B. Tech. 4th Semester (ME) F-Scheme Examination, May-2018

MANUFACTURING TECHNOLOGY-I

		Paper-ME-202-F	1/20/07/12/1
Tim	e allo	wed: 3 hours] [Ma	ximum marks : 100
No	a	Question No. 1 is compulsory ttempt five questions in total, a compact section.	
1.	(a)	What is the geometry of twis	t drills ?
0.1	(b)	What is the principle of locat	ion? 5
Ù1	(c)	What is the inspection and Qu	uality control? 5
	(d)	What is the cold working?	is tedW (d) 5
		Section-A	siberiti :
2.		at are the different types of racterstics? Also explain the i	
	forn	nation.	20
3.	(a)	What are the different element cost?	ents of machining
	(b)	What is the tailor equation of	ftool life? 10
		Section-B	en (81 . (0)
4.	(a)	What are different locati	ng and clamping
		devices?	10

(b)	What are different factors influencing the	surfac
	finish?	10
(a)	What is the theory of forging?	10
(b)	Discuss the micro and macro deviation.	10
	Section-C	
(a)	Discuss the gating system.	10
(b)	What are different constructional featu	ires of
	milling machine ?	10
(a)	What are different types of pattern?	10
(b)	What are different sand casting defec	ts and
	remedies ? A - not sold	10
	Section-D is self-see and	
(a)	Explain the different welding defect	s and
	remedies in detail.	10
(b)	Discuss the electro slag welding.	10
Writ	e short note on the following:	
(i)	TIG welding	
(ii)	Friction welding	20
	(a) (b) (a) (b) Writ (i)	 (a) What is the theory of forging? (b) Discuss the micro and macro deviation. Section—C (a) Discuss the gating system. (b) What are different constructional feature milling machine? (a) What are different types of pattern? (b) What are different sand casting defect remedies? Section—D (a) Explain the different welding defect remedies in detail. (b) Discuss the electro slag welding. Write short note on the following: (i) TIG welding