



K23U 2570

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.M.C. Degree (CBCSS – OBE –
Regular/Supplementary/Improvement) Examination, November 2023
(2019-2021 Admissions)
Generic Elective Course
5D05PHY : ELECTRICITY IN DAILY LIFE

Time : 2 Hours

Max. Marks : 20

PART – A

Answer **all** questions. **Each** carries **1** mark.

1. If you may experience electrical shocks when you turn an appliance on or off. How do you infer if it is the problem with the appliance or the socket which it is plugged into ?
2. Mention any 2 reasons why you may get a high electricity bill than any other month.
3. What do you understand by tripping circuit breaker ?
4. Apart from lighting the place, write one use of electricity in your home, college and commercial spaces.
5. What are the main electric supply to any house or name the three-core wiring system ?
6. Calculate the current and resistance of a 100 W, 200 V electric bulb. (6×1=6)

PART – B

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

7. Suppose you have a 150 watt television that you watch five hours per day. If your electricity rate is 8 Rs. per kWh, find how much Rs. you have to pay for the month of June.

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8. Briefly explain how to produce electricity from wind energy.
9. Write two measures you would take to conserve electricity.
10. What is meant by "Misuse/Unauthorized use of electricity" ?
11. Write two advantages of hydroelectric power.
12. With two examples explain conventional energy. (4×2=8)

PART – C

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

13. Write an essay on electricity auditing.
14. Explain how electricity is generated and transmitted. (1×6=6)