Roll No.	. :	
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Total No. of Questions: 11 ] [ Total No. of Printed Pages: 3

## **BPF-2202**

# M.Sc. (Final) Examination, 2022 CHEMISTRY

Paper - X (A)

(Group-D CH-509)

## (Analytical Chemistry)

Time: 3 Hours ] [Maximum Marks: 75

Section-A (Marks:  $2 \times 10 = 20$ )

Note: Answer all ten questions (Answer limit 50 words). Each question carries 2 marks.

Section–B (Marks :  $5 \times 5 = 25$ )

Note: Answer all five questions. Each question has internal choice (Answer limit200 words). Each question carries 5 marks.

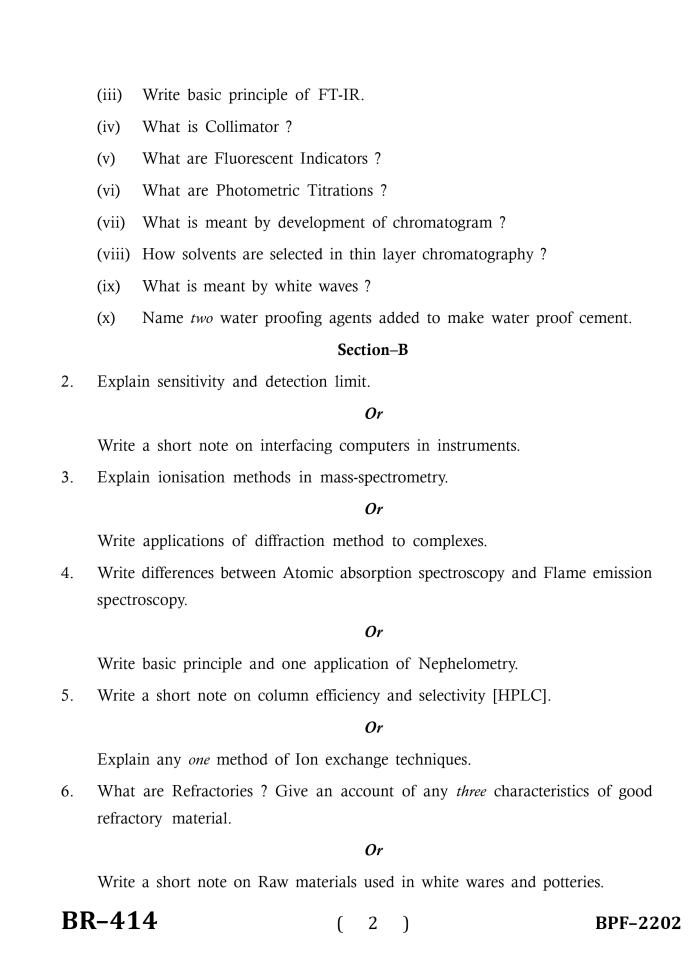
Section–C (Marks:  $10 \times 3 = 30$ )

**Note**: Answer any *three* questions out of five (Answer limit **500** words). Each question carries **10** marks.

#### Section-A

- 1. (i) What do you understand by signal to noise ratio?
  - (ii) What is process control in laboratory?

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### Section-C

- 7. Write a note on industrial process analyzers.
- 8. Explain double focussing mass-spectrometer.
- 9. Explain instrumentation for atomic absorption spectroscopy.
- 10. Write a note on Gas Chromatography.
- 11. Write a note on chemical characteristics of raw materials of alkali and alkaline earth elements.