

Question Paper

Exam Date & Time: 17-May-2024 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Herbal Drug Technology [PCO-BP603T-S1]

Marks: 75

Duration: 180 mins.

I Multiple Choice Questions (MCQs)

Answer all the questions.

Section Duration: 30 mins

- 1) The Word Herb is derived from a latin word (1)
- [Herbarium](#)
[Herba](#)
[Herbaum](#)
[Harba](#)
- 2) Putan in Bhasma preparation meaning (1)
- [Trituration](#)
[Filtration](#)
[Stirring](#)
[Heating](#)
- 3) Undesired plants in the field are known as (1)
- [Pest](#)
[Cover](#)
[crops](#)
[Weeds](#)
[Buffers](#)
- 4) Powder made by calcination is known as (1)
- [Arka](#)
[Ghrita](#)
[Paka](#)
[Bhasma](#)
- 5) Siddha system of medicine originate from (1)
- [Tamil culture](#)
[Bengali culture](#)
[Punjabi culture](#)
[North East culture](#)
- 6) Primary processing does not includes (1)
- [Garbling](#)
[Washing](#)
[-](#)
[Drying](#)

Extraction

7) Example for Dietary fiber is _____ (1)

- Pectin
- α -linolenic acid
- Docosahexanoic acid
- Linoleic acid

8) Common name of Momordica charantia is _____ (1)

- Ginseng
- Onion
- Fenugreek
- Bitter melon

9) Catechin is present in _____ (1)

- Fenugreek
- Green Tea
- Garlic
- Coconut oil

10) Nutraceuticals used in the prevention of Cancer is _____ (1)

- Quercetin
- Anethole
- Peppermint oil
- Cocoa

11) Garlic belongs to the family _____ (1)

- Leguminosae
- Liliaceae
- Umbeliferae
- Rubiaceae

12) Preferred flavours used to mask their unpleasant odour of Antibiotics is _____ (1)

- Vanilla
- Grape
- Honey
- Lime

13) Moisture content determination by Distillation method (Azeotropic method) the sample is distilled along with a water immiscible solvent like _____ (1)

- Ether
- Toluene
- Acetone
- Benzene

14) Drugs and Cosmetics Act came in _____ (1)

- 1939
- 1940
- 1942
- 1943

15) The quality control section in Herbal Industry should have minimum ___sq. ft. area _____ (1)

- 150
200
250
300
- 16) Machinery required for manufacturing of medicine comes under (1)
- Part - I
Part - II
Part - III
Part - IV
- 17) Quarantine includes (1)
- Storage of finished goods
Storage of final products
Storage of raw materials
Destination of raw materials
- 18) Minimum area required for setting up ASU Medicine manufacturing unit is (1)
- 1200 Square Feet
800 Square Feet
600 Square Feet
700 Square Feet
- 19) Central Drug Research Institute is a multidisciplinary research laboratory located in (1)
- Lucknow
Delhi
Mumbai
Bangalore
- 20) Central Institute of Medicinal and Aromatic plants was established in (1)
- 1970
1959
1969
1980

II Long Answers

Answer all the questions.

- 1) Describe in detail Patent Filing Procedure in India. (10)
- 2) Explain the role of fixed oils, gums and waxes obtained from herbal origin in cosmetics with examples. (10)

III Short Answers

Answer all the questions.

- 1) Write a note on herbal bleaching agents used in Cosmetics. (5)
- 2) Explain possible interactions of Hypericum and Kava-kava with conventional medicines. (5)
- 3) Describe any five medicinal plant-based industries. (5)
- 4) Describe basic principle involved in Ayurveda. (5)
- 5) Give a descriptive note on processing of herbal raw materials. (5)
- 6) Write a brief note on Ash value and extractive value. Give its significance. (5)

7)

Explain Batch Manufacturing Record (BMR) and Distribution Record (DR).

(5)

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