

PAPER II
(SECTION II)

***Attempt all the Questions.**

- Q.1) Explain the Principle, working and construction of single beam and double beam spectrophotometer. 10
- Q.2) Discuss Principle & working of AAS with schematic diagram. 10
- Q.3) What are DSC and TGA? Explain working of DSC with neat diagram. 10
- Q.4) **ATTEMPT ANY TWO** 10
- a) Write Principal of Flame Photometer.
 - b) Hollow cathode lamp.
 - c) Burners in flame photometry.
- Q.5) Describe in brief Nuclear Magnetic Resonance Spectrophotometer 10
- Or**
- Write the position of peaks of NMR spectroscopy for the following
- a) p-nitrophenol
 - b) p-nitrobenzoic acid 10
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