

Subject Teacher : Asif Shahriar (Instructor)
Subject Name : Fabric Manufacturing-2
Subject Code : 21241
Technology : Textile & Apparel Manufacturing
Semester : 6th
Reference Book : Fabric Manufacturing-2 (Publisher: Prime Publication)

Marks	Grade Point	Letter Grade	Marks	Grade Point	Letter Grade
80>	4.00	A+	55-59	2.75	B-
75-79	3.75	A	50-54	2.50	C+
70-74	3.50	A-	45-49	2.25	C
65-69	3.25	B+	40-44	2.00	D
60-64	3.00	B	0-39	0.00	F

Mark Distribution (for 150 Marks)			
Theory Marks		Practical Marks	
Midterm	20	PC	25
Class test	05	PF	25
Quiz test	05	-	-
Final	80	-	-
Total	100	Total	50

Subject Aims:

1. To develop the basic knowledge regarding weaving mechanism
2. To develop knowledge & skill about different planning
3. To acquire knowledge to make different motions
4. To acquire knowledge to know different production systems of fabrics

Subject Outcome: 1. To know the process of production of weaving

2. Understand properly the process of different motions

3. Understand properly different mechanisms

Date	Lecture	Chapter	Class/Lab Supporting Equipment's	Learning Area	Learning Outcome
	01	1. Understand the shed.	Book, marker pen etc	1. Define shed. 2. Classify the shed. 3. Illustrate the method of formation of different sheds. 4. Mention the advantages & disadvantages of different types of sheds.	1. Understand properly the budgeting, gearing, cost control system and production method of shedding

Date	Lecture	Chapter	Class/Lab Supporting Equipment's	Learning Area	Learning Outcome
	02	2. Understand in shedding mechanism.	Marker, White board	1. Define shedding mechanism. 2. Classify method of shedding. 3. Define tappet and tappet shedding. 4. List different types of tappet.	Understand properly the budgeting, gearing, cost control system and production method of shedding mechanisms
	03	2. Understand tappet shedding mechanism.	Marker, White board	1. Discuss the mechanism of tappet shedding. 2. Explain the lift of tappet, depth of the shed and dwell period of tappet. 3. Discuss the points to be considered for tappet construction.	Importance and scope of tappet shedding mechanisms
	04	3. Understand tappet shedding mechanism.	Marker, White board	1. Describe the construction of plain tappet. 2. Describe the construction of twill tappet. 3. The advantages and disadvantages of tappet shedding	Understand properly the budgeting, gearing, cost control system and production method of tappet
	05	Quiz Test	Exam paper, Printed question paper etc.	Chapter 1 (Theoretically and practically based)	
	06	4. Understand the heald and reed count	Marker, White board	1. DEFINE HEALD COUNT & REED COUNT. 2. LIST THE DIFFERENT TYPES OF HEALD COUNT & REED COUNT.	Importance of heald and reed count
	07	Class Test	Exam paper, Printed question paper etc.	Chapter 2 (Theoretically and practically based)	
	09	4. Understand tappet driving	Marker, White board	1. State bottom shaft. 2. State counter shaft. 3. Discuss the function of counter shaft	Understand properly the budgeting, gearing, cost control system and production method of driving motions

Date	Lecture	Chapter	Class/Lab Supporting Equipment's	Learning Area	Learning Outcome
	10	5.Understand tappet driving	Marker, White board	1.Illustrate the driving of bottom & counter shaft. 2. Calculate the ratio of crank shaft, bottom shaft & counter shaft, R.P.M for different number of shedding tappet .	Understand properly the budgeting, gearing, cost control system and production method of driving motions
	11	6. Understand mounting of tappet & top roller.	Marker, White board	1.Define mounting of tappet. 2.Define mounting of top roller. 3.Discuss the mounting of tappet on bottom shaft & counter shaft.	Understand properly the budgeting, gearing, cost control system and production method of different loom and mounting of tappet
	12	7. Understand mounting of tappet & top roller.	Marker, White board	1.Discuss the heald shaft reversing motion. 2.Discuss the mounting of top roller for different number of heald shaft. 3.Relevant calculation of tappet driving & top roller mounting.	Understand properly the budgeting, gearing, cost control system and production method of different loom and mounting of tappet
	13	Review Class(1 to 3)	Book And Notebook	Board Question and short Question	Reviewing the Chapter according to student's problem.
	14	Review Class(4 to 6)	Book And Notebook	Board Question and short Question	Reviewing the Chapter according to student's problem.
	15	Quiz Test	Exam paper, Printed question paper etc.	Chapter 3 (Theoretically and practically based)	
	16	Review Class(1 to 6)	Book And Notebook	Board Question and short Question	Reviewing the Chapter according to student's problem.
	17	Class Test	Exam paper, Printed question paper etc.	Chapter 4 (Theoretically and practically based)	
Mid Term Examination					

