

- Q.18 Write a short note on power hack saw. (CO 02)
- Q.19 What is slotting? Write the use of slotting operation. (CO 03)
- Q.20 Show the various parts of single point cutting tool with diagram. (CO 04)
- Q.21 What is the maintenance process for lathe machine. (CO 05)
- Q.22 Give classification of milling machines based on different basis. (CO 02)

SECTION-D

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

- Q.23 Explain in detail the construction and working of shaper machine. (CO 03)
- Q.24 Explain principal parts of a lathe with the help of neat sketches. (CO 02)
- Q.25 Explain the main components and working of universal milling machine in detail. (CO 03)

(**Note:** Course outcome/CO is for office use only)

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Roll No.

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 cutting tools have wide application on lathes? (CO 03)
- a) single point
 - b) multi point
 - c) both single point and multi point
 - d) none of the mentioned
- Q.2 Why metal removal process is costly? (CO 04)
- a) more energy is required
 - b) some of the material is wasted
 - c) both more energy is required and some of the material is wasted
 - d) none of the mentioned

- Q.3 In which type of operation, motion of cutting tool is translating? (CO 03)
- a) drilling and milling b) milling and turning
c) boring and drilling d) turning and planning
- Q.4 In which type of metal removal process, grinding is included? (CO 03)
- a) conventional machining
b) abrasive process
c) nontraditional machining
d) none of the mentioned
- Q.5 Which of the following act as housing for an operating mechanism in slotting machine? (CO 02)
- a) Base b) Column
c) Cross rail d) Table
- Q.6 Which machine tool is known as the mother machine tool? (CO 04)
- a) drill
b) milling
c) lathe
d) none of the mentioned

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SECTION-B

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

- Q.7 Define welding. (CO 02)
- Q.8 Write use of chisel. (CO 03)
- Q.9 Describe reaming. (CO 03)
- Q.10 Define grinding. (CO 03)
- Q.11 What is knurling? (CO 02)
- Q.12 Define straddle milling. (CO 04)

SECTION-C

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

- Q.13 What are the major industrial material processing methods and material processing techniques. (CO 02)
- Q.14 Give the main types of files, chisel and marking tools. (CO 02)
- Q.15 What are the main sources of accidents in workshops? (CO 05)
- Q.16 Show the various parts of drilling machines with diagram. (CO 04)
- Q.17 What are the main work holding devices used on drilling machines? (CO 04)

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