Roll No. _____

END SEMESTER EXAMINATION
SEMESTER-III

COURSE CODE : GFT-203
COURSE TITLE : MACHINES TOOLS AND EQUIPMENT
SESSION : JULY-DEC' 21

DURATION : 3 (THREE)HRS
MAXIMUM MARKS : 75
PASS MARKS : 35 %

NOTE:
1. All the questions are compulsory
2. Attempt any 5 (five) questions.
3. Mark for each question is shown against it.
4. Assume suitable logical data wherever necessary.

1.	**(a)**	Write about the importance of sewing tools.	**(4)**
	(b)	With neat diagram describe the measuring tools.	**(6)**
	(c)	Elaborate on the various types of sewing machines.	**(5)**
2.	**(a)**	With neat diagram explain the various parts of domestic face plate.	**(8)**
	(b)	What are the advantages of industrial sewing machine.	**(4)**
	(c)	Define the term "Heavy duty".	**(3)**
3.	**(a)**	Explain any three types of belt.	**(3x3)**
	(b)	Compare chain drive against belt drive.	**(4)**
	(c)	What is Worm Gear? Explain.	**(2)**
4.	**(a)**	Illustrate the features of Singer Mars sewing machine.	**(5)**
	(b)	Write short notes on:	
		i) Needle feed machine	**(2)**
		ii) Walking foot	**(2)**
		iii) Serger or overlock machine	**(2)**
	(c)	Describe the working of belt drive	**(4)**
5.	**(a)**	Describe the workings of Rack and Pinion.	**(4)**
	(b)	What do you understand by the machine maintenance? Also explain the types of the machine maintenance.	**(3+4)**
	(c)	Mention the essential qualities of a good lubricant.	**(4)**
6.	**(a)**	What is intermittent lubrication? Explain it's application.	**(2+4)**
	(b)	Describe drop feed oiler with neat diagram.	**(4)**
	(c)	In addition to general cleaning, which are the core areas of sewing machine that need special attention? Explain	**(5)**
7.	**(a)**	Define stitch. And Explain the types of loop formation.	**(2+3)**
	(b)	Enumerate any five common faults of sewing machine and give its remedies.	**(5)**
	(c)	How time saving devices are useful in sewing machine? Explain.	**(5)**

8.	**(a)**	Write short notes on:	
		i) Ruffler	**(2)**
		ii) Hemmer	**(2)**
		iii) Cording foot	**(2)**
		iv) Zipper	**(2)**
		v) Thimble	**(2)**
	(b)	Explain the types of needles used in Industrial Sewing machine	**(5)**

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