

## **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 Technology-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?

- a) Shaper
- b) Planer
- c) Can't say anything
- d) None of the mentioned

Q.5 Which type of surface can be produced by lathe?

- a) Flat
- b) Cylindrical
- c) Curvilinear
- d) All of the mentioned

Q.6 Which of the following machine is mainly used for producing flat surfaces?

- a) Shaper
- b) Drilling
- c) Lathe
- d) None of the mentioned

### SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory.  $(6 \times 1 = 6)$

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.  $(8 \times 4 = 32)$

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.