

B.Tech. SEM -VI Production 2014 Course (CBCS) : WINTER - 2018
SUBJECT-ELECTIVE-I: NON TRADITIONAL MANUFACTURING

Day: Saturday
Date: 17/11/2018

W-2018-2506

Time: 10.00 AM TO 01.00 PM
Max. Marks: 60

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figure to the right indicate **FULL** marks.
 - 3) Draw neat and labeled diagram **WHEREVER** necessary.
 - 4) Assume suitable data wherever necessary.
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Q.1 Why are the Non conventional manufacturing processes not completely taking over the Conventional manufacturing process? Explain. (10)

OR

Q.1 Describe in brief Non Traditional Machining. (10)

Q.2 What are the major process parameters of AJM? Explain them in detail. (10)

OR

Q.2 Explain with suitable sketch USM process in detail .Also state its merits demerits applications. (10)

Q.3 Explain elements of ECM process in detail. (10)

OR

Q.3 What is the different process parameters considered for evaluation of effectiveness of ECG? Explain. Also brief the major area of application of ECG process. (10)

Q.4 Describe chemical milling and chemical blanking in detail. (10)

OR

Q.4 What are the process parameters of chemical machining? Explain them in detail (10)

Q.5 a) In a RC type generator the minimum charging voltage is 70V and the charging capacitor is 90 μ f. Determine spark energy. (05)

b) Discuss the application of EDM. (05)

OR

Q.5 How Electric discharge machining classified? Explain any two in detail. (10)

Q.6 Describe basic principle, Working and general application of LBM process. (10)

OR

Q.6 What is principle of plasma arc cutting? Explain equipments of PAC process. (10)

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