

Chapter-9

Practical Electronic Components, their specifications and PCB

One mark questions (Knowledge):

1. Name any one type of electronics packages available.
2. What is a part number?
3. Name the type of capacitor having polarity.
4. Name the part number of a transistor.
5. Name the part number of a diode.
6. How many pins presents in a diode bridge.
7. Mention one specification of a speaker.
8. Mention a part number of a commonly used temperature sensor.
9. Mention any one case style of transistor.
10. Mention any one part number of a positive fixed voltage regulator.
11. Mention any one part number of a negative fixed voltage regulator.
12. Expand PCB.
13. What is a trace?
14. What is a mask?
15. What is etching?
16. What is PCB layout?
17. What is single side PCB?
18. Name the chemicals used for Etching process in PCB designing.

One mark questions (Understanding):

1. What do you mean by data sheet?
2. For what application fusible resistors are used?
3. Which one is the important specification of a capacitor?
4. Write a part number for a diode.
5. Write a part number of Diode Bridge.
6. What do you mean by 16x2 LCD?

Two marks questions (Knowledge):

1. Mention the important specifications of a resistor.
2. Mention the specifications of a potentiometer.
3. Mention the specifications of a trimmer.
4. Write the any two specification of a transformer.
5. Mention any two types of relays available in the market.
6. Mention any two types of transistors case styles available in market.
7. Write any two specifications of LEDs.
8. Write any one part number for npn and pnp transistors.
9. Mention any two advantages of PCB.
10. Mention two part numbers of IR receiver transistor.

Two marks questions (Understanding):

1. Write a brief note on specification sheet.
2. What do we understand by part number of an electronic component?
3. What information does a package details of a component give?
4. What do you mean by SIP and DIP packages?
5. Write the pin specification for 78XX regulators.
6. Write the pin specification for 79XX regulators.

Three marks questions (Knowledge):

1. List any four advantages of data sheet.
2. Write the steps involved in PCB designing.
3. Write a note on specification of a components and data sheet.
4. List the process involved in the preparation of PCB.

Three marks questions (Understanding):

1. What are the advantages of PCB?
2. Briefly explain the process of preparation of PCB.
3. List 78XX series voltage regulators.
4. List 79XX series voltage regulators.
