

Time: 3 Hours

N.B.: All Questions Are Compulsory

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Q. 1 Multiple choice questions (Each question carry 1M)

1. Which of the following is the modern method of herbal drug authentication?
 - a) Phytochemical Screening
 - b) Herbarium voucher specimen
 - c) Chromatographic fingerprinting
 - d) Proximate analysis
2. Which of the following is an example of secondary processing method?
 - a) Roasting
 - b) Drying
 - c) Garbling
 - d) Washing
3. _____ are prepared by pouring cold water over drug material
 - a) Decoction
 - b) Infusion
 - c) Tincture
 - d) Liniment
4. Which of the following is involved in Organic farming?
 - a) Excessive use of synthetic fertilizers to enhance herb growth
 - b) Use of Organic compost
 - c) Emphasis on growing genetically modified herbs
 - d) Use of synthetic pest control agent
5. Foundation of _____ system was laid by Hippocrates
 - a) Ayurveda
 - b) Unani
 - c) Siddha
 - d) Yoga
6. _____ the semi-solid preparation of drugs, prepared with addition of Jaggery, sugar or sugar-candy and boiled with prescribed juices or decoction.
 - a) Asava
 - b) Avaleha
 - c) Churna
 - d) Gutika
8. Which Nutraceutical is obtained from marine source
 - a) Alfa alfa
 - b) Honey
 - c) Garlic
 - d) Spirulina

9. _____ herb interact at pharmacokinetic level with many drugs and exerts bioavailability enhancing effect

- a) Ephedra
- b) Ginseng
- c) Pepper
- d) Ginkgo biloba

10. _____ is known as tooth brush tree

- a) Meswak
- b) Aloe
- c) Lemon
- d) Ginseng

11. Which of the following drug is obtained from Liliaceae family

- a) Alfalfa
- b) Ashwagandha
- c) Ginseng
- d) Garlic

12. Following nutraceutical is used as Adaptogen.

- a) Ginseng
- b) Honey
- c) Chicory
- d) Spirulina

13. Oleic acid is a constituent of

- a) Almond
- b) Beeswax
- c) Wool fat
- d) Aloe vera

14. Azadiractin is present in _____

- a) Citrus peels
- b) Tea tree oil
- c) Neem
- d) Morphine

15. Which of the following drug contains steroidal lactones

- a) Garlic
- b) Ashwagandha
- c) Chicory
- d) Spirulina

16. _____ is example of non-nutritive sweetener

- a) Liquorice
- b) Acacia
- c) Tragacanth
- d) Honey

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N.B:

17. The draft of _____ is prepared by the sub-committee of Ayurveda, Siddha, Unani Drug Technical Advisory proposed to make clinical trials mandatory for all the patent or proprietary) medicines so as to examine the shelf life of ASU medicines.

- a). Schedule T b). Schedule Y
c). Schedule Z d) Schedule M

18. _____ refers to an exclusive right which is granted to an inventor

- a) Bio-piracy b). Patent
a. Affiliation d) Agreement

19. The term DCC in ASU stands for _____

- a) Drug confirmation committee
b) Drug Consultation Committee
c) Drug Consultative Committee
d) Drug Cooperative Committee

20. Muffle furnace is required for which of the following Ayurvedic preparation

- a) Churna b). Bhasma
b) Ghrita d) Vati

Q.2. Answer **any 2** of the following

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1. a. Write a note on two nutraceuticals used to manage Diabetes.
b. Write a note on Organic farming.
2. Describe any two Colourants & Binders as natural excipient in herbal formulations.
3. Describe the objectives and components of Schedule T.

Q.3 Answer **any 7** of the following

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1. Describe the method of preparation, standardization and marketed examples of Asava
2. Classify herb drug interaction. Explain herb drug interaction of hypericum
3. Explain any one modern method of Herbal drug authentication
4. Discuss the case study of Curcumin with respect to patenting aspect.
5. What are phytosomes. Write advantages and disadvantages of phytosomes.
6. Explain stability testing of herbal drugs as per ICH guidelines.
7. Write brief account of industries involved in preparation of herbal medicines
8. Explain sources and properties of any two herbal drugs used in skin care formulations.
9. Write a note on Amla and Fenugreek as health food.