

**BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE, PILANI**

**Mid Semester Examination March (CLOSED BOOK)**

**Second Semester 2022-2023**

**PHA F344 - Natural Drugs**

**Max. Marks 30**

**Date: 15/3/2023**

**Duration: 90 Minutes**

**Weightage: 30%**

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**Instructions**

a. All questions are compulsory ; b. Figures to right in square bracket indicates maximum marks;  
c. Write precise answers; d. Draw clear and well labeled diagram; e. Marks will be given for correct answers (including spelling) with proper justification

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1. How crude drugs are classified based on aroma, striking characteristics and colour [6]
2. Opium is a very old Ayurvedic drug for diarrhea and dysentery. State true or false with justification [1]
3. Enlist various roles of alkaloids in plants [2]
4. Write a note on [6]
  - i) PHAEOPHYTA
  - ii) RHODOPHYTA
5. Discuss in detail about the leaf of a plant as a crude drug [5]
6. Describe a crude drug class that has characteristic effect on myocardial contraction and atrioventricular conduction. [4]
7. Diagrammatically represent  $\alpha$ -amyrin,  $\beta$ -amyrin and lupeol [3]
8. Explain the terms [3]
  - i) Heartwood
  - ii) Periderm

.....End.....