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| --- | --- | --- |
| C:\Users\Admin\Desktop\download.png | **LGS GROUP OF COLLEGES**  **[XI MATHEMATICS] Ex. # 2.7,2.8,3.1** | TEST# |
| W -T- 5 |

**Class: FSC/ICS Part 1 Code:2424 Session: 2024**

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| **Subject: Mathematics** | **Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Roll No:** |  |  |  |  |  |  | |
| **Time: 35 Minutes** | **Weekly Test** | **Marks** |

OBJECTIVE TYPE

**Q# 1. Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that**

**question.**

|  |  |
| --- | --- |
| 1 | If order of a matrix A is and of matrix B is , then order of AB is:  A. B. C. D. |
| 2 | The set N w.r.t addition is a:-  A. Group B. Monoid C. Null Set D. Semi-Group |
| 3 | Inverse of a square matrix does not exist if is:  A. Diagonal B. Non-Singular C. Unit D. Singular |
| 4 | If and are elements of group then solution of equation will be:  A. B. C. D. |

SUBJECTIVE TYPE

**SECTION - 1**

**Q# 2. Attempt ALL SHORT Questions: ()**

|  |  |
| --- | --- |
| i | Define Semi Group |
| ii | Prepare a table of multiplication of the elements of the set of residue classes modulo 5 |
| iii | If A = , Show that |

**SECTION – II**

**Attempt LONG Question: ()**

|  |  |
| --- | --- |
| **Q# 3.** | Prove that all non-singular matrices over the real field form a non abelian group under multiplication |