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**W—56—2018**

**FACULTY OF SCIENCE**

**B.Sc. (Third Year) (Sixth Semester) EXAMINATION**

**OCTOBER/NOVEMBER, 2018**

**BOTANY**

**Paper XV**

**(Herbal Technology—II)**

**(Monday, 15-10-2018)**

**Time : 10.00 a.m. to 12.00 noon**

**Time—2 Hours**

**Maximum Marks—40**

**N.B. :— (i) Attempt All questions.**

**(ii) All questions carry equal marks.**

1. Explain in detail filtration and concentration in herbal formulation. 8

*Or*

Write in brief :

(a) Extraction

(b) Infusion.

2. Describe preparation and therapeutic use of Kumari Asav. 8

*Or*

Explain in brief :

(a) Preparation of Arishtha

(b) Therapeutic use of Triphala.

3. Describe the occurrence and chemistry of Glycoside. 8

*Or*

Explain in brief :

(a) Therapeutic use of alkaloids

(b) Phytochemical use of heteropolysaccharides.

4. Describe principle and sample preparation of TLC. 8

**P.T.O.**

Or

Describe in brief :

- (a) Elution method of column chromatography
- (b) Application of paper chromatography.

5. Write notes on (any *four*) :

8

- (a) Ointment and Creams
- (b) Use of Vatti
- (c) Therapeutic use of Plant Steroids
- (d) Alkaloids from *Datura stramonium*
- (e) Application of HPTLC
- (f) Sample preparation of column chromatography.