

- Q.24 Explain the honing process with diagram.
 - Q.25 Write a short note on polishing.
 - Q.26 What is electroplating write its importance.
 - Q.27 Write a short note on plasma arc machining.
 - Q.28 Explain the various steps performed in valve grinding.
 - Q.29 What is chemical machining and write its applications.
 - Q.30 What is Electro chemical grinding and write its applications.
 - Q.31 Explain the various steps performed in jig grinding operations.
 - Q.32 What are the main parts of tool and cutter grinder?
 - Q.33 Explain the grinding wheel nomenclature.
 - Q.34 Explain the principle of cylindrical grinding.
 - Q.35 Enlist the advantages of EDM.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 What is Laser beam machining? Explain the working principle and process of Laser beam machining.

Q.37 Write short note on the following :-

 - a) Hard chrome plating
 - b) Ion Beam machining

Q.38 Describe single lip grinder. Explain the main parts, functions and various operations performed on single lip grinder.

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Roll No.

2nd Year / Advance Diploma in Tool & Die Making

Subject:- Workshop Technology - II

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 With rapid prototyping shapes of machine parts are created by

 - Building up layers
 - Material removal technique
 - Forging
 - None of the above

Q.2 Galvanising is _____

 - A zinc diffusion process
 - An oxidising process used for aluminium and magnesium articles
 - A process used for making thin phosphate coating on steel to act as a base or primer for enamels and paints
 - Is the process of coating of zinc by hot dipping

Q.3 What is the full form of IBM in the advanced machining processes?

 - Ion Beam Machining
 - Ion Beam Manufacturing
 - Ion Blast Machining
 - Ion Blast Manufacturing

- Q.4 The process of providing a thin layer of zinc coating on iron and steel is called
 a) Galvanising b) Electroplating
 c) Cementation d) Metal Cladding
- Q.5 Electroplating of chromium helps in preparing of
 a) Car bumpers b) Saucepans
 c) Cutlery d) Watches
- Q.6 Which not a chemical machining process
 a) Chemical milling
 b) Buffing
 c) Chemical & engraving
 d) Chemical blanking
- Q.7 A transducer is used ultrasonic machining to
 a) Convert electrical energy in to heat energy
 b) Convert electrical energy in to mechanical energy
 c) Convert electrical energy in to chemical energy
 d) All of the above
- Q.8 The process of providing a thin layer of zinc coating on iron and steel is called
 a) Galvanising b) Electroplating
 c) Cementation d) Metal Cladding
- Q.9 Which of the following operation is used to enlarge the previously drilled hole?
 a) Reaming
 b) Tapping
 c) Boring
 d) None of the mentioned

- Q.10 The material of the grinding wheel acts as a binder to hold the abrasive grains together is called
 a) Bond b) Stone
 c) Abrasive d) None of the above

SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 What are the main advantages of lapping process?
 Q.12 Explain the principle of cylindrical grinding.
 Q.13 Name the two abrasives used in ultrasonic machining.
 Q.14 What is sine table?
 Q.15 Full form of EDM.
 Q.16 Explain Pantograph.
 Q.17 Write the material used for galvanising.
 Q.18 What is Electro chemical grinding and write its applications?
 Q.19 Describe jig grinding.
 Q.20 What is rapid prototyping?

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Write main parts and functions of Abrasive jet machining.
 Q.22 Describe abrasive jet machining. Give its application.
 Q.23 What are the main functions and features of galvanising process?