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**W—63—2018**

**FACULTY OF SCIENCE**

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

**OCTOBER/NOVEMBER, 2018**

**(CBCS Pattern)**

**BOTANY**

**Paper XIII**

**(Herbal Technology—I) (Optional—III)**

**(Tuesday, 16-10-2018)**

**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.**

**(iii) Draw neat and well labelled diagram wherever necessary.**

1. Attempt any *four* of the following (each of **2** marks) : 8
  - (a) Describe in brief importance of MAP in India.
  - (b) Write a note on Siddha.
  - (c) Write the difference between organized crude drugs and unorganized crude drugs.
  - (d) Explain in brief animal as a tribal medicine source.
  - (e) Describe in brief microscopic method of drug evaluation.
  - (f) Explain stem drug of Ginger.
2. Attempt any *two* of the following (each of **4** marks) : 8
  - (a) Describe Ayurveda is an Indian system of medicine.
  - (b) Explain chemotaxonomic classification of crude plant drugs.
  - (c) Write a note on drying and storage of crude plant drugs.
3. Attempt any *one* of the following (each of **8** marks) : 8
  - (a) Describe in detail organized crude plant drugs.
  - (b) Describe in detail homeopathic is an Indian medicine system.

**P.T.O.**

4. Attempt any *two* of the following (each of 4 marks) : 8
- (a) Explain chemical constituents of shatavari and its medicinal uses.
  - (b) Describe the secondary metabolites and medicinal uses of Tulsi.
  - (c) Explain plant tissue culture as a source of biomedicine.
5. Attempt any *one* of the following (each of 8 marks) : 8
- (a) Explain biosynthesis of flavonoids in plant.
  - (b) Describe anatomy of Adulsa leaf and its secondary metabolites with medicinal uses.