

Code No: PH102

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**Pharm.D I Year Supplementary Examinations, October/November - 2019****PHARMACEUTICS****Time: 3hours****Max.Marks:70****Answer any five questions****All questions carry equal marks**

- 1.a) Classify monophasic liquid dosage forms for external use and discuss in brief.
b) Describe the parts of Prescription. [10+4]
- 2.a) Outline the salient features of Indian Pharmacopoeia.
b) Define Posology. Write the different methods for calculation of child's dose from an adult dose. [9+5]
3. Discuss in detail about different types of chemical incompatibilities with examples and the solutions to overcome them. [14]
- 4.a) Discuss the methods of preparation of Emulsions.
b) Write a note on flocculating agents. [8+6]
- 5.a) Describe the process of percolation in detail with a neat diagram.
b) Define tinctures and extracts. [10+4]
6. Explain the preparation of the following product with one example:
a) Eutectic powder
b) Tooth powder
c) Effervescent powder. [14]
- 7.a) Describe the importance of pharmaceutical adjuvants as stabilizers, flavouring agents and colouring agents with examples.
b) Prepare 500 ml of 40% alcohol from 95% alcohol.
c) Define Proof Spirit and convert the 54.8° u.p. and 18° o.p. into % strength of alcohol. [14]
8. Write short note on:
a) Ligatures
b) Displacement value and
c) Ear drops. [14]

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