

Time: 3 Hours

Total Marks: 75

Q.1. Attempt all MULTIPLE CHOICE QUESTIONS (Each question carry 1M)

MULTIPLE CHOICE QUESTIONS

M
1

1. Which of the following is an example of traditional method of herbal drug authentication?
 - A Herbarium voucher Specimen
 - B HPLC Fingerprinting
 - C HPTLC fingerprinting
 - D Molecular Fingerprinting

2. _____ Plant derived materials or products with therapeutic or other human health benefit which contain either raw or processed ingredients from one or more plants
 - A Herbal Extract
 - B Herbal Medicine
 - C Herb
 - D Phytoconstituents

3. Which of the following is an example of secondary processing
 - A Drying
 - B Garbling
 - C Roasting
 - D Washing

4. Which of the following is NOT a part of Biodynamic agriculture?
 - A Emphasizes use of manures and compost
 - B Includes use of synthetic fertilizers
 - C Emphasizes use of manures and compost
 - D Use of astrological sowing and planting calendar

5. The four humour theory of Hippocrates is involved in _____ system of medicine
 - A Ayurveda
 - B Unani
 - C Siddha
 - D Yoga

6. _____ is the fermenting agent added in preparation of Asava/Arishta
 - A *Piper nigrum*
 - B *Woodfordica fruticosa*
 - C *Glycyrrhiza glabra*
 - D *Piper longum*

7. Which Nutraceutical is obtained from animal source 1
 A Alfa alfa
 B Honey
 C Garlic
 D Spirulina
8. Particle size is the evaluation parameter for which of the following Ayurvedic preparation 1
 A Avaleha
 B Gutika
 C Bhasma
 D Avaleha
9. _____ herb is a known enzyme inducer and alters the activity of many drug by interacting at pharmacokinetic level 1
 A Ephedra
 B Hypericum
 C Pepper
 D Ginko biloba
10. Glucomannans are present in which of the following drugs? 1
 A Meswak
 B Aloe
 C Lemon
 D Ginseng
11. Which of the following drug is obtained from Solanaceae family 1
 A Alfalafa
 B Ashwagandha
 C Ginseng
 D Garlic
12. Following nutraceutical is used as phytoestrogen supplement in menopausal syndrome 1
 A Ginseng
 B Alfalfa
 C Chicory
 D Spirulina
13. Stevia is an example of 1
 A Natural sweetener
 B Natural colorant
 C Natural binder
 D Natural thickening agent

14. *Melaleuca alternifolia* is the biological source of 1
- A Citrus peels
 - B Tea tree oil
 - C Meswak
 - D Onion
15. *Trigonella foenum-graecum* is recommended as nutraceutical for 1
- A Asthma
 - B Diabetes
 - C Immunostimulant
 - D Anti-Coagulant
16. Which of the following is NOT an evaluation parameter for herbal syrup 1
- A pH
 - B Viscosity
 - C Spreadability
 - D Specific gravity
17. As per WHO guidelines, _____ parameter is used to assess the safety of herbal drugs 1
- A Alcohol Soluble extractive
 - B Aflatoxin
 - C Ash value
 - D Water soluble extractive
18. _____ refers the process of discovering and using biological resources to develop new products 1
- A Bio-piracy
 - B Bio-prospecting
 - C Patent
 - D Agreement
19. _____ refers to the guidelines and regulations for the manufacture and sale of Ayurvedic, Siddha, and Unani (ASU) drugs under the Drugs and Cosmetics Act, 1940. 1
- A Schedule M
 - B Schedule T
 - C Schedule Y
 - D Schedule Z
20. Which of the following cannot be patented 1
- A New use of phyto-constituents
 - B New herbal dosage form
 - C Traditional Knowledge
 - D Isolation of Phyto-constituents

Q.2. Answer ANY 2 of the following

20M

1. What are bio-pesticides, classify Bio-pesticides. Write a note on any two biopesticides
2. Describe any two excipients of natural origin used as perfume and dis-integrant
3. Describe infrastructure requirement for manufacturing of ASU drugs as per Schedule T.

Q.3 Answer ANY 7 of the following

35M

1. Describe the method of preparation and standardization of Avaleha with example
2. Explain herb drug interaction of Pepper and Garlic
3. Enlist different methods of authentication. Write a note on any one modern method of authentication with example.
4. Discuss the case study of Neem with respect to patenting aspect.
5. Describe method of preparation, advantages and disadvantages of any one novel herbal dosage form
6. Define the terms IPR, Patent, Farmers right, Breeder's right and Biopiracy
7. Write a note on government recognized herbal research institution in India.
8. Explain sources and properties of any two herbal drugs used in hair care formulations.
9. Write a note on Spirulina and Ginger as health food.