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Total No. of printed pages = 1

Monsoon, 2023

M. Pharm (Pharmacognosy) Semester Examinations

ADVANCED PHARMACOGNOSY – I

Course Code: MPG102T

Full Marks – 75

Time – 03 hours

The figure in the margin indicates full marks for the questions.

Q.1. Answer any five from the following: (Maximum word limit 500) (5×5=25)

- (a) Define & classify Flavonoids with example.
- (b) Write down the advantages of asexual propagation.
- (c) Describe the role of antioxidants as Nutraceuticals.
- (d) Describe the occurrence, chemical structures and medicinal health benefits of the following phytopharmaceuticals (*any two*) (2×2.5)
 - (i) Lutein (ii) Quercetin (iii) Ellagic acid (iv) Vitamin B9 (v) Andrographolide
- (e) Differentiate Ex- situ and In- situ conservation of medicinal plants.
- (f) Give the general method of isolation and purification of marine natural products.
- (g) Describe potential biomedical applications of marine toxins.

Q.2. Answer any five from the following: (Maximum word limit 1000) (5×10=50)

- (a) Discuss in detail about the current Good Agricultural Practices.
- (b) Write short notes on (2×5)
 - i) Herbs as functional foods
 - ii) Dietary Fiber
- (c) Explain the importance of Pharmacognosy in herbal drug industry.
- (d) Discuss the issues faced in research on marine drugs along with solutions.
- (e) Describe briefly the Phytochemicals
 - i) Hesperidin ii) Tocotrienols and Tocopherols.
- (f) Describe the WHO and AYUSH guidelines for safety monitoring of natural medicine.

