

Exam Date & Time: 23-Jul-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Herbal Drug Technology [PCO-BP603T]

Marks: 75

Duration: 180 mins.

I Multiple Choice Questions (MCQs)

Answer all the questions.

Section Duration: 30 mins

- 1) Which animal is used in "500" Field preparations in Biodynamic agriculture? (1)
- | | | | |
|--------|----------|------------|---------|
| 1) Cow | 2) Sheep | 3) Buffalo | 4) Goat |
|--------|----------|------------|---------|
- 2) Manicure products are used for caring _____ (1)
- | | | | |
|---------|---------|---------|---------|
| 1) Skin | 2) Hair | 3) Nail | 4) Oral |
|---------|---------|---------|---------|
- 3) Part- II - of Schdule -T of ASU Medicine refers to (1)
- | | | | |
|--------------|--------------------------------|--------------------|-----------------------------------|
| 1) Machinery | 2) Record of marker complaints | 3) Quality control | 4) Requirement of sterile product |
|--------------|--------------------------------|--------------------|-----------------------------------|
- 4) "Bifidobacterium bifidum" is an example for which of the following categories of Nutraceuticals? (1)
- | | | | |
|-------------|-------------|---------------|---------------|
| 1) Vitamins | 2) Minerals | 3) Prebiotics | 4) Probiotics |
|-------------|-------------|---------------|---------------|
- 5) Total ash refers to (1)
- | | | | |
|----------------------|--------------------------|--|----------------------|
| 1) Physiological ash | 2) Non-physiological ash | 3) Physiological and Non physiological ash | 4) None of the above |
|----------------------|--------------------------|--|----------------------|
- 6) "Srotas" in Ayurveda refers to _____ in our body (1)
- | | | | |
|----------|-------------|-----------|------------|
| 1) Bones | 2) Chennels | 3) Nerves | 4) Kidneys |
|----------|-------------|-----------|------------|
- 7) Which of the following is a non -comedogenic oil? (1)
- | | | | |
|------------|--------------|----------|-----------|
| 1) Coconut | 2) Sunflower | 3) Olive | 4) Jojoba |
|------------|--------------|----------|-----------|
- 8) Berne convention is connected to (1)
- | | | | |
|----------------|--------------|-----------------|-----------|
| 1) Trade marks | 2) Copyright | 3) Trade secret | 4) Patent |
|----------------|--------------|-----------------|-----------|
- 9) Chicory belongs to the _____ family (1)
- | | | | |
|----------------|---------------|-----------------|---------------|
| 1) Leguminosae | 2) Piperaceae | 3) Papaveraceae | 4) Asteraceae |
|----------------|---------------|-----------------|---------------|
- 10) Minimum area required for setting up ASU Medicine manufacturing unit is _____ Sq Feet (1)
- | | | | |
|---------|---------|---------|---------|
| 1) 1000 | 2) 1050 | 3) 1100 | 4) 1200 |
|---------|---------|---------|---------|
- 11) The term Homeopathy was coined by (1)
- | | | | |
|------------|--------------|--------------|-----------|
| 1) Charaka | 2) Hahnemann | 3) Sushrutha | 4) Darwin |
|------------|--------------|--------------|-----------|

12) Plant breeders' Rights will apply for

1) Production/Reproduction (multiplication)	2) Private and non-commercial application	3) Only for experimental use	4) Discovering and developing other varieties
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(1)

13) Boiling the crude drug with specific volume of water for specific period of time to obtain

1) Infusion	2) Tincture	3) Decoction	4) Lotion
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(1)

14) Vati means in Ayurveda is

1) Capsules	2) Tablets	3) Syrups	4) Ointments
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(1)

15) Bixin is a natural colourant obtained from

1) Annatto	2) Henna	3) Turmeric	4) Indigo
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(1)

16) "Moolai" meaning in Siddha medicine is

1) Bone	2) Bone marrow	3) Nerve	4) Muscle
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(1)

17) Churna is prepared by sieving the crude drugs powder through _____ numbers

1) 100	2) 60	3) 70	4) 80
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(1)

18) Which of the following natural product can be patented?

1) Plants growing wild	2) Natural molecule	3) A novel isolation process of natural products	4) Plants adopted for cultivation
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(1)

19) Hypericum is the name for which of the following drugs?

1) St. John's wort	2) Kava	3) Ginseng	4) Garlic
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(1)

20) Which of the following natural diluent is used in the preparation of formulations?

1) Acacia	2) Gelatin	3) Cellulose	4) Xanthan gum
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(1)

II Long Answers

Answer all the questions.

- 1) Compare Asavas with Aristas. Give a detailed procedure for their preparation. How do you analyse alcohol content in such formulations. (10)
- 2) Define and give the criteria for granting patent. Explain in detail the various steps involved in filing a patent in India. (10)

III Short Answers

Answer all the questions.

- 1) Discuss briefly the biodynamic method of farming. (5)
- 2) Define and give various types of classification of Nutraceuticals. (5)
- 3) What is skin? With the help of a neat labelled diagram, describe its physiology. (5)

- 4) Define and describe the methods of biopiracy with its effects on ecosystem. (5)
- 5) Define novel dosage forms with their advantages. Add a note on transferosomes as novel dosage form. (5)
- 6) Briefly discuss the present scope and future prospects of herbal drug industry in India. (5)
- 7) Define Schedule-T of traditional drugs. Explain its objectives and basic principles. (5)

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