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- 8.a) Explain the different types of defects in casting with a neat sketch.
- b) Explain the characteristics of sheet metal.

[5+5]

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- 9.a) Explain the flame characteristics of gas welding process with a neat sketch.
- b) Describe the principle of soldering process and its applications.

[5+5]

- 10.a) What are the various types of milling cutters used in milling explain?
- b) Explain about the principle and specifications of drilling machine.

[5+5]

**OR**

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- 11.a) Explain the general steps when process planning for turning.
- b) What are the advantages and disadvantages of grinding?

[5+5]

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