

16432(D) - 0 DEC 2016

**B. Pharmacy (Ayurveda) 3rd Semester Examination**

**Pharmacognosy of Ayurvedic Drugs-I (NS)**

**BPA-322**

**Time : 3 Hours**

**Max. Marks : 70**

*The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.*

**Note :** Question no. 1 is compulsory and attempts any five questions from Question no. 2 to 7. Total questions attempt by student including question no. 1 are Six.

1. Answer any ten:

- (a) Give identification test for Tannins.
- (b) Give biological source of Atasi.
- (c) What are Umbelliferous fruits? Give morphology of Jaiphal.
- (d) How volatile oil is different from fixed oil?
- (e) Write a note on flavonoids.
- (f) Give uses and chemical constituents of Amrita Satwa.
- (g) Give chemical constituents of Guduchi.
- (h) Draw chemical structure of Andrographolide.
- (i) Give chemical test for Saponins.
- (j) Write morphological characters of Arjuna bark.
- (k) Give chemical constituents and uses of Yavani.
- (l) Explain modified Borntrager's test. (2×10=20)

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2. Write a note on :

- (a) Isabgola.
- (b) Svetamusli. (5×2=10)

3. Give a detailed note on the extraction and isolation of active constituents of crude drugs. (10)

4. (a) Differentiate between cardiac glycosides and anthraquinone glycosides with suitable examples.
- (b) Differentiate between Organised and Unorganised drugs with suitable examples. (5×2=10)

5. Give official source, characters, chemical constituents and uses of following:

- (a) Mandukparni.
- (b) Kalmegh. (5×2=10)

6. (a) Write source, morphological characters and uses of Haritaki (Myrobalan).

- (b) Write commercial and pharmaceutical importance of Khadir twak. (5×2=10)

7. Give biological source, family, chemical constituents, morphological characters and uses of following drugs containing volatile oils.

- (a) Jatamansi .
- (b) Dhanyaka. (5×2=10)