

Roll No.

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341518(41)

B. Pharmacy (Fifth Semester)

EXAMINATION, April-May, 2015

(New Scheme)

PHARMACOGNOSY—III

Time : Three Hours]

[Maximum Marks : 70

Note : Attempt any five questions. Each question carries equal marks.

1. Write down the general techniques of biosynthesis and basic metabolic pathways. 14
2. What do you mean by Radiotracer techniques ? Discuss in detail its application in biosynthetic studies. 14
3. Write down the extraction, isolation and chemistry of the following drugs (any two) : 7 each
 - (a) Atropine
 - (b) Caffeine
 - (c) Quinine
 - (d) Menthol

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4. Give details about natural pesticides and pesticides with brief account of Tobacco and Neem. 14

5. Write down the extraction, isolation and chemistry of the following drugs (any two) : 7 each

- (a) Digitoxin CSVТУonline.com
- (b) Rutin
- (c) Vinca alkaloids
- (d) Reserpine
- (e) Morphine

6. Give a brief account of primary and secondary metabolites production from carbon metabolism in plants. 14

7. Write short notes on any two of the following : 7 each

- (a) Calvin cycle and TCA cycle
- (b) Plant bithers and sweeteners
- (c) Allergens and Hallucinogens
- (d) Fumigants and rodenticides
- (e) Biosynthesis of carbohydrates

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P. T. O.