

[Total No. of Questions - 7] [Total No. of Printed Pages - 2]
(2064)

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B. Pharmacy (Ayurveda) 2nd Semester Examination

Pharmaceutical Chemistry (Inorganic) (N.S.)

BPA-222

Time : 3 Hours

Max. Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Question 1 is compulsory and candidates are required to attempt any FIVE questions out of remaining six.

1. Explain the following:
 - (a) Equivalent point
 - (b) Electromagnetic spectrum
 - (c) Pauli's exclusion principle
 - (d) Quantum number
 - (e) Aufbau principle
 - (f) Non-aqueous titration
 - (g) Principle for Gravimetric analysis
 - (h) Ritz combination principle
 - (i) Photoelectric effect
 - (j) Radial probability distribution curve for 1S electron. (20)
2. Enumerate types of titrimetric methods of analysis and discuss on replacement titration method with example. (10)

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[P.T.O.]

3. Write on preparation and uses of Ammonium chloride. (10)
4. Explain the defects in Mendeleev's periodic table and explain how the modern periodic table remove them. (10)
5. Discuss occurrence, properties and reactions of sodium. Write preparation, properties and uses of sodium chloride. (10)
6. Write on quantification of heavy metals in Ayurvedic preparations. (10)
7. Discuss reactions of metals with acid, oxygen and water with examples. (10)