

VIVEKANANDA COLLEGE, ALIPURDUAR

B.sc 4th Semester-2024

PHYSICS (SEC)

Internal assessment

F.M: 10

Answer any one question

1. Write down principle of a transformer. Draw a schematic diagram of transformer and explain its theory. What is transformer ratio? Mention different types of transformer ratio.
2. Draw a DC motor and explain its principle. Write down theory of DC motor. On which factors speed of DC motor depends.

VIVEKANANDA COLLEGE, ALIPURDUAR

B.sc 6th Semester-2024

PHYSICS (SEC)

Internal assessment

F.M: 10

Answer any one question

1. Explain renewable and non-renewable energy sources. Explain photo voltaic cell with diagram. Mention advantages and disadvantages of solar energy.
2. Explain geothermal power plant. Mention advantages and disadvantages of Geothermal energy. What is the byproduct of ocean thermal energy conversion?