

- 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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**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

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)