to treat cough.

    ii) Saraca indica is Asokam.

    iii) Potato is a root tuber.

    iv) Coir is obtained from secondary xylem.

3. Fill in the blanks.

    i) _____ is the useful part in nutmeg.

    ii) Fennel belongs to the family _____.

    iii) Holy basil is _____.

    iv) _____ is used to make a healthy porridge for newborns.

4. Rearrange column **B** and **C** to match column **A**.

A	B	C
Pineapple	Starch	Digestive enzyme
Rice	Cassava	Endosperm
Tapioca	Spice	Rhizome
Ginger	Bromelin	Tuber

5. Answer in **one** word.

   i) Give botanical names of the components of triphala.

   ii) Name two subsidiary sources of sugar. Give their binomials.

   iii) What is use of quinine, from which part of the source plant is it extracted ?

   iv) Name the source plant of cotton.

   (5×1=5)

SECTION – B

Answer **any four** of the following. **Each** carries a weightage of **1**.

Differentiate the following.

6. Cereals and millets.

7. Tuber in carrot and colocasia.

8. Cinnamon and clove.

9. Homeopathy and ayurveda.

10. Coir and jute.

11. Pulses and spices.

   (4×1=4)

SECTION – C

Short answer questions. Answer **any five** of the following. **Each** carries a weightage of **1**.

12. Name two economically important plants from Euphorbiaceae.

13. Give the botanical name, family and morphology of the useful part in Colocasia.

14. Give the binomial of two medicinal plants from Lamiaceae.

15. Give two uses of Aswagandha.

16. Name a narcotic drug and its source plant.

17. What is known as the Indian saffron ?

18. Expand AYUSH.

   (5×1=5)

SECTION – D

Short answer questions. Answer **any six** of the following. **Each** carries a weightage of **2**.

19. Write short notes on fibre yielding plants.

20. Give the binomials, family and morphology of the useful part in four vegetable plants.

21. What are the activities of CIMAP ?

22. Give an account on crude drugs obtained from bark, roots and leaves.

23. Write what you know about unani medicine ?

24. Pharmacognosy is a link between pharmaceuticals and basic science. Discuss.

25. List out the plants used in primary health care giving their binomials and family.

26. Write notes on any four fruit yielding plants.

   (6×2=12)

SECTION – E

Essay type questions. Answer **any one**. **Each** carries a weightage of **4**.

27. An important milestone in our march for the attainment of higher objectives in the field of traditional medicine is the establishment of the Centre for Medicinal Plants Research. Discuss.

28. Write an essay on the pulses you have studied, bring out their various uses along with the binomials and morphology.

29. Some plants of traditional medicine serve as resource for modern medicine. Explain giving suitable examples.

   (1×4=4)

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