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**OEEL311**

5. Name the types of transistors and write their symbols.
6. Draw the forward and reverse bias circuits of a Diode.
7. Name any two electric measuring devices.
8. Write the block diagram of Glucometer.
9. Give any two applications of Bar Code system.
10. What is pH meter? Mention an application of it.
11. What is EMG? and Why it is used?
12. Name any two optical code readers.
13. What is Scanner? Mention an application of it.
14. Write the circuit diagram of a Half Wave Rectifier.
15. Write the block diagram of a UPS system.
16. What are the different types of calculators?

**PART - C**

**Answer any Four questions.**

**(4×5=20)**

17. Explain the construction and working of Transformer.
  18. Write a note on colour coding of a Resistors.
  19. Write a note on working of electromagnetic Relay.
  20. Draw the block diagram of ECG and explain working.
  21. Draw the block diagram of Regulated Power Supply and explain working.
  22. Draw the block diagram of a calculator and explain its working.
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