



K25U 2602

Reg. No. :

Name :

V Semester B.A./B.A. Afsal-UI-Ulama/B.Sc./B.Com./B.T.T.M./B.B.A./
B.B.A. – T.T.M./B.B.A. – A.H./B.C.A./B.S.W./B.M.C. Degree
(C.B.C.S.S. – O.B.E. – Regular/Supplementary/Improvement)
Examination, November 2025
(2019 to 2023 Admissions)
Generic Elective Course
5D05PHY : ELECTRICITY IN DAILY LIFE

Time : 2 Hours

Max. Marks : 20

SECTION – A

Answer **all** questions. **Each** question carries **one** mark.

(6×1=6)

1. What is the main objective of electricity auditing ?
2. Give one example of a corrective action after an electricity audit.
3. Name one major advantage of conventional energy sources.
4. What is the main disadvantage of nuclear power plants ?
5. How can proper insulation in buildings save electricity ?
6. Why should we unplug charges when not in use ?

SECTION – B

Answer **any four** questions. **Each** carries **2** marks.

(4×2=8)

7. How is electricity generated from biomass ?
8. How is electricity generated from tidal energy ?

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9. How does a hydropower plant generate electricity ?
10. What is the role of transformers in electricity transmission ?
11. Why is high voltage used in electricity transmission ?
12. How can switching off unused electrical devices save electricity ?

SECTION – C

Answer **any one** question. It carries **6** marks.

(1×6=6)

13. Describe the types of electricity audits and explain their scopes and applications.
14. Explain the working principles of thermal power plants and their role in electricity generation.