

Pharm-D. I -Year (Instant) Examination, January 2014**Subject : Pharmaceutics****Time : 3 Hours****Max. Marks: 70****Note: Answer all questions from Section – A and any five questions from Section – B.****Section – A (10 x 2 = 20 Marks)**

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| 1 | Define and classify extracts. | 2 |
| 2 | Differentiate between gargles and mouth washes. | 2 |
| 3 | Adult dose of a drug is 100 mg and weight of child is 7 kg. Calculate the child dose | 2 |
| 4 | Calculate the quantity of dextrose required for preparation of 1000ml of 1 in 400 solution. | 2 |
| 5 | Find the strength of 80% v/v alcohol in terms of proof spirit. | 2 |
| 6 | Differentiate between liniments and Lotions. | 2 |
| 7 | Mention the procedure to mix 50mg of a potent drug in 500 mg of diluents by geometric dilution method. | 2 |
| 8 | Differentiate between powders and granules. | 2 |
| 9 | What are compound dressings? | 2 |
| 10 | Mention different adjuvants used in preparation of ear drops. | 2 |

Section – B (50 Marks)

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| 11 | (a) Mention ideal characteristics of suppository base. | 4 |
| | (b) Explain different types of suppository bases with suitable examples. | 6 |
| 12 | (a) Explain different types of surgical dressings. | 5 |
| | (b) Mention the factors of an ideal dressing. | 5 |
| 13 | Describe different physical incompatibilities and mention the methods to overcome them. | 10 |
| 14 | (a) Mention various precautions required to be observed while using Nasal drops. | 5 |
| | (b) Explain different factors to be considered during preparation of Nasal drops. | 5 |
| 15 | (a) Calculate the amounts of 80%, 60%, 20%, 10% alcohols mixed to get 50% of alcohols. | 4 |
| | (b) Calculate displacement value of a drug in cocoa butter suppositories containing 10% of drug prepared in 0.2 gm mould. The weight of 10 suppositories is 3 gm. | 6 |
| 16 | (a) Differentiate between flocculated and deflocculated suspensions. | 4 |
| | (b) Explain different methods of dispensing suspensions. | 6 |
| 17 | (a) Write the history of Indian pharmacoporia. | 4 |
| | (b) Explain development of pharmaceutical industry in India. | 6 |
| 18 | Classify extraction. Explain different methodologies in extraction process. | 10 |
