

Question Paper

Exam Date & Time: 11-May-2019 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

BPharm Semester IV - End Semester Examination-2019

Exam Date: 11-05-2019

Pharmacognosy and Phytochemistry-I [PCO-BP405T]

Marks: 75

Duration: 180 mins.

I Multiple Choice Questions (MCQs)

Answer all the questions.

Section Duration: 30 mins

1) Which of the following is an Un-organized crude drug? (1)

Senna

Datura

Aloes

Vinca

2) The word Pharmacognosy was coined by (1)

Charles Darvin

Gregor Mendel

Hippocrates

Seydler

3) Leaf constant used in the detection of allied species (1)

Refractive index

Stomatal Index

Extractive value

Ash value

Baudouin's test is used to check the presence of _____ oil in Olive oil (1)

Coconut oil

Castor oil

Sesame oil

Sunflower oil

5) The size of lycopodium spores is ____ μm (1)

60

25

45

50

6) Which of the following chemical constituent is used to induce Polyploidy in plants (1)

Colchicine

Caffeine

Quinine

Reserpine

7) Senna is cultivated at

(1)

1000-2000 metres

500-1000 metres

Sea level

2000-3000 metres

8) Which of the following is used as chemical mutagenic agent?

(1)

Ethylene

Colchicine

Vincristine

Nitrogen mustard

9) Hybridization is the technique of union of at least ____ species

(1)

1

2

3

4

10) Adaphic factors refers to

(1)

Rain

Altitude

Pesticide

Soil

11) Undifferentiated cell mass in known as

(1)

Explant

Callus

Organ

Embryo

12) Cell without cell wall is called as _____

(1)

Protoplast

Cellulose

Pectin

Nucleus

(1)

Red

Yellow

Green

Blue

Pneuma in Unani system of medicine refers to (1)

Oxygen

Hemoglobin

Blood

Urine

15) Yin and Yang refers to which of the medicinal system? (1)

Ayurveda

Siddha

Unani

Chinese

16) Drug which is used to treat cold in Homeopathy is (1)

Tamarind

Tomato

Onion

Garlic

17) Chlorogenic acid is an example for which of the following Tannins? (1)

Galli

Ellagi

Condensed

Pseudo

18) Presence of enzyme oxidase is the confirmative test for (1)

Acacia

Tragacanth

Guar gum

Honey

19) Which of the following lipids is used to treat leprosy? (1)

Castor oil

Coconut oil

Olive oil

Chaulmoogra oil

20) Which of the following is NOT a hallucinogen? (1)

Cannabis

Henbane

Tea

LSD

II Long Answers

Answer all the questions.

- 1) Define and discuss the various methods of adulteration of crude drugs. Add a note on reasons for adulteration. (10)
- 2) Give a detailed account of plant growth regulators. (10)

III Short Answers

Answer all the questions.

- 1) 1. a. Define Pharmacognosy and crude drugs. (2 Marks) (5)
1. b. Hybridization and its applications. (3 Marks)
- 2) Applications of plant tissue culture in Pharmacognosy. (5)
- 3) Discuss briefly the edible vaccines. (5)
- 4) Give the principles of Ayurveda. (5)
- 5) Define and give the classification, properties, identification tests and uses of Alkaloids. (5)
- 6) Give the source, preparation, chemical constituents and uses of Agar and Honey. (5)
- 7) Write the source, method of preparation and uses of Absorbent cotton. (5)

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