

HONOURS

480/Bot

SKBU/UG/4th Sem/Bot/HT405/21

U.G. 4th Semester Examination - 2021

BOTANY

Course Code : BBOTSEHT405

Course Title : Herbal Technology

Full Marks : 50

Time : 2 Hours

The figures in the right-hand margin indicate marks.

Answer all the questions by choosing correct alternative:

2×25=50

1. What is the major source of ancient herbal medicinal knowledge?
 - a) Ayurveda
 - b) Siddha
 - c) Unani
 - d) All of the above
2. Who coined the term 'pharmacognosy'?
 - a) Gottlieb Haberlandt
 - b) Richard Evans Schultes
 - c) John Schmidt
 - d) Robert Koch

3. Which book does not contain ancient medicinal knowledge?
 - a) De Materia Medica
 - b) Lehr Buch der Materia Medica
 - c) Yajurveda
 - d) Madhav Nidan
4. Siddha system of medicine has been written in which language?
 - a) Sanskrit
 - b) Devnagari
 - c) Telugu
 - d) Tamil
5. Why is drying an important step in medicinal plant processing?
 - a) Removal of moisture to prevent it from decomposing
 - b) Partial inhibition of enzymatic reactions
 - c) Improving crude drug content
 - d) All of the above
6. To which family does Tulsi belong?
 - a) Apocynaceae
 - b) Rubiaceae
 - c) Lamiaceae
 - d) Malvaceae

[Turn Over]

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(2)

7. Which chemical gives the pungent smell and taste in ginger?
- Shogaol
 - Zingerone
 - Gingerol
 - All of the above
8. Side effects of fenugreek are:
- Abdominal distention
 - High blood pressure
 - High blood sugar
 - Breathing problem
9. Parts of Indian gooseberry used in Ayurveda are:
- Fruits and seeds
 - Leaves and root
 - Bark and flowers
 - All of the above
10. The bark of which tree is used in cosmetics for improving complexion?
- Polyalthia longifolia*
 - Pongamia glabra*
 - Samania saman*
 - Saraca asoca*
11. Which of the following is an insulin stimulator?
- Vinblastine
 - Vincristine
 - Catharantine
 - Vincoline
12. What are the bioactive compounds in *Withania* collectively called?
- Withanolides
 - Withanoides
 - Withanomides
 - Withanocides
13. Extracts of *Clerodendrum phlomidis* is useful as?
- Anti-rheumatic
 - Anti-inflammatory
 - Anti-obesity
 - All of the above
14. The active compound from *Centella asiatica* said to work in CNS is:
- Asiaticoides
 - Brahmoside
 - Brahminoside
 - Both (b) and (c)

15. What is meant by sophistication in drug adulteration?
- Intentional adulteration
 - Unintentional adulteration
 - Accidental adulteration
 - None of the above
16. Toxic, symptomatic and tissue methods are types of which drug evaluation method?
- Chemical
 - Morphological
 - Physical
 - Biological
17. Mayer's Test is used to detect:
- Alkaloid
 - Terpenoid
 - Steroid
 - Flavonoid
18. What is the colour which determines the presence of phytosterols in Liebermann's test?
- Yellow
 - Pink
 - Orange-red
 - Bluish green
19. Dichloromethane is used as a solvent (when sample does not dissolve in water or ethanol) in which test?
- Dragendorff's test
 - Fehling's test
 - Ferric chloride test
 - All of the above
20. Foam test is done to detect the presence of:
- Alkaloids
 - Phenol
 - Sterol
 - Saponin
21. What is micropropagation?
- Microbe culture
 - Viral culture
 - Tissue culture
 - All of the above
22. Low concentration of 6-benzyladenine is essential for shoot propagation in:
- Withania somnifera*
 - Azadirachta indica*
 - Ocimum sanctum*
 - Centella asiatica*

23. Bitter flavour of neem comes from:
- a) Azadiractin
 - b) Limonoid
 - c) Catechin
 - d) Quercetin
24. Which plant extract is used in biofertilizers as a nitrification inhibitor?
- a) *Ocimum sanctum*
 - b) *Catharanthus roseus*
 - c) *Azadirachta indica*
 - d) *Withania somnifera*
25. What are the different methods of conservation of medicinal plant?
- a) *In vitro* storage
 - b) Freezing cuttings from the plant
 - c) Stocking seeds
 - d) All of the above
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