

Exam Date &amp; Time: 28-Jul-2022 (10:00 AM - 01:00 PM)



# MANIPAL ACADEMY OF HIGHER EDUCATION

## Pharmacognosy and Phytochemistry - I [PCO-BP405T-S1]

Marks: 75

Duration: 180 mins.

### I Multiple Choice Questions (MCQs)

Answer all the questions.

Section Duration: 30 mins

1) Which of the following crude drug is obtained from marine source?

1) Gelatin	2) Tragacanth	3) Acacia	4) Agar
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2) Stomatal index of Indian Senna is \_\_\_\_\_

1) 1-3	2) 11-13	3) 17-20	4) 27-30
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3) Percentage proportion of stomata and stomata plus epidermal cells is \_\_\_\_\_

1) Stomatal number	2) Stomatal Index	3) Both of them	4) None of them
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4) Following plant constituent is characterized by high refractive index

1) Volatile oil	2) Fixed oil	3) Alkaloid	4) Glycoside
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5) Flavonoids are identified by the following chemical test

1) Borntrager's test	2) Keller-kiliani, test	3) Wagner's test	4) Shinoda test
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6) Protoplast fusion is also known as \_\_\_\_\_

1) Cryopreservation	2) Somatic hybridization	3) Biotransformation	4) Immobilization
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7) Example for Micronutrient in plant tissue culture is \_\_\_\_\_

1) Iron	2) Sulphur	3) Nitrogen	4) Calcium
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8) Sterculia is an adulterant of \_\_\_\_\_

1) Tragacanth	2) Acacia	3) Honey	4) Agar
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9) Invert sugar is an equimolar mixture of Dextrose and \_\_\_\_\_

1) Glucose	2) Fructose	3) Galactose	4) Rhamnose
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- 3) Explain the growth stages of plant tissue culture. (5)
- 4) What are Resins. Classify them with examples. (5)
- 5) Applications of plant tissue culture in Pharmacognosy. (5)
- 6) Give the source, preparation, chemical constituents and uses of Honey. (5)
- 7) What are Hallucinogens? Discuss any two drugs under the category. (5)

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