

## SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Explain horizontal milling machine with a neat sketch.
- Q.24 Explain five operations performed on Lathe machine with their diagrams.
- Q.25 Explain the working of Universal milling machine with two tool holding devices.

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**1st Year/Branch : Advance Diploma in  
Tool and Die Making  
Subject : Workshop Tecchnology-I**

Time : 3 Hrs.

M.M. : 60

## SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Which type of surface is produced in facing operation?
- a) Cylindrical
  - b) Taper
  - c) Flat
  - d) None Of The Mentioned
- Q.2 For drilling operation, the drill rotates with \_\_\_\_\_ pressure if job is held on earth.
- a) Upward
  - b) Downward
  - c) 45 degree inclined to both planes
  - d) None Of The Mentioned
- Q.3 Which of the following machine is superior to other machines as regards accuracy and better surface finish?
- a) Lathe
  - b) Drill
  - c) Shaper
  - d) Milling

- Q.4 Which of the following is used for machining larger jobs?
- Shaper
  - Planer
  - Can't say anything
  - None of the mentioned
- Q.5 Which type of surface can be produced by lathe?
- Flat
  - Cylindrical
  - Curvilinear
  - All of the mentioned
- Q.6 Which of the following machine is mainly used for producing flat surfaces?
- Shaper
  - Drilling
  - Lathe
  - None of the mentioned

### SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Function of "V" block is \_\_\_\_\_.
- Q.8 The swing diameter over the bed is the largest diameter (true or false)
- Q.9 The drilling machine is the second most important machine tool in a workshop. (true or false)
- Q.10 \_\_\_\_\_ stroke is cutting stroke in shaper?
- Q.11 A \_\_\_\_\_ is a reciprocating machine tool used to produce slots.
- Q.12 The primary purpose of a bandsaw is to \_\_\_\_\_.

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Explain universal milling machine with a line diagram.
- Q.14 Enlist the various advantages of measuring tools.
- Q.15 Describe the various work-holding devices according to lathe.
- Q.16 Explain the working principle of pedestal grinder.
- Q.17 Classify the basic measuring tools.
- Q.18 What is the function of planer? Write its various type.
- Q.19 Explain the construction and working of power hacksaw.
- Q.20 Write a short note on tapping and counter boring.
- Q.21 Explain soldering process. Write the various applications of soldering.
- Q.22 Write the principle of lathe machine.