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BOP364

**B.PHARM.**  
**THEORY EXAMINATION (SEM–VI) 2016-17**  
**PHARMACOGNOSY-III**

**Time : 3 Hours****Max. Marks : 100****Note : Be precise in your answer. In case of numerical problem assume data wherever not provided.****SECTION – A****1. Explain the following:****10 x 2 = 20**

- (a) Explain Bufadienolides
- (b) Define plant bitters.
- (c) Define Saponin.
- (d) Give Modified Borntrager,s Test.
- (e) Give two examples of plant sweetners.
- (f) Give vernacular names of Psoralea and Gentian..
- (g) Give chemical nature of Shatavari and Amla.
- (h) Define glycosides.
- (i) Give names of different types of Aloe.
- (j) Give examples of Myrobalans.

**SECTION – B****2. Attempt any five of the following questions:****5 x 10 = 50**

- (a) Differentiates between black catechu and pale catechu.
- (b) Give classification of Alkaloids with examples.
- (c) Discuss isolation ,properties, and chemical tests for Saponins.
- (d) Give microscopic and morphological description of Rhubarb with diag.
- (e) Write chemical constituents and substitutes/adulterants of Squill.
- (f) Discuss pharmacognostic study of Arjuna.
- (g) Write a note on Saffron.
- (h) Give biological source, chemical nature and therapeutic uses of Neohesperidin.

**SECTION – C****Attempt any two of the following questions:****2 x 15 = 30**

3. Discuss principles and types of Extraction.
4. Write a detailed pharmacognostic review on Digitalis.
5. Write notes on any two of the following:
  - (i) Shatavari
  - (ii) Thaumatin
  - (iii) Gokharu