

BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE, PILANI

Comprehensive Examination May (Closed BOOK)

Second Semester 2022-2023 PHA F344 - Natural Drugs Total Marks 30
Date: 13/5/2022 Duration: 120 Minutes Weightage: 30%

Instruction:

1. Write precise answers and draw diagram or structures wherever appropriate
 2. Write botanical names correctly, incorrect and miss spelt names will not be considered
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1. Write a note on natural drug based antiviral agents [4]
2. Explain in detail the Soxhlet extraction process [6]
3. Pests are a big issue. Justify with examples how natural drugs help to deal with them. [6]
4. Name 1 example of nutraceuticals used in Cancer prevention, Joint, Cardiovascular and eye health [4]
5. Answer the following questions in brief [10]
 - a. What is 'Beeja wood water'
 - b. Write biological source of any two common grasses causing hay fever
 - c. Andrographolide is a hepatoprotective. State true or false with reasons.
 - d. What do you understand by the term Taxonomy ?
 - e. Which branch of Ayurveda describes sacred medicinal plants
 - f. Metformin is inspired from galegine. State true or false with reasons
 - g. What do you understand by Ethnopharmacology?
 - h . Explain the term *adnation*
 - i. In the botanical name *Hyoscyamus muticus* the term *muticus* means?.
 - j. The words trichomes is used in analysis of which crude drug organ?

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Comprehensive Examination May (OPEN BOOK)

Second Semester 2022-2023 PHA F344 - Natural Drugs

Total Marks 10

Date:13/5/2023

Duration: 60 Minutes

Weightage: 10%

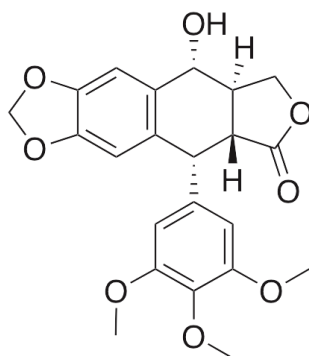
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1. Write about the crude drug that is [4]

- bitter tonic
- used for jaundice treatment
- stomachic and febrifuge

2. Explain in brief the biosynthesis of the natural product given below [2]



3. Do compounds isolated from human urine/ cereal products regulate plant growth? [4]