

Total No. of Questions : 8]

[Total No. of Printed Pages : 2

[2]

Roll No

PY-803 (GS)**B.Pharmacy VIII Semester**

Examination, May 2018

Grading System (GS)**Pharmaceutical Analysis - III***Time : Three Hours**Maximum Marks : 70**Note :* i) Answer any five questions.

ii) All questions carry equal marks.

1. a) Enlist various techniques used for simultaneous analysis of multi component formulation using UV-visible spectroscopy. **rgpvonline.com**
b) Give principle and procedure for Derivative spectroscopy.
2. How is validation of UV spectrophotometer and HPLC carried out as per Indian pharmacopoeia.
3. a) Give the significance and techniques used for wash water analysis.
b) How is water purification system validated?
4. Explain the design and working of type 1 and type 2 dissolution test apparatus? Give the significance of dissolution test of pharmaceutical formulation.

PY-803 (GS)

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5. Write exhaustive notes on:

- a) Standard operating procedure
- b) Significance of drug analysis in Body fluids.

6. How are impurities identified and quantified using HPLC techniques explain with suitable example.

7. Explain any five evaluation parameters as per Indian pharmacopoeial monograph with their significance in drug efficacy.

8. Write a short note on any two.

- a) Content uniformity
- b) Pharmacopoeial requirements for analytical method validation
- c) Moisture content analysis

PY-803 (GS)