Roll No. .....

E–780

M. Sc. (Third Semester)

EXAMINATION, Dec.-Jan., 2020-21

BOTANY

(Elective-III)

[Ethnobotany (I) (IV)]

Time : Three Hours] [*Maximum Marks : 80*

Note : Attempt all Sections as directed.

Section—A 1 each

(Objective/Multiple Choice Questions)

Note : Attempt all questions.

Choose the correct answer :

1. One of the following is a plant of great medicinal value :

   (a) *Brassica oleraceae*

   (b) *Rauwolfia serpentina*

   (c) *Coffea robusta*

   (d) *Cryptostegia grandiflora*

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2. Azadirachta india is used for :

   (a) Blood Purification

   (b) Lice Killer

   (c) Tonic for Liver

   (d) All of the above

3. Mangifera indica is used for :

   (a) Unhealing injuries

   (b) Loose motion

   (c) Both (a) and (b)

   (d) None of the above

4. Which tribal people treat disease through mark of hot iron rod ?

   (a) Bhunjia

   (b) Baiga

   (c) Pando

   (d) Halba

5. Who is father of Ethnobotany ?

   (a) Dr. Schultes

   (b) J. Martin

   (c) Janaki Ammal

   (d) Dr. S. K. Mishra

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6. Saffron is produced from :

   (a) Roots of indigofera

   (b) Petals of Rosa

   (c) Stamens of Hibiscus

   (d) Style and Stigma of Crocus

7. Fibre of great commercial importance derived from epidermis is :

   (a) Flax

   (b) Hemp

   (c) Coir

   (d) Cotton

8. Castor oil is obtained from :

   (a) *Sesamum indicum*

   (b) *Linum* spp

   (c) *Brassica compestris*

   (d) *Ricinus communis*

9. The alkaloid colchicine is obtained from :

   (a) Dried corm of colchicum

   (b) Dried flower of colchicum

   (c) Dried seed of colchicum

   (d) All of the above

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10. Ficus benghalensis is used for :

    (a) Mensis Pain

    (b) Jaundice

    (c) Hepatitis

    (d) All of the above

11. Name the tribal who loves to make tattoos most :

    (a) Kamar

    (b) Abujhmaria

    (c) Baiga

    (d) Muriya

12. What is the evolutionary advantage for plants to make phytochemicals ?

    (a) They are useful for human consumption

    (b) They provide defenses against insects eating them

    (c) They are vital to plant survival

    (d) They store a variety of chemicals

13. Chinese herbalism is credited with the discovery of this drug found in the plant they call Ma-Huang :

    (a) Cocaine

    (b) Theobromine

    (c) Ephedrine

    (d) Capsaicin

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14. Pepper spray is a concentrated form of which phenol ?

    (a) Amphetamine

    (b) Capsaicin

    (c) Mescaline

    (d) Scovilline

15. Satawar is the family belongs to :

    (a) Moringaceae

    (b) Asparagaceae

    (c) Zingiberaceae

    (d) Commelinaceae

16. Kalmegh is used for :

    (a) Jaundice

    (b) Fever

    (c) Cancer

    (d) Protect liver and gall bladder

17. Central Drug Research Institute is situated in :

    (a) Bhopal

    (b) Nagpur

    (c) Bangalore

    (d) Lucknow

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18. Plants like aegle marmelos, oscimum sanctum and ficus religiosa are designated as :

    (a) Sacred Plants

    (b) Traditional Plants

    (c) Medicinal Plants species

    (d) Traditional Food crops

19. Safed musli is the name of :

    (a) *Chlorophytum tuberosum*

    (b) *Cassia fistulosa*

    (c) *Aclypha indica*

    (d) *Corchorus capsularis*

20. Ethnobotanical records are stored in.....database.

    (a) SEPASAL

    (b) PLANIMAL

    (c) EMBL

    (d) NAPRALERT

Section—B 2 each

(Very Short Answer Type Questions)

Note : Attempt all questions.

1. Name *two* ethnobotanical research institutes in India.
2. Name *two* pioneer scientists, they worked in Enthnobotanical fields in India.

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3. Write the name of seven different tribes of Chhattisgarh.
4. Write the *two* methods for studies of ethnobotany.
5. Write the name of Ethnoveterinary medicine from plants.
6. Write the different ethnobotanical products from Pteridophytes.
7. Write the botanical name and family of castor plants.
8. Write the uses of Andrographis Paniculata.

Section—C 3 each

(Short Answer Type Questions)

Note : Attempt all questions in 75 words.

1. Write about different disciplines of ethnobotany.
2. Write the practical applications of ethnnobotany.
3. What is Abujhmaria tribes in Chhattisgarh.
4. Explain the Taboos.
5. Give the name and their brief accounts of *three* minor forest products in Chhattisgarh.
6. Give some details of ethnobotanical importance of gymnosperms.
7. Write a short note on *Emblica officinalis*.
8. Write the medicinal properties of *Cassia fistula*.

Section—D 5 each

(Long Answer Type Questions)

Note : Attempt all questions in about 150 words.

1. Write detailed account on ethnobotanical research work in India.

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2. Describe the arts and literature aspects in the field of ethnobotany.

3. Describe a ethnobotanical importance of bacteria and fungi.

Or

Write a note on the major forest products of Chhattisgarh.

4. Give a detailed account of *Ricinus* and *Asparagus*.

Or

Describe the medicinal properties of oscimum sanctum and Aloevera.

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