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WORKSHOP TECHNOLOGY-III 5th Exam/Mech./5332/Jun'2022 (For 2018 Batch Onwards)

	(For 2018 Batch Onwards)	
Duratio	· · · · · · · · · · · · · · · · · · ·	M.Marks:75
	SECTION-A	
Q1. Do	as directed.	15x1=15
a.	is a milling machine shaft for holding and driving cutters.	
b.	Milling operation which uses combination of more than two cutters is calle	d
C.	is used to grind small cylindrical parts without holding them betwee	en centers.
d.	Universal dividing head is used for	
e.	is a mass production process of manufacturing small and thin gears	of metal sheet.
f.	convert reciprocating motion into rotary motion and vice versa.	
g.	Transducer in ultrasonic machining is used to	
h.	Sharpening of carbide tips and tools is done by the process of	
i.	Process of providing thin layer of zinc on mild steel is called	
j.	Buffing is surface finishing process is performed to provide	
k.	Milling cutter generally moves perpendicular to its axis. (True/False)	
I.	Indexing head is designed to divide circle into the desired number. (True/Fa	
m.	A process in which two surfaces are rubbed together with an abrasive between	een them is called
	Honing (True / False)	
	Cutting of ferrous and non ferrous metal is possible with plasma arc weldin	g. (True / False)
0.	Bevel gears are used to connect two shafts at 45° angle. (True / False)	
	SECTION-B	
Q2. Att	empt any six questions.	6x5=30
i.	Explain working principle of milling machine.	
ii.	Write short note on internal centreless grinding.	
iii.	What are advantages and disadvantages of gear hobbing process?	
iv.	What are applications of electro chemical machining?	
٧.	Explain working principle of electrical discharge machining.	
٧i.	Explain briefly Electroplating.	
vii.	What are applications of honing process?	
viii.	Discuss briefly machine lapping process.	
ix.	What is polishing in metal finishing process?	
	SECTION-C	
Q3. Att	empt any three questions.	3x10=30
a.	Explain working of universal milling machine with the help of neat sketch.	
b.	Discuss various grinding methods.	
C.	Explain constructional detail and working of ultrasonic machining process.	
d.	Describe types of hones used in honing process.	
e.	Explain constructional detail and working of Electron beam machining.	