

Total No. of Printed Pages:02

SUBJECT CODE NO:- H-276
FACULTY OF SCIENCE AND TECHNOLOGY
S.E. (Mech/Prod)
Production Processes-II
(OLD)

[Time: Three Hours]

[Max. Marks: 80]

- N.B Please check whether you have got the right question paper.
- i) Question No. 1 from section A and Q. No.6 from section B are compulsory.
 - ii) Attempt any two questions from Q. No 2 to Q. No 5 in section A and any two questions from Q. No 7 to Q. No 10 in section B.
 - iii) Assume suitable data whenever necessary.

Section A

- | | | |
|-----|---|----------|
| Q.1 | Attempt any five questions from the following:- | 10 |
| | <ol style="list-style-type: none"> a) What are the types of chips? b) What are the various materials used for cutting tools? c) What is machinability? d) Explain economics of machining. e) Enlist Lathe Accessories. f) Explain Live centre and Dead centre in Lathe machine. g) Enlist work holding devices for milling machine. h) What are the applications of universal dividing head. i) What is CIM? j) What is Gear Hobbing? | |
| Q.2 | <ol style="list-style-type: none"> a) What is orthogonal and oblique cutting? b) Explain heat generated in machining. | 08 07 |
| Q.3 | <ol style="list-style-type: none"> a) What is the effect of cutting speed, feed and depth of cut on tool life in machining process? b) Enlist workholding devices for Lathe Machine .Explain any two with neat sketches. | 08 07 |
| Q.4 | <ol style="list-style-type: none"> a) What are the various Lathe Attachments? b) With neat sketch , explain universal milling machine. | 08 07 |
| Q.5 | <ol style="list-style-type: none"> a) Enlist tool holding devices for milling machine .Explain any two with neat sketches. b) What are the various operations performed on milling machine? | 08 07 |

Section B

- Q.6 Attempt any five questions from the following:- 10
- What are the various types of slotter?
 - Enlist work holding devices for drilling machine.
 - What is grade and structure of grinding wheel?
 - What are boring bars?
 - What are the limitations of broaches?
 - What is the need of Non-Traditional Machining?
 - What are the classification of non-traditional machining processes?
 - What is Electron Beam machining?
 - Enlist boring defects.
 - Enlist tool holding devices for shaper machine.
- Q.7 a) What are the various workpiece holding devices for shaper machine. Explain any two with neat sketches. 08
- b) Explain the principle & working of slotter machine. 07
- Q.8 a) With neat sketch explain sensitive drilling machine .Give its applications. 08
- b) What is the classification of boring machine? Explain any one. 07
- Q.9 a) Explain push and pull type broach. 08
- b) What is dressing and trueing of grinding wheel ? When it is to be done? 07
- Q.10 a) What are the advantages , limitations and applications of Laser Beam machining process? 08
- b) With neat sketch explain Electro chemical machining. 07