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| C:\Users\Admin\Desktop\download.png | **LGS GROUP OF COLLEGES**  **[XII MATHEMATICS] Exercise 7.1,7.2,7.3** | | | TEST# | |
| W-T-8 | |
| **Paper Code: 1208** | | **Name:…………………** | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Roll No:** |  |  |  |  |  |  | | |
| **Time: 35 Minutes** | | **Objective + Subjective** | **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 | 1. 0 B. 1   C. D. 2 |
| 2 | A vector with magnitude 1 is called:  A. Null vector B. Unit vector  C. Zero vector D. Constant vector |
| 3 | If vectors and are perpendicular, then = :  A. 1 B. 2  C. 3 D. 4 |
| 4 | If is any vector then vector of magnitude 5 opposite to is:  A. B.  C. D. |

SUBJECTIVE TYPE

**SECTION - 1**

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

|  |  |
| --- | --- |
| i | Find a vector whose magnitude is 2 and is parallel to |
| ii | Calculate the projection of along and projection of along when:  , |
| iii | Find the sum of vector and given the four points and |

**SECTION – II**

**Attempt LONG Question: ()**

|  |  |
| --- | --- |
| **Q# 3.** | **Prove that perpendicular bisectors of the sides of a triangle are concurrent** |