

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

Daffodil Polytechnic Institute, Institute Code: 50238

Lesson Plan – Academic session: July to December 2023

Subject Teacher : Sabina Yasmin Koli (Instructor)

Subject Name :Textile Calculation-1

Subject Code : 1964

Technology : Textile Technology

Semester : 6th

Reference Book : Textile calculation-2 (Publisher: Prime Publication)

Weaving calculation: Talukder (Gronthonir prokasone)

Mark Distribution (for 150 Marks)			
Theory Marks		Practical Marks	
Midterm	20	PC	00
Class test	05	PF	00
Quiz test	05	-	-
Final	80	-	-
Total	100	Total	00

Subject Aims:

To develop basic knowledge of calculation about cotton spinning such as

- Blow room
- Carding
- Draw frame
- Simplex
- Ring frame.

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

2. Understand properly the process of cost control.

3. Understand properly different calculation methods

Date	Lecture	Chapter	Class/Lab Supporting	Learning Area	Learning Outcome
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			Equipment's		
	01	1. Understand the calculation of blow room.	Book, marker pen etc	1.Gearing calculation of different blow room machines. 2.Calculation the draft and lap length of scutcher. 3.Calculation the cleaning efficiency of blow room.	1.Understand properly the budgeting, gearing, cost control system and production method of Blow room.
	02	1. Understand the calculation of blow room.	গধংশাবৎ, ডয়ারগব নড়ধৎফ	1.Calculation the production of the blow room. 2.Calculation the lap hank. 3.Solve the problems with the blow room section.	Understand properly the budgeting, gearing, cost control system and production method of blow room
	03	2. Understand the calculation of cotton carding.	গধংশাবৎ, ডয়ারগব নড়ধৎফ	1.Calculation the speeds of different rollers of carding machine. 2. Calculation the draft & draft constant.	Importance and scope of draft & draft constant methods
	04	2. Understand the calculation of cotton carding.	গধংশাবৎ, ডয়ারগব নড়ধৎফ	1.Calculation the silver hank & production. 2. Solve the problem of carding machine.	Understand properly the budgeting, gearing, cost control system and production method of silver hank
	05	Quiz Test	Exam paper, Printed question paper etc.	Chapter 1 (Theoretically and practically based)	
	06	3.Understand the calculation of drawing machine.	গধংশাবৎ, ডয়ারগব নড়ধৎফ	1.Calculation the speeds of rollers of drawing machine. 2.Calculation draft & draft constant. 3.Calculation the production and efficiency. 4.Solve the problems of drawing frame.	Importance of heald and drawing frame
	07	Class Test	Exam paper, Printed question paper etc.	Chapter 2 (Theoretically and practically based)	
	09	4. Understand the combining calculation.	গধংশাবৎ, ডয়ারগব নড়ধৎফ	1.Calculation the speeds of rollers. 2.Calculation draft & draft calculation. Calculation the silver count & production.	Understand properly the budgeting, gearing, cost control system and production method of silver count & production.

				3.Solve the problems of comber.	
	10	5.Understand the calculation of simplex	গধব্শবৎ, ডযরগ্গব নড়ধৎফ	Calculation the speed of different rollers & spindle speed of simplex machine. Calculation the draft and draft constant.	Importance of selection of simplex machine
	11	5.Understand