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| **SCHOOL OF PHARMACY** | E:\Blank format\AJU LOGO.jpg | **1ST INTERNAL EXAMINATION** |
| Program Name | **BACHELOR OF PHARMACY** | Program Code | **B.PHARM** |
| Course Name | **PHARMACEUTICS I** | Semester | **1st Semester** |
| Course Code | **PHM21003** | Year | **2023/Odd** |
| Time: 1Hour | **Answer all Questions of Section A****Answer Any one of Section B****Answer Any two of Section C** | Maximum Marks | **30** |
| Knowledge Level (KL) | **K1 :** Remembering | **K3 :** Applying | **K5 :** Evaluating |
| **K2 :** Understanding | **K4 :** Analysing | **K6 :** Creating |
| **Section A** **All the Questions are COMPULSORY****MULTIPLE CHOICE type Question [1 x 10 = 10 Marks]** |
| **Q. No.** | **Questions** | **Marks** | **Cos** | **KL** | **PO** |
| **1(i)** | How many volumes have British Pharmacopoeia (BP)? a) 4 b) 5 c) 6 d) 7 | **1** | CO1 | K1, K2 | PO1 |
| **1(ii)** | Who is the father of Indian pharmacy? a) Prof. M.L. Shroff b) Prof. T.K. Gujjar c) Prof. B.N. Ghosh d) None of the above | **1** | CO1 | K1 | PO1 |
| **1(iii)** | What is the full form of USP? a) The United States Pharmacology b) The United States Pharmacy c) The United States Pharmacopoeia d) The United States Pharmaceuticals | **1** | CO1 | K1, K4, K5 | PO1 |
| **1(iv)** | What is the full form of Rx? a) Take thou b) You take c) a & b both d) None of the above | **1** | CO3 | K1, K2 | PO2 |
| **1(v)** | A syrup is a concentrated aqueous solution of sugar present a) 66.7% v/v IP b) 66.7% w/w IP c. 66.7% w/v IP d) 66.7% v/w IP | **1** | CO2, CO4 | K1, K4, K5 | PO2 |
| **1(vi)** | 100-degree proof alcohol a) 57.1% v/v alcohol b) 57.1% w/v alcohol c. 57.1% v/w alcohol d. None of the above | **1** | CO2, CO4 | K1, K4, K5 | PO2 |
| **1(vii)** | Effervescent Powder contains a) Sodium Bicarbonate + Citric acid b) Sodium Bicarbonate + Tartaric acid c) Citric Acid + Tartaric acid d) Sodium Bicarbonate + Citric acid + Tartaric acid | **1** | CO4 | K2, K6 | PO2 |
| **1(viii)** | Which of the following is not a solid dosage form? a) Tablet b) Ointment c. Capsule d) Powder | **1** | CO4 | K3, K4 | PO1 |
| **1(ix)** | Which of the following is a biphasic liquid dosage form? a) Syrup b) Lotion c) Emulsion d) Elixir | **1** | CO4 | K3, K4 | PO1 |
| **1(x)** | Elixir contains a) Water b) Alcohol c. Water & alcohol d. None of the above | **1** | CO4 | K3, K4 | PO1 |
| **Section B****Answer any ONE out of TWO [1x 10= 10Marks]** |
| **Q. No.** | **Questions** | **Marks** | **COs** | **KL** | **PO** |
| **1** | Give a detailed account about the pats of prescription | **10** | CO3 | K1, K2 | PO1 |
| **2** | Give a brief note on the liquid dosage solubility enhancement technique. | **10** | CO4 | K2, K3 | PO1 |
| **Section C****Answer any TWO out of THREE [2 x 5 = 10 Marks]** |
| **Q. No.** | **Questions** | **Marks** | **COs** | **KL** | **PO** |
| **1** | Write about the errors of prescription. | **05** | CO3 | K1, K2 | PO1 |
| **2** | Write a short on Indian Pharmacopoeia. | **05** | CO1 | K1, K2 | PO1 |
| **3** | How much alcohol and water are required to Prepare 600 ml of 70% v/v alcohol from 95% v/v alcohol? | **05** | CO2 | K5, K6 | PO2 |

CO- Course Outcomes, KL- Knowledge Level, PO – Program Outcome

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| **Course Outcomes** | **CO1** | Know the history of profession of pharmacy. |
| **CO2** | Understand the basics of different dosage forms, pharmaceutical incompatibilities and pharmaceutical calculations. |
| **CO3** | Understand the professional way of handling the prescription. |
| **CO4** | Preparation of various conventional dosage forms. |