Date	Lecture	Chapter	Class/Lab Supporting Equipment's	Learning Area	Learning Outcome
	18	8 Understand the picking motion.	Marker, White board	1. Define picking. 2. Classify the picking mechanism. 3. Define over picking & under picking.	Understand properly the budgeting, gearing, cost control system and production method of different loom and picking mechanisms
	19	9. Understand the picking motion.	Marker, White board	1. Illustrate the working principle of over picking. 2. Illustrate the working principle of under picking. 3. Distinguish between over picking and under picking	Understand properly the budgeting, gearing, cost control system and production method of different loom and picking mechanisms
	19	10. Understand the beating up.	Marker, White board	1. Define beating up. 2. Mention the objects of beating up. 3. Describe the crank and crank arm beating-up mechanism.	Understand properly the budgeting, gearing, cost control system and production method of different loom and beating mechanisms
	20	11. Understand the beating up.	Marker, White board	1. Define sley eccentricity. 2. Define reed count & heald count. 3. Classify reed count. 4. Calculation requiring reed count & heald count.	Understand properly the budgeting, gearing, cost control system and production method of different loom and beating mechanisms
	21	Quiz Test	Exam paper, Printed question paper etc.	Chapter 6 (Theoretically and practically based)	

Date	Lecture	Chapter	Class/Lab Supporting Equipment's	Learning Area	Learning Outcome
	22	Understand the hand knitting.	Marker, White board	1. Define hand knitting. 2. Classify the hand knitting. 3. Describe the types of hand knitting. 4. Describe hand driving socks machine	Understand the concept of hand knitting
	23	Class Test	Exam paper, Printed question paper etc.	Chapter 7 (Theoretically and practically based)	
	24	Understand the hand knitting.	Marker, White board	1. Describe the construction & working principle of sweaters machine. 2. Describe hand driving muffler machine. 3. Define the terms loop, loop length, course, Wales, open loop, close loop, needle, sinker, cam, stitch, plain stitch, back stitch, stitch density.	Understand the concept of hand knitting
	25	14. Understand the power knitting.	Marker, White board	1. Define power knitting machine. 2. Classify knitting machine. 3. Describe fabric machine. 4. Describe garments length machine. 5. Describe single jersey circular knitting machine.	Understand the concept of power knitting
	26	15. Understand knitting action.	Marker, White board	1. Describe single jersey circular knitting action. 2. Classify sinker & cam.	Understand the concept of knitting action

Date	Lecture	Chapter	Class/Lab Supporting Equipment's	Learning Area	Learning Outcome
				3. Describe the function of sinker & cam. 4. Define machine gauge. 5. Distinguish between single jersey & double jersey circular knitting machine. 6. Calculation of circular knitting machine.	
	27	Review Chapter 1&2	Book, marker pen	All Question of Chapter 1&2	Reviewing the Chapter according to student's problem.
	28	Review Chapter 3&4	Book And Notebook	All Question of Chapter 3&4	Reviewing the Chapter according to student's problem.
	29	Quiz Test	Exam paper, Printed question paper etc.	Chapter 9 (Theoretically and practically based)	
	30	Review Chapter 5&6	Book, marker pen, graph board	All Question of Chapter 5&6	Reviewing the Chapter according to student's problem.
	31	Class Test	Exam paper, Printed question paper etc.	Chapter 10 (Theoretically and practically based)	
	32	Review Chapter 7&8	Book, marker pen, graph board	All Question of Chapter 7&8	Understanding the Chapter according to student's problem.
	33	Review Chapter 9&10	Book, marker pen, graph board	All Question of Chapter 9&10	Understanding the Chapter according to student's problem.
	34	Review Chapter All	Book, marker pen, graph board	All Question of Chapter 1 to 10	Understanding the Chapter according to student's problem.
	35	Review Chapter All	Book, marker pen, graph board	All Question of Chapter 1 to 10	Understanding the Chapter according to student's problem.
	36	Presentation	Multimedia System, Projector. Internet Connection.	Short presentation by individual student.	Be confident on practical life.
	37	Model Test	Exam paper, Printed question paper etc.	Chapter 1-10 (Theory and practical based)	
Semester Final Examination					