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Y—62—2019

FACULTY OF SCIENCE

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

OCTOBER/NOVEMBER, 2019

(CBCS Pattern)

BOTANY (Optional–III)

Paper XV

(Herbal Technology–II)

(Friday, 18-10-2019)

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 diagrams wherever necessary.

1. Attempt any *four* of the following : 8

(a) Write a note on medicated wine.

(b) Occurrence of glycyrrhizin.

(c) Thermocouple in IR.

(d) Composition of shampoo.

(e) Fundamental Law of Absorption.

(f) Write a note on tincture.

2. Attempt any *two* of the following : 8

(a) Explain biosynthetic pathway of Flavonoides.

(b) Describe preparation and therapeutic uses of *arishta*.

(c) Explain occurrence and chemistry of lycopene.

P.T.O.

3. Attempt any *one* of the following : 8
- (a) Describe occurrence and chemistry of withanoloids.
 - (b) Explain preparation and therapeutic uses of *Kumariasav*.
4. Attempt any *two* of the following : 8
- (a) Describe preparation of moisturizing cream.
 - (b) Explain principle and application of NMR.
 - (c) Explain types of absorption band in UV spectroscopy.
5. Attempt any *one* of the following : 8
- (a) Describe principles and applications of TLC.
 - (b) Describe preparation of anti-ageing cream.