

Total No. of Printed Pages:02

SUBJECT CODE NO:- H-276
FACULTY OF ENGINEERING 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) Q. 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) Figures to three right indicate full marks.
 - iv) 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 is CIM? b) What are the benefits of CNC machine? c) What are the types of chips in machining process? d) What is machinability? e) Enlist the workpiece holding devices in Lathe machine. f) What are the types of Lathe Machines? g) Enlist the milling cutters. h) What is chip breaker? i) Explain Gear Hobbing purpose. j) Explain the role of Automation in machine tool. | |
| Q.2 | <ol style="list-style-type: none"> a) What are the various types of cutting tools used in machine tools? b) What is orthogonal and oblique cutting? | 08
07 |
| Q.3 | <ol style="list-style-type: none"> a) What is the effect of cutting speed, feed rate and depth of cut on Lathe machine for tool life? b) Enlist tool holding device for Lath Machine. Explain any two with neat sketches. | 08
07 |
| Q.4 | <ol style="list-style-type: none"> a) What are the various Lathe Accessories? b) Explain the construction and working of universal Milling Machine. | 08
07 |
| Q.5 | <ol style="list-style-type: none"> a) What are the various operations performed on milling machines? b) What are the various types of workpiece holding devices for Milling Machine | 08
07 |

Section B

Q.6	Solve any Five:-	10
	a) What are the functions of planner?	
	b) What are the operations performed on slotter machine?	
	c) How selection of grinding wheel done?	
	d) What are the functions of broach?	
	e) What are boring bars?	
	f) What are grit and grades?	
	g) What are the types of grinding machine?	
	h) Enlist work holding devices for grinding machine.	
	i) What is the need of non-traditional machining?	
	j) What is chemical machining?	
Q.7	a) What are the various operations performed on shaper machine?	08
	b) Explain with neat sketch slotter Machine.	07
Q.8	a) What is surface Grinder? Explain any one horizontal surface grinder.	08
	b) Explain sensitive drilling machine.	07
Q.9	a) With neat sketch explain horizontal broaching machine.	08
	b) What is Laser Beam Machining ? Give it's advantages and applications.	07
Q.10	a) Explain with neat sketch Abrasive Jet Machining.	08
	b) What is EDM process? State applications of EDM process.	07