

## Rajasthan Board Class 12 Physics Question Paper(Memory Based)

Time Allowed :3 Hours	Maximum Marks :70	Total questions :5
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### General Instructions

**Read the following instructions very carefully and strictly follow them:**

1. Each activity has to be answered in full sentence/s. One word answers will not be given complete credit. Just the correct activity number written in case of options will not be given credit.
2. Web diagrams, flow charts, tables, etc. are to be presented exactly as they are with answers.
3. In point 2 above, just words without the presentation of the activity format, will not be given credit. Use of colour pencils/pens etc. is not allowed. (Only blue/black pens are allowed.)
4. Multiple answers to the same activity will be treated as wrong and will not be given any credit.
5. Maintain the sequence of the Sections/Question Nos./Activities throughout the activity sheet.

**1. What is the SI unit of electric flux?**

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**2. Define the dielectric constant of a medium.**

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**3. Define Curie temperature in magnetism.**

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**4. Using Gauss's law, obtain an expression for the electric field at a point due to a uniformly charged infinite plane sheet.**

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**5. State Gauss's law. Determine the electric field intensity at a point due to an infinitely long uniformly charged straight wire.**

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**6. State Huygens' Principle. Use it to prove the laws of reflection or laws of refraction at a plane surface.**

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