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Fifth Semester Examination for the Degree of Bachelor of Pharmacy

TKN/KS/16-6996

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fluid extraction.

What is extraction? Write a note on super critical

PHARMACOGNOSY AND PHYTOCHEMISTRY III

Time : Three Hours]

[Max. Marks : 80

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Draw neat labelled diagram wherever necessary. Solve any four questions from the remaining

Discuss the reaction, mechanism wherever

necessary.

Solve any five of the following:

æ Explain the concept of Maceration

Differentiate between fixed oil and volatile oil

6 Write a note on Tulsi

9 Give physical and chemical properties of resins

constituents of Asafoetida Write about method of preparation and chemical

€ Give general principle and applications of ion

® Explain the isolation procedure for citral

5 × 4 = 20

B in high pressure liquid chromatography the principle, procedure and documentation involved What do you mean by chromatography? Describe

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æ Write about classification methods, of extraction and

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(b) Describe 'clove' under pharmacognostic scheme. evaluation of volatile oils

B Explain biosynthetic pathways and methods of extraction of resins

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Give a pharmacognostic account on Tolu Balsam and Peru Balsam.

Describe isolation, purification and chromatographic profiles of Eugenol and menthol

6. Explain various steps involved in structural elucidation of camphor.

Write notes on any three of the following :-

(a) Paper chromatography

9 Coriander and cinnamon

(c) Myrth and Benzoin

(d) Structural elucidation of Taxol

(e) Soxhlet extraction

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Contd.