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(2124)

1732

B. Pharmacy (Ayurveda) 3rd Semester Examination
Pharmaceutics (Physical Pharmacy) (NS)
BPA-323

Time : 3 Hours

Max. Marks : 70

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 no. 1 is compulsory. Attempt any five questions out of remaining six.

1. (i) Define and discuss polymorphism.
 - (ii) Differentiate between surface and interfacial tension.
 - (iii) Discuss density & consistency of Ayurvedic preparations.
 - (iv) Explain pseudoplastic and dilatant flow.
 - (v) Discuss role of thixotropy in formulation.
 - (vi) Discuss the term protective colloid.
 - (vii) Differentiate between flocculated & deflocculated suspensions.
 - (viii) Give differences between creaming & cracking.
 - (ix) Give applications of adsorption.
 - (x) Give methods for determination of density. (2×10=20)
2. Enumerate different states of matter. Discuss any one of them in detail. (10)

[P.T.O.]

3. Discuss various properties of Ayurvedic preparations. (10)
 4. Define surface tension. How is it determined? (10)
 5. Give classification of colloids. Discuss methods for preparation of lyophobic colloids. (10)
 6. Define solution. Discuss ideal and non-ideal solutions in brief. (10)
 7. Discuss the methods for determination of disintegration, hardness of tablets and refractive index. (10)
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