

PARUL UNIVERSITY
FACULTY OF PHARMACY
B.Pharm. Summer 2017-18 Examination

Semester: 4**Subject Code: Pharmacognosy & Phytochemistry-I****Subject Name: 08101256****Date: 25/05/2018****Time: 02:00PM TO 05:00PM****Total Marks: 75****Instructions:**

1. Figures to the right indicate full marks.
2. Make suitable assumptions wherever necessary.

Q.1 Essay type Questions. (Any 2 out of 3) (10 marks each) (20)

1. Enlist and Explain different isolation methods of volatile oil.
2. Define tannin, classify it and write in detail about pale catechu.
3. Explain properties and classification of resin.

Q.2 Short Essay type Questions. (Any 7 out of 9) (5 marks each) (35)

1. Classify volatile oil.
2. Explain the pharmacognosy of fennel.
3. Draw well labeled morphological and microscopical diagram of coriander.
4. Discuss the pharmacognosy Ceylon cinnamon.
5. Write short note on Sumatra and siam benzoin.
6. Classify fibers and explain animal fibers in detail.
7. Write short note on Pharmaceutical Aid.
8. Enlist name of tannin containing fruits and explain it.
9. Discuss about natural colorants.

Q.3 Answer in short. (2 marks each) (20)

1. Explain match stick test with principle.
2. Write botanical source, family, chemical constituents and use of queen of spice.
3. Differentiate Indian and American podophyllum.
4. Write botanical source, family, chemical constituents and use of European Dill.
5. Write B.S. family, chemical constituents and use of lemon peel.
6. Discuss combine umbelliferone test.
7. Write B.S. family, chemical constituents and use of ginger.
8. Write about adulterants of clove.
9. Explain chemical constituents and use of devil's dung.
10. Write B.S. family, chemical constituents and use of Turmeric.