(i) answer any two full questions from Sections – 11. II Solutions – 11. II Solutions from Sections – 11. II Solutions – 11. I S 10 5 [Turn over 9ME33 s and explain shrinkage allowance. Code: III Semester Diploma Examination, Nov./Dec. 2013 MANUFACTURING TECHNOLOGY and explain dry sand. Explain with neat sketch the centrifugal casting process List the different types of foundry same Define pattern and explain skeleton List the different pattern making allows Register Number Fill in the blanks : : 3 Hours (iv) (iii) (ii) (1) (0) (q) (a) (c) (9) (a) (q) (a)

	HOH	(E)	FI (i)	000	(b) I (c)	(c) (a) (c)
Explain the importance of forging. Explain drawing down operation. List the forging defects and its remedies.	SECTION – III List the different types of presses and hammers in forging. E.C. List the cold working processes and explain cold rolling. What are the differences between cold working and hy working ?	Explain with neat sketch the two-high mill. Explain shielded metal are welding. Explain plasma are welding.	 a) Explain with neat sketch the TIG welding. b) List the welding defects and remedies. b) Explain with a neat sketch the power press BDC and a secret of the power press BDC and a secr	List the different types of press operations and explain drawing operation. With a neat sketch explain compound de. List the lathe accessories and attachments and explain four jaw chuck.	List the different lathe operations and explain turning operation. Give the comparison of Engine lathe add apstan/Turret lathe. A shaft 1000 mm long has to be the under the density of 500 mm. Taper is 1 : 200 maximum diameter of sheet mm. Determine the minimum diameter of the shaft and the amount of tail neck set-over.	Explain with neat sketch the Radial Urilling machine. List the different operations performed on drilling machine and explain counter boring. At what speed a 15 mm dia will run to drill a hole through a brass plate 20 mm thick in order to cut the material at a surface speed of 60 m/min, also calculate the feed used per rev.
(c) (c)	(c) (c) (a)	(a) (b)	(a) (b)	(a) (b)	(c) (p)	(a) (b)
			-	~	ä	10,