Test information

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Region | Exam | Subject | Year | Complexity | Skill Level | Total Questions | Marks Per Question | Negative Marks Per Question | Duration (minutes) | Total Marks | Description |
| Test name |  |  | Other |  |  |  |  |  |  |  |  | Leave all columns blank except name |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | The equation to the hyperbola having its eccentricity 2 and the distance between its foci is 8, is  |  |  | SR |  |  |  |  |
|  |  |
|  | Yes |
|  |  |
|  |  |
| Solution:  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | The solution of sin-1 x – sin-1 2x = is : |  |  | SR |  |  |  |  |
|  |  |
|  |  |
|  |  |
|  | Yes |
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| 3 | In a ABC if the sides are a = 3, b = 5 and c = 4,then sin is equal to : |  |  | SR |  |  |  |  |
|  | Yes |
|  |  |
|  |  |
| 1 |  |
|  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | The two circles x2 + y2 – 2x + 22y + 5 = 0 and x2 + y2 + 14x + 6y + k = 0 intersect orthogonally provided k is equal to : |  |  | SR |  |  |  |  |
| 47 | Yes |
| - 47 |  |
| 49 |  |
| - 49 |  |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | The radius of the circle x2 + y2 + 4x + 6y + 13 = 0 is : |  |  | SR |  |  |  |  |
|  |  |
|  |  |
|  |  |
| 0 | Yes |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | If A =  and B = , then |AB| is equal to : |  |  | SR |  |  |  |  |
| 80 |  |
| 100 | Yes |
| - 110 |  |
| 92 |  |
|  |

|  |  |  |  |  |  |  |  |  |
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| 7 | The projection of the vector on the vector is : |  |  | SR |  |  |  |  |
|  |  |
|  |  |
|  | Yes |
|  |  |
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|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | If , then the value of sin is : |  |  | SR |  |  |  |  |
|  |  |
|  |  |
|  | Yes |
|  |  |
|  |