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**Code : 091403**

**B.Pharm 4th Semester Theory Examination, 2017**

**Pharmacognosy-III**

*Time : 3 hours*

*Full Marks : 70*

**Instructions :**

- (i) *There are Nine Questions in this Paper.*
- (ii) *Attempt Five questions in all.*
- (iii) *Question No. 1 is Compulsory.*
- (iv) *The marks are indicated in the right-hand margin.*

1. Write a short note on following (any seven) 2×7=14

- ✓(a) Example of cardiac glycosides
- ✓(b) Chemical tests for saponin glycosides
- ✓(c) Biological source of Aloe
- ✓(d) Two chemical constituents of Liquorice
- (e) Two uses of Shilajit
- (f) Use of Brahmi
- (g) Composition of Triphala churna
- ✓(h) Adulterants
- ✓(i) Cardenolides
- ✓(j) Two uses of Digitalis

P.T.O.

11/2. Give the biological source, cultivation, collection, microscopic feature, chemical constituents and uses of following:

- (a) Ginseng
- (b) Dioscorea 2×7=14

3. Give the biological source, cultivation, collection, microscopic features, chemical constituents and uses of following:

- (a) Rhubarb 2×7=14
- (b) Cascara 3.5×4=14

4. Write short note on following:

- (a) Gokhru
- (b) Shankhpushpi
- (c) Methi
- (d) Rasna

5. Give the biological source, cultivation, collection, microscopic features, chemical constituents and uses of following:

- (a) Amla 2×7=14
- (b) Senna 3.5×4=14

6. Write short note on following:

- (a) Keller-killiani test
- (b) Tailas
- (c) Saponin Glycosides
- (d) Palash

7. Explain the following:

2×7=14

- (a) Ayurvedic preparation as traditional system of medicine
- (b) Anthraquinone Glycosides

8. Explain the following ayurvedic preparations 2×7=14

- (a) Arishtas
- (b) Bhasmas

9. Write the chemical constituents and uses of following drugs:

- (a) Satavari
- (b) Strophanthus

2×7=14

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