

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)**

**CLASS: M. PHARM
BRANCH: PHARMACY**

**SEMESTER: I
SESSION:**

SUBJECT: MPG102T ADVANCED PHARMACOGNOSY-I

TIME: 3.00 Hours

FULL MARK: 75

INSTRUCTIONS:

1. The missing data, if any, may be assumed suitably.
 2. Before attempting the question paper, be sure that you have got the correct question paper.
 3. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
 4. Answer any five questions.
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- 1a. Make a general introduction to the importance of Pharmacognosy in Herbal Drug Industry. Citing atleast one example. [7]
- 1b. What do you mean by the term of conservation of Medicinal Plants ? Write in brief Ex-Situ and In-Situ conservation of Medicinal Plants. [8]
- 2a. Mention classification of Marine organisms based on their Pharmacological activities. [7]
- 2b. Discuss and describe cardiovascular active drugs from marine sources in details. [8]
- 3a. Define nutraceuticals. Write in brief current trends and future scope of nutraceuticals with regard to inorganic minerals and Vitamin supplements. [7]
- 3b. Mention biological sources, medicinal uses and health benefits of Spirulina and Turmeric as nutraceuticals. [8]
- 4a. Write in detail biological sources, occurrence and characteristics features of carotenoids, you have studied. [7]
- 4b. Define Taxol. Mention biological sources, chemical nature and health benefits of Taxol. [8]
- 5a. Mention characteristics features of Resveratrol, Hesperidine and Quercetin. [7]
- 5b. Make a short note on Good Agricultural, Good collection and Good cultivation practices. [8]
- 6a. Explain Hypotensive compounds. Discuss Marine nucleosides and Hypotensive peptides with examples. [7]
- 6b. What is Limonoids ? Mention characteristic features of d-Limonene and α -Terpineol [8]
- 7a. Write in detail about withanolides and Andrographolides. [7]
- 7b. Make a short note on Soyabean and Garlic mentioning their biological sources, chemical profiles and health benefits [8]

:::23/11/2023 E:::