

Roll No.....

PY-604 (GS)**B.Pharmacy VI Semester**

Examination, May 2018

Grading System (GS)**Pharmacognosy - IV***Time : Three Hours**Maximum Marks : 70**Note:* Attempt any five questions. All questions carry equal marks.

1. a) Classify chromatography. Explain paper chromatography in brief.
b) Discuss historical background of PTC.
2. a) Explain principal, procedure and application of column chromatography.
b) Discuss nutritional requirement of PTC.
3. a) Discuss application of HPTLC.
b) What is surface sterilization of explants? Discuss application of PTC in detail.
4. a) Write a detailed note on production of atropine and morphine.
b) Discuss cultivation and utilization of lemongrass oil.

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5. a) Write a note on eucalyptus oil.
b) Enumerate antispasmodic agent obtain from marine sources.
6. a) Explain the growth and maintenance in PTC.
b) Write a note on mentha oil. rgpvonline.com
7. a) Write production and analysis of papain.
b) Discuss in brief about spectral analysis of herbal drugs.
8. Answer any three of the following:
 - a) Discuss about natural dye
 - b) Explain immunomodulators
 - c) Discuss various types of culture
 - d) Enlist marine toxin

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