Q.P. Code: 14930

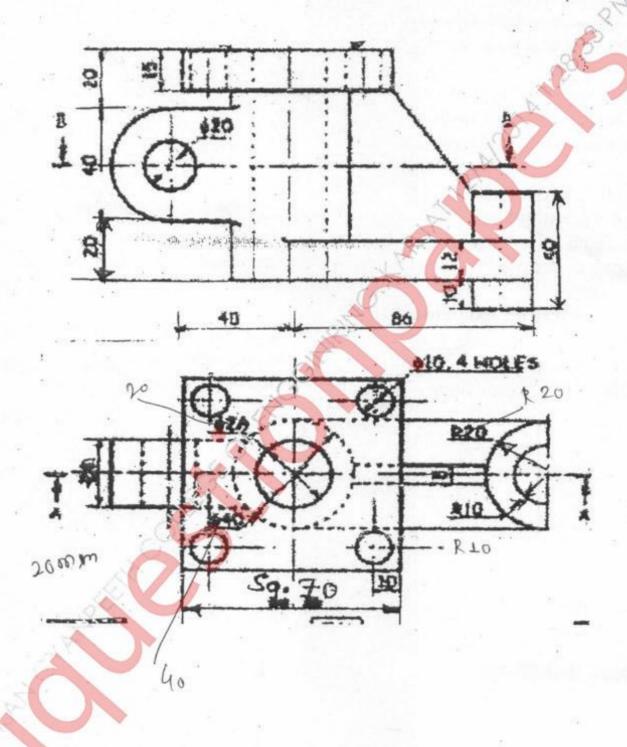


(3 Hours)

[ Total Marks: 80

N.B.: (1)Question No.1 is Compulsory.

- Solve any three from question Nos. 2 to 6. (2)
- Support your answers with neat sketches.
- 1. (a) Design and draw a drill jig to drill 4 holes of φ10, for the given figure. Draw 20 minimum two views of jig and indicate important dimensions.



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			2	
2.	Explain any three of the following:-			20
	-	(a)		
		(b)	Principle of clamping	
		(c)	Centralizers	1
	¥6	(d)	Equalizer	
3.	Differentiate following:-			20
		(a)	Jigs and Fixture	
		(b)	Allen screws and Dowels	
		(c)	Plate jig and post jig	
4.	Write short note with the help of suitable diagrams :-			20
	a a lagracia	(a)	Construction of Typical Milling Fixture	
		(b)	Construction of Turning fixture	
-	(0)	Who	at is imming 2	10
Э.	(a)	Discuss different methods of preventing jamming with neat sketches.		
٢	(h)		w a sketch of indexing jig.	10
	(b)	Hov	w it may differ constructionally from indexing fixture?	
,	(-)	337-1	to a shout note on indexing	10
6.	(a)		te a short note on indexing.	10
	(b)	Stat	te following statements are true or false (Give reasons)  (i) Diamond pins are provided to prevent jamming.	
	14		(ii) Dowels are used for clamping components.	

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