

SUBJECT CODE NO:- P-372
FACULTY OF ENGINEERING AND TECHNOLOGY
S.E.(Mech./Prod) Examination May/June 2017
Production Processes-II
(Revised)

[Time: Three Hours]

[Max.Marks:80]

Please check whether you have got the right question paper.

- N.B
- i) Q.No.1 from section A and Q.No.6 from section B are compulsory.
 - ii) solve any two questions from each section other than Q.no.1 & Q.no.6
 - iii) figures to the right indicate full marks .

Section A

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|-----|--|----------|
| Q.1 | Solve any five of the following. | 10 |
| | <ul style="list-style-type: none">a) State the functions of machine toolsb) Which are the principle of metal cuttingc) What is orthogonal cuttingd) Enlist computer application in machine tool.e) Enlist various lathe operationsf) What is difference between speed lathe & centre latheg) What are lathe centers? Enlist various lathe centers.h) What is slab milling?i) What is down milling?j) Enlist different operations on milling machine | |
| Q.2 | <ul style="list-style-type: none">a) What are the effects of cutting speed , feed & depth of cut on tool lifeb) Explain heat sources in cutting. | 08
07 |
| Q.3 | <ul style="list-style-type: none">a) With block diagram explain constructional details of centre lathe.b) What are the different lathe attachments? explain in details | 08
07 |
| Q.4 | <ul style="list-style-type: none">a) Explain gear cutting procedure on millingb) Explain principle parts of milling machine. | 08
07 |
| Q.5 | <ul style="list-style-type: none">a) Discuss various types of chips with neat sketches.b) Explain different types of milling cutters | 08
07 |

Section B

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| Q.6 | Solve any five of the following | 10 |
| | <ul style="list-style-type: none">a) State working principle of planerb) Classify slotter machines.c) Enlist different operations performed on shaper.d) Enlist work holding devices on drilling machinee) Enlist boring defects.f) State working principle of cylindrical grindingg) What are the limitation broachingh) Give application of EBM.i) State working principle of AJM .j) What are the advantages of EDM | |
| Q.7 | <ul style="list-style-type: none">a) With neat sketch explain the principle parts of shaperb) Explain different operations performed on slotter machine | 08
07 |
| Q.8 | <ul style="list-style-type: none">a) Classify boring machine & explain any one with neat sketch | 08 |

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- Q.9 b) Explain twist drill nomenclature 07
a) With neat sketch explain electrochemical grinding give its disadvantages 08
b) Explain ion beam machining 07
- Q.10 a) Write a short note on 'boring bars & boring heads'. 08
b) How the grinding wheels are specified? Explain. 07