

[Total No. of Questions - 9] [Total No. of Pages - 2]
(2066)

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June-16

B. Pharmacy (Ayurveda) 2nd Semester Examination
Pharmaceutical Chemistry (Organic & Inorganic) (CBS)

BPA-202

Max. Marks : 60

Time : 3 Hours

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 : Answer five questions including question no. 9 which is compulsory.

1. Define and differentiate between Inductive and electromeric effects. (12)
2. Discuss various methods of formation of alkanes with particular mention to the mechanisms of the reactions involved. (12)
3. Distinguish between the following terms—
 - (a) Configuration & Conformation. (12)
 - (b) Enantiomers & Diastereomers. (12)
4. Discuss important features of modern periodic table. (12)
5. Discuss Physical and Chemical properties of borax and write its uses. (12)
6. Write on quantitative and qualitative study of mercury in Ayurvedic preparations. (12)
7. With suitable examples explain addition and elimination reactions giving their mechanisms. (12)

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8. Discuss gravimetric methods of analysis giving suitable examples. (12)
9.
 - (a) Explain the terms atomic & molecular orbitals.
 - (b) Discuss absolute and relative configuration with their merits & demerits.
 - (c) Discuss substitution reactions in aromatic & aliphatic compounds.
 - (d) Discuss different types of titrimetric methods.
 - (e) How will you qualitatively & quantitatively estimate lead in Ayurvedic preparations?
 - (f) Write on different compounds of gold used as pharmaceutical agents. (2×6=12)