QUESTION BANK - UNIT TEST 1

ADVANCED MANUFACTURING PROCESSES (22563)

Chapter 1

2 Mark Questions

1) Enlist functions of dielectric fluid. (CO1)

2) Enlist different electrolyte materials. (CO1)

3) State the advantages of advanced manufacturing processes. (CO1)

4 Mark Questions

4) Classify non-traditional manufacturing processes. (CO1)

5) What are the main parameters to be considered while selecting particular advanced manufacturing process? (CO1)

6) Explain R-C circuit in EDM with neat sketch. (CO1)

7) Explain with graph effect of process parameters on metal removal rate. (CO1)

8) Describe setup of PAM with neat sketch. (CO1)

9) Enlist Advantages and disadvantages of LBM. (CO1)

10) Explain working of USM with sketch. (CO1)

11) Explain physical principle of laser. (CO1)

Chapter 2

2 Mark Questions

12) Draw metal slitting cutter. (CO2)

13) Draw sketch of face milling operation. (CO2)

14) Draw sketch of angular milling operation. (CO2)

15) Define Indexing. (CO2)

16) What are different types of dividing heads? (CO2)

4 Mark Questions

17) State difference between milling and other machining processes. (CO2)

18) Describe construction and working of universal milling machine. (CO2)

19) Give classification of milling cutters. (CO2)

20) Compare Up milling and down milling. (CO2)

21) Explain Compound indexing. (CO2)

22) What are the working rules for differential indexing? (CO2)

Chapter 3

2 Mark Questions

23) State limitations of gear shaping operation. (CO3)

24) State limitations of gear hobbing operation. (CO3)

4 Mark Questions

25) What are the various methods of gear manufacturing? (CO3)

26) Describe Pinion cutter Gear shaping process. (CO3)

27) Compare gear hobbing and Gear Shaping process. (CO3)

28) Compare Gear Burnishing and Gear Grinding. (CO3)