

No. of Printed Pages : 4

Roll No.

121753

5th Sem. / Mech. / Prod. / T&D / CAD / CAM / F&F

Subject : Workshop Technology - III

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Define conventional milling.
- Q.2 Name the milling methods.
- Q.3 Define grinding.
- Q.4 Name any two super finishing processes.
- Q.5 Define truing of grinding wheel.
- Q.6 Name one commonly used dielectric fluid in EDM process.
- Q.7 What is the other name of electric discharge machining?
- Q.8 Define deburring.

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Q.9 Write full form of U.S.M.

Q.10 Which process has low stock removal ability.

- a) honing
- b) lapping

SECTION-B

Note: Very short answer type questions. Attempt any ten questions out of twelve questions. 10x2=20

- Q.11 Define Super finishing.
- Q.12 Give two limitations of milling machine.
- Q.13 State the functions (any two) of metal spraying.
- Q.14 Define form milling.
- Q.15 Name any two elements of grinding wheel.
- Q.16 Name any four gear finishing processes.
- Q.17 Name the four elements of ultrasonic machining.
- Q.18 Give the function of base in an oil paint.
- Q.19 Define lay.
- Q.20 Name any two methods of metal spraying.

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Q.21 Write the two advantages of honing process.

Q.22 Define equalizing lapping.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. 8x5=40

Q.23 Enlist five limitations of ECM.

Q.24 How is a milling machine specified?

Q.25 Enlist any five purposes of grinding process.

Q.26 Give five application of metal spraying.

Q.27 What is the function of abrasives in a grinding wheel. Name any two types of abrasives used in grinding wheels.

Q.28 Explain the process of gear hobbing.

Q.29 State the function of dielectric fluids used in EDM processes.

Q.30 Explain the process of powder coating.

Q.31 Explain any one method used for surface roughness measurement.

Q.32 Write the application of super finishing.

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SECTION-D

Note: Long answer type questions. Attempt any three questions out of four questions. 3x10=30

Q.33 Explain in detail Indexing or dividing head in milling machines.

Q.34 Explain in detail surface, cylindrical and centre less grinding. <http://www.hsbteonline.com>

Q.35 Explain the principle and process of Laser Beam Machining in detail.

Q.36 Describe honing? Explain the honing process with diagram.

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