

U.G. 4th Semester Examination - 2022**BOTANY****[HONOURS]****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 following questions by choosing the correct alternative out of four options: 2×25=50

1. Who was the author of the book 'De Materia Medica'?
 - a) Aeliux Galenus
 - b) Pedanius Dioscorides
 - c) Sushrutha
 - d) Hippocrates
2. Among the following which is used as a Cardiotonics?
 - a) Arjuna
 - b) Ephedra
 - c) Curcuma
 - d) Senna
3. Which part of cinchona is used in making of quinine?
 - a) Leaves
 - b) Bark
 - c) Root
 - d) Fruits

4. Nux-vomica seed belongs to family –
 - a) Rubiaceae
 - b) Loganiaceae
 - c) Papaveraceae
 - d) Apocynaceae
5. Roof drug obtained from –
 - a) *Curcuma longa*
 - b) *Atropa belladonna*
 - c) *Acacia catechu*
 - d) *Strychnos nux-vomica*
6. Ginger belongs to the family -
 - a) Piperaceae
 - b) Zingiberaceae
 - c) Acanthaceae
 - d) Combretaceae
7. Seeds of Fenugreek used in the treatments of –
 - a) Diabetes
 - b) Leucorrhoea
 - c) Blood dysentery
 - d) Kidney stone
8. Scientific name of Indian gooseberry is –
 - a) *Zingiber officinalis*
 - b) *Justicia adhatoda*
 - c) *Foenum graecum*
 - d) *Embilica officinalis*
9. Which part of *Withania Somnifera* contain medicinally active principles?
 - a) Leaves & Flowers
 - b) Stem
 - c) Bark
 - d) Root

10. Antineoplastic property of *Catharanthus roseus* due to the presence of alkaloid–
- Morphine & Strychnine
 - Quinine & Ephedrine
 - Vincristine & Vinblastine
 - Nicotine & Chlorodendrin
11. Deliberate addition of inferior or spurious materials to the original drug is called –
- Substitution
 - Inferiority
 - Admixture
 - Sophistication
12. Macroscopic method of drug evaluation includes –
- Total ash value
 - Cellular structure
 - Shape and size
 - Water Solubility
13. The residue remaining after incineration of a drug is called –
- Extract
 - Ash
 - Waste material
 - Foreign matter
14. Dragendorff's test is performed for the detection of –
- Flavonoids
 - Phenol
 - Alkaloid
 - Steroid
15. Presence of triterpenoid is confirmed by which of the following test?
- Mayer's test
 - Wagner's test
 - Marme's test
 - Lieberman Burchardt test
16. Siddha System of medicine originated from –
- Tamil Culture
 - Bengali Culture
 - Punjabi Culture
 - North-East Culture
17. Totipotency refers to –
- Development of fruit from flower in a culture.
 - Development of an organ from a cell in a culture.
 - Flowering in a culture
 - All of the above
18. Rosamarinic acid is a active principle of –
- Tulsi
 - Neem
 - Poison gooseberry
 - Catharanthus
19. Most used culture medium in medicinal plant's tissue culture is –
- White's media
 - MS media
 - Nitsch's media
 - B₅ media

20. 2, 4-D is a –
- a) Synthetic auxin b) Natural auxin
 - c) Natural cytokinin d) Synthetic cytokinin
21. Small piece or portion of mother plant used in tissue culture is called –
- a) Callus b) Meristem tissue
 - c) Explant d) Vascular tissue
22. Azadirachtin obtained from –
- a) Aloe b) Neem
 - c) Tulsi d) All of the above
23. World's largest medicinal plant's seed bank located in –
- a) New York b) Canada
 - c) Lucknow d) Dehradun
24. Hormone applied to rapid root production of *Withania Somnifera* culture medium is –
- a) Gibberelin b) 2,4-D
 - c) BAD d) All of the above
25. Which one of the following active compound is a saponin?
- a) Vincristine b) Centelloside
 - c) Withanolide d) Cantharenthine