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(Date	Fourth	Semester	B.E. De
5	22/	Maı	nufactı

18MT44

(10 Marks)

gree Examination, June/July 2023 uring Technology

1	Tin	ie:U	hrs. Max. Ma	arks: 100
	-	N	ote: Answer any FIVE full questions, choosing ONE full question from each mod	lule.
ce.			Module-1	
racti	1	a.	The state of the s	(10 Marks)
ıalpı		b.	Define Costing. Briefly explain the sand costing process.	(10 Marks)
3 your answers, compulsorily draw diagonal cross lines on the remaining blank pages. of identification, appeal to evaluator and /or equations written eg, $42+8=50$, will be treated as malpractice.			OR	
reate	2	a.	With a neat sketch, explain cope and drag pattern and match plate pattern.	(10 Marks)
es. be ti		b.	Explain the properties of moulding sand.	(05 Marks)
your answers, compulsorily draw diagonal cross lines on the remaining blank pages of identification, appeal to evaluator and /or equations written eg, $42+8=50$, will be		c.	Explain the requirements of core sand.	(05 Marks)
lank 50, v				
1g b			Module-2	4075
inir 42+8	3	a.	Explain the classification of metal working process.	(10 Marks)
ema		b.	Define Forging. Explain any 2 forging operations.	(10 Marks)
ten (OR	
on 1 writ	4	0	With a neat sketch, explain two high rolling mills and cluster mill.	(10 Marks)
nes	4	a. b.	With a neat sketch explain Rod drawing process.	(10 Marks)
ss li aatic		υ.	with a neat sketch explain read diawing process.	(10 Marks)
cro			Module-3	
onal d/o	5	a.	Explain any two methods of extrusion process.	(10 Marks)
liag r an		b.	With a neat sketch, explain progressive dies.	(10 Marks)
aw c				
y dra valu			OR	
orily to e	6	a.	Define welding process. Explain the advantages and disadvantages of welding pro	
puls		1	Will a late to the first of the late to th	(10 Marks)
com,		b.	With a neat sketch, explain flux shielded metal arc welding process.	(10 Marks)
rs, c			Module-4	
iswe	7	a.	Briefly explain the principles of non-traditional processes.	(10 Marks)
ır ar lenti	/		Briefly explain with a neat sketch the arrangement and working principle of	
you of id		į.	machining process.	(10 Marks)
ting ing (
aple reali			OR	
con / rev	8	a.	Briefly explain the process of Abrasive Jet Machining process.	(10 Marks)
On		b.	Explain the advantages, limitations and applications of electro-chemical process.	(10 Marks)
1. 2.				
ote			Module-5	
nt N	9	a.	Explain the basic components of CNC machine tool.	(10 Marks)
Important Note: 1. On completing 2. Any revealing c		b.	Explain the configuration of CNC machine control unit.	(10 Marks)
dwj			OP	
	10		OR List and explain four types of CNC machining centres.	(10 Marks)
	10	a.	Explain the eleventeres disadvantages and application group of CNC	(10 Marks)

b. Explain the advantages, disadvantages and application areas of CNC.