

- Q.17 Explain the work holding attachment for copy milling machine. (CO 03)
- Q.18 Write the main parts and their working for a pantograph. (CO 03)
- Q.19 Define honing. Write its applications. (CO 05)
- Q.20 Describe various steps performed in electroplating process. (CO 05)
- Q.21 What are the main functions of galvanizing? Explain. (CO 05)
- Q.22 What is shot blasting? Give its main function and features. (CO 05)

SECTION-D

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

- Q.23 Explain the main parts and functions of surface grinding machine with the help of diagram. (CO 03)
- Q.24 What are the different methods of gear cutting? Explain any three in brief. (CO 02)
- Q.25 Explain the operational principle and main parts with diagram of jig boring machine. (CO 03)

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

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2nd Year / Advance Diploma in Tool & Die Making

Subject:- Workshop Technology - II

Time : 3Hrs. M.M. : 60

SECTION-A

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

- Q.1 Loss in the sharpness of grinding wheel due to the presence of chips in gaps of grains is termed as (CO 01)
- a) Loading
 - b) Glazing
 - c) Dressing
 - d) Trueing
- Q.2 Which of the following operation is used to enlarge the previously drilled hole? (CO 02)
- a) Reaming
 - b) Tapping
 - c) Boring
 - d) None of the mentioned

- Q.3 Material removal rate in grinding operation is small due to (CO 03)
- Material removal rate does not depend on the rake angle
 - Positive rake angle
 - Zero rake angle
 - Negative rake angle
- Q.4 Which of the following process have the lowest metal removal rate? (CO 03)
- Drilling
 - Reaming
 - Milling
 - Honing
- Q.5 What is the main principle electroplating? (CO 05)
- Hydrolysis
 - Neutralization
 - Esterification
 - Saturation
- Q.6 What is the reason for the localized attack on the base metal due to the porosity of coatings? (CO 05)
- Crevice formation
 - Galvanic effect
 - Initiation of pits
 - Crevice formation and galvanic effect

SECTION-B

- Note:** Objective/Completion type questions. All questions are compulsory. (6x1=6)
- Q.7 Define spur gear. (CO 02)
- Q.8 Define milling. (CO 03)
- Q.9 Describe pantograph. (CO 03)
- Q.10 Write working principle of hard chrome plating. (CO 05)
- Q.11 Describe galvanizing. (CO 05)
- Q.12 Write function of blackening. (CO 05)

SECTION-C

- Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)
- Q.13 Explain the process of tool post grinding. (CO 01)
- Q.14 What are the different indexing methods? Explain any one in brief. (CO 02)
- Q.15 Explain the construction and working of vertical boring machine. (CO 03)
- Q.16 Write main parts and the functions of jig grinding machine. (CO 03)