**UG Even Semester (CBCS) Exam., May—2017**

PHARMACEUTICAL SCIENCES

**( 4th Semester )**

Course No. : BPH–401 (C)

**( Pharmacognosy—II)**

*Full Marks* : 75

*Pass Marks* : 30

*Time* : 3 hours

*The figures in the margin indicate full marks for the questions*

Answer **five** questions, selecting **one** from each Unit

UNIT—I

**1.** What is volatile oil? Describe the general properties, classification, chemical test and general use of volatile oil. 2+3+3+2+5=15

**2.** Write short notes on any *three* of the following : 5×3=15

*(a)* Mentha

*(b)* Fennel

*(c)* Sandalwood

*(d)* Musk





UNIT—II

**3.** *(a)* Define resin. Write the classification of resins on the basis of chemical nature. Write the ideal properties possessed by resin. 3+4+5=12

*(b)* Differentiate between 'Balsam of Tolu' and 'Balsam of Peru'. 3

**4.** Write short notes on any *three* of the following : 5×3=15

*(a)* Myrrh

*(b)* Podophyllum

*(c)* Ginger

*(d)* Asafoetida

UNIT—III

**5.** *(a)* Describe the general phytochemical test, ideal properties and general use of tannin. 3×3=9

*(b)* Define the 'hydrolysable tannin' and 'condensed tannin' with examples. 3+3=6

**6.** Write short notes on any *three* of the following : 5×3=15

*(a)* Black catechu

*(b)* Gall

*(c)* Myrobalan

*(d)* Gambir

UNIT—IV

**7.** Write short notes on any *two* of the following : 7½×2=15

*(a)* Antioxidant

*(b)* Natural allergen

*(c)* Photosensitizing agent

**8.** Classify natural allergens with example. Describe Psoralea based on biological sources, chemical constituents and use. Describe the beneficial role of antioxidants. 6+4+5=15

UNIT—V

**9.** *(a)* Write the exact definition of Phamaceutical Aid. What are the general properties of 'Pharmaceutical Aid'? 3+4=7

*(b)* Write short notes on any *two* of the following : 4×2=8

*(i)* Talc

*(ii)* Cochineal

*(iii)* Turmeric

**10.** Describe the biological sources, chemical constituents and use of the following fibre-based drugs (any *three*) : 5×3=15

*(a)* Cotton

*(b)* Silk

*(c)* Wool

*(d)* Asbestos

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