

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

CLASS: M. PHARM
BRANCH: PHARMACY

SEMESTER : I
SESSION : MO/2022

SUBJECT: MPG102T ADVANCED PHARMACOGNOSY-I
TIME: 3:00 Hours

FULL MARKS: 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.
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- Q.1(a) Give a general introduction to the importance of Pharmacognosy in herbal drug industry. [7]
Q.1(b) Explain the following terminology [8]
i) Current Good Agricultural Practices
ii) Current Good Collection Practices
iii) Current Good Cultivation Practices
- Q.2(a) Mention general methods of isolation and purification of marine plants. [7]
Q.2(b) Classify marine organisms based on their Pharmacological activities. Elaborate any one cytotoxic [8]
/Antineoplastic agents from marine source.
- Q.3(a) Define Nutraceuticals. Discuss the current trends and future scope of Nutraceuticals. [7]
Q.3(b) Write a short note on Turmeric and Spirulina. [8]
- Q.4(a) Write short note on α and β - carotene. [7]
Q.4(b) What is Phytopharmaceuticals? Mention how carotenoids are synthesised in plant? [8]
- Q.5(a) Write note on Ayush and its importance. [7]
Q.5(b) What do you mean by the term Pharmacovigilance? Mention guidelines of WHO for safety monitoring [8]
of Natural medicine.
- Q.6(a) Discuss biological sources, chemical constituents and uses of Shatawar plants. [7]
Q.6(b) Write in detail about Andropholide and withanolides with regards to their sources, chemistry and uses. [8]
- Q.7 Write short notes on
i) Ex-situ conservation of medicinal plants
ii) Soyabean [5]
iii) Garlic [4]
iv) Bio drug adverse reactions [3]
[3]

::::22/11/2022::::E