

Total No. of Questions: [03]

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| PAPER CODE | V222-265(ESE) |
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MAY 2022 -ENDSEM EXAM
S.Y. B. TECH.(MECHANICAL) (SEMESTER - II)
COURSE NAME: MANUFACTURING TECHNOLOGY
COURSE CODE: MEUA22205
(PATTERN 2020)

Time: [1Hr]

[Max. Marks: 30]

Instructions to candidates:

- 1) Figures to the right indicate full marks.
- 2) 'a' part of every question is compulsory
- 3) Use of scientific calculator is allowed
- 4) Use suitable data where ever required

Q.1 a)Discuss different factor to be considered before selection of grinding wheel? [4]

b)Explain cylindrical grinding and surface grinding? [6]

OR

b)Justify meaning of each letters printed on grinding wheel- W-C-20-Q-6-V-12 [6]

Q2 a)Discuss characteristics of Laser Beam Machining(LBM) [4]

b)Explain with a neat sketch Electro Chemical Machining(ECM) [6]

OR

b)Explain EDM process with block diagram. [6]

Q.3 a)Compare jigs and fixtures [4]

b)Explain with sketch 3-2-1 principle. [6]

OR

b)Classify different jigs and explain template jig and plate jig with sketch. [6]