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| **Organic Chemistry-II** |
| **QUIZ, B Pharm** |
| **Date:** Sunday,20/11/2022 **Total** **Marks:** 10 **Time:** 15 min  |
| **Student Name:** |  |
| **Student ID No.:** |  |

**Multiple choice** (**02 Marks**)

|  |  |
| --- | --- |
|  | How many numbers of π-electrons present in benzene? |
|  | A. | 12 |
|  | B. | 06 |
|  | C. | 03 |
|  | D. | 09 |

|  |  |
| --- | --- |
|  | C6H5-CH2 is known as  |
|  | A. | Phenolic group |
|  | B. | Phenyl group |
|  | C. | Benzyl group  |
|  | D. | Benzene group |

**Fill in the blanks** (**03 Marks**)

1. ----------------------- is other name for methyl benzene.
2. --------------------- is used as a catalyst in Friedel–Crafts alkylation of benzene.
3. ------------------------------- is used as an electrophile in nitration of benzene.

**Short Answer questions**

1. Explain the Huckel’s rule for aromaticity (**02 Marks**)
2. Explain the mechanism of nitration reaction of benzene with structures. (**3** **Marks**)