check5

# Question 1

An organic compound "A" on treatment with benzene sulphonyl chloride gives compound is soluble in dil. solution. Compound is\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

# Question 2

The total number of reagents from those given below, that can convert nitrobenzene into aniline is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Integer answer)

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  | Raney nickel |  |

# Question 3

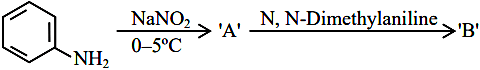
Match List I with List II.

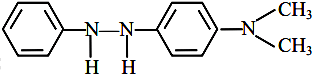
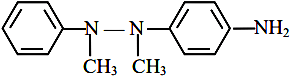
| List-I | List-II |  |  |  |
| --- | --- | --- | --- | --- |
| A. Benzenesulphonyl Chloride | I. Test for primary amines |  |  |  |
| B. Hoffmann bromamide reaction | II. Anti Saytzeff |  |  |  |
| C. Carbylamine reaction | III. Hinsberg reagent |  |  |  |
| D. Hoffmann orientation | IV. Known reaction of Isocyanates |  |  |  |

Choose the correct answer from the options given below:

1. A-IV, B-III, C-II, D-I
2. A-IV, B-II, C-I, D-II
3. A-III, B-IV, C-I, D-II
4. A-IV, B-III, C-I, D-II

# Question 4

Consider the following sequence of reaction :product ’ ’ is :

1. image
2. 
3. 
4. image

# Question 5

The correct order in aqueous medium of basic strength in case of methyl substituted amines is :