

BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE, PILANI

Mid Semester Examination March (CLOSED BOOK)

Second Semester 2017-2018

PHA F344 - Natural Drugs

Max. Marks 30

Date: 7/3/2018

Duration: 90 Minutes

Weightage: 30%

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 wherever necessary; e. Marks will be given for correct answers (including spelling) with proper justification

1. Define vein islet number, vein termination number and palisade ratio [3]
2. Discuss various types of gas exchanging pores occurring in plants [2.5]
3. Write a note on [6]
 - i. Importance of natural drugs in drug discovery and development
 - ii. Secretary cavities
4. Discuss in detail the various incrustation on cells [5]
5. Identify and write a detailed note on a crude drug that has presence of ridges and nodes on its surface, along with fibrous fracture and bitter taste. [4.5]
6. Describe in detail the phyla phaeophyta and rhodophyta [4]
7. Explain the following [5]
 - i. Magnification
 - ii. Tyloses
 - iii. Quill
 - iv. Duramen
 - v. Dictyostele