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B PHARM
(SEM I) THEORY EXAMINATION 2020-21
PHARMACEUTICAL ANALYSIS-I

*Time: 3 Hours**Total Marks: 75***Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A****1. Attempt all questions in brief.****10 x 2 = 20**

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| a. | Define mole and molarity. |
| b. | Calculate Normality for 100 gm per 500 ml NaOH solution. |
| c. | Differentiate between acid and base. |
| d. | What is universal indicator? Give example. |
| e. | What is Non aqueous titration? |
| f. | Give principle of Mohr method. |
| g. | What is modified Volhard method? Give example. |
| h. | Give one example of oxidizing and reducing agents. |
| i. | Define Iodimetry and Iodometry. |
| j. | Give Ilkovic action. |

SECTION B**2. Attempt any two parts of the following:****2 x 10 = 20**

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| a. | Discuss the method of expressing concentration in detail. |
| b. | What is acid base indicator? Explain the theory of indicator. |
| c. | Write a note on Mohr and Volhard method in detail. |

SECTION C**3. Attempt any five parts of the following:****7 x 5 = 35**

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| a. | Describe the concept of oxidation and reduction. |
| b. | Write a note on alkalimetry and acidimetry. |
| c. | Describe the types of Non-aqueous solvent. |
| d. | Explain the types of conductometric titration in detail. |
| e. | How co-precipitation different from post precipitation? |
| f. | What is error? Discuss its types. |
| g. | Explain the mechanism of dropping mercury electrode (DME). |