

Total No. of Questions : 6]

SEAT No. :

P100

[Total No. of Pages : 1

OCT./BE/Insem-24
B.E. (Mechanical Engineering)
ADVANCED MANUFACTURING PROCESSES
(2012 Pattern) (Elective - II) (Semester - I)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) *All questions are compulsory i.e. Solve Q.1 or Q.2, Solve Q.3 or Q.4, Solve Q.5 or Q.6.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*

- Q1)** a) Explain the factor affecting spinning process with neat sketch also list the application of Shear Spinning? [6]
b) Write short note on Flow Forming Process with its applications. [4]

OR

- Q2)** a) Explain High velocity forming process with neat sketch also lists the applications. [6]
b) Draw sketch of electromagnetic forming and writes its applications. [4]

- Q3)** a) Explain working of Friction stir welding process with different tools. [6]
b) Explain the Squeeze casting process with sketch. [4]

OR

- Q4)** a) Explain working of Vacuum die casting process with neat sketch. [6]
b) Explain why Friction Stir welding is called as Green welding technique? [4]

- Q5)** a) Explain working of Electrolytic In Process Dressing with neat sketch. [6]
b) Write short note on Electro-chemical grinding. [4]

OR

- Q6)** a) Explain working principle of Shape Tube Electrolytic Machining with neat sketch. [6]
b) Write short note on Electro-chemical etching. [4]

