

Please check whether you have got the right question paper.

N.B: 1. All questions are compulsory.

2. Figures to the right indicate full marks.

3. Draw neat and labelled diagrams wherever necessary.

- Q.1 A) Choose the correct option from the following: 10
- The term pharmacognosy was introduced by _____.
i) James ii) Seydler iii) Martins iv) Odum
 - IPRS stands for _____.
i) Indian Pharmacopoeia Review Standard ii) Indian Pharmacopoeia Reference Standard
iii) Indian Pharmacy Review Standard iv) Indian Pharmacy Reference Standard
 - _____ are group of naturally occurring chemical compounds which mostly contain basic nitrogen atoms
i) Alkaloids ii) Tannins iii) Phenols iv) Glycosides
 - _____ is an example of bast fiber.
i) Jute ii) Cotton iii) Corypha iv) Coir
 - Saffron is obtained from _____.
i) *Crocus sativus* ii) *Cocos nucifera*
iii) *Corchorus capsularis* iv) *Corchorus olitorius*
 - Mangrove forest is the type of _____.
i) Littoral and Swamp ii) Deciduous forest iii) Alpine iv) Sub Alpine
 - Lemon is rich source of vitamin _____.
i) A ii) C iii) B iv) D
 - Vanillin is obtained from _____.
i) *Vanilla planifolia* ii) *Ananus comosus* iii) *Citrus limon* iv) *Garcinia cambogia*
 - _____ is commonly known as jojoba
i) *Simmondsia chinensis* ii) *Citrus limon*
iii) *Jasminum grandiflorum* iv) *Centella asiatica*
 - _____ also known as Queen of Spice
i) Black pepper ii) Zinger iii) Turmeric iv) Cardamomum

Q.1 B) Answer the following in one sentence:

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- Define pharmacopoeia
- What are primary metabolites
- What is the biological source of jute?
- What is the scientific name of cotton?

e) What is the source of papain?

Q.2 Answer any two from the following:

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- a) Describe Indian Pharmacopeia? Write a note on its significance.
- b) What are Glycosides? Add a note on its uses.
- c) Elaborate on the sources and uses of tannins.
- d) Describe resin and elaborate on its properties.

Q.3 Answer any two from the following:

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- a) Describe any two types of forest in India.
- b) What are the various agricultural practices that are followed for cultivation of cardamom?
- c) Explain silviculture. State the objective of silviculture.
- d) Discuss urban forestry in detail.

Q.4 Answer any two from the following:

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- a) What is aromatherapy? Describe any two plants used in aromatherapy.
- b) What are Biofuels? Explain biofuel production from Jatropha.
- c) Give an account of uses of lemon and jojoba oil.
- d) What are enzymes? Give the properties and uses of papain.

Q.5 Write Short note on (any four):

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- a) Properties of volatile oils
- b) Functions of secondary metabolites
- c) Tropical dry deciduous forest
- d) Uses of cotton fiber
- e) Uses of jasmine
- f) Nutritional value and uses of Chlorella

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