

- Q.28 Explain purpose of dielectric fluid used in EDM process. (CO8)

Q.29 Explain wire gun method of metal spraying with sketch. (CO8)

Q.30 Explain the process of powder coating. (CO5)

Q.31 Explain electroplating with help of neat sketch. (CO7)

Q.32 Explain advantages and disadvantage of electrochemical machining. (CO9)

Q.33 Explain plasma arc machining. (CO4)

Q.34 Explain different types of honing process. (CO4)

Q.35 What is buffing process. Give purpose and application of buffing. (CO5)

Section-D

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

- Q.36 Explain classification of milling machine with neat sketch. (CO3)

Q.37 Explain following with neat sketch (CO5)

a) LBM b) EDM

Q.38 Explain following (CO7)

a) Centre less grinding b) Surface grinding

c) Cylindrical grinding

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5th Sem. / Mech. Prod. T&D, CNC, CAD/CAM, Found & Forg., Mech Engg. (Fabrication Tech.) mechanical Engg. (CAD/CAM Design & Robotics) Subject : Workshop Technology-III

Time : 3 Hrs. M.M. : 100

SECTION-A

Note: Multiple type Questions. All Questions are compulsory. (10x1=10)

- Q.1 Which of following is a dielectric fluid? (CO2)

 - a) Silicon oil
 - b) Kerosene
 - c) White spirit
 - d) None

Q.2 Which of following coolants are used in honing process? (CO2)

 - a) Lard oil mixed with Kerosene
 - b) Tarpentine oil
 - c) Soap and water solution
 - d) All of above

Q.3 While specifying a wheel, grain size is indicated by : (CO6)

 - a) Numbers
 - b) Symbols
 - c) Alphabets
 - d) None of above

- Q.4 Milling cutter is a (CO4)
a) Single point cutting tool
b) Multipoint cutting tool
c) Single bit cutting tool
d) None of above

Q.5 While milling cast iron, coolants used is- (CO5)
a) Dry air b) Soluble oil
c) Mineral oil d) None of above

Q.6 Which of the following is a gear finishing process? (CO6)
a) Lapping b) Gear hobbing
c) Gear shaping d) All of above

Q.7 The common abrasive used in ultrasonic machining. (CO6)
a) Corundum b) Silicon Carbide
c) Boron carbide d) All of above

Q.8 The principle used in electro-chemical machining is (CO7)
a) Faraday b) Newton
c) Fleming d) None

Q.9 Which of the following is a method of measurement of surface roughness (CO9)
a) Centre line average b) Root mean square
c) Both A & B d) None of above

Q.10 In oil Paint. turpentine oil is (CO2)
a) Base b) Vehicle
c) Pigment d) Solvent

Section-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Name two milling methods. (CO2)

Q.12 Define gang milling. (CO2)

Q.13 Define material removal rate in milling. (CO4)

Q.14 Name different gear finishing process. (CO3)

Q.15 Define Pinion. (CO2)

Q.16 Write advantages of gear shaping. (CO6)

Q.17 Write full form of LASER. (CO7)

Q.18 Define Lapping. (CO9)

Q.19 What is ultrasonic machining? (CO7)

Q.20 Define truing of grinding wheel. (CO5)

Section-C

Note: Short answer type Question. Attempt any twelve questions out of fifteen Questions. (12x5=60)

- Q.21 Compare milling machine with engine lathe. (CO2)

Q.22 Draw neat sketch of Knee and column type milling machine. (CO7)

Q.23 Define Gear. What are its types? Explain them. (CO4)

Q.24 What is Gear hobbing? Explain. (CO6)

Q.25 How is grinding wheel selected? (CO2)

Q.26 What is thread grinding? Explain different types. (CO4)

Q.27 What are functions of abrasive in grinding wheel? Name two types. (CO7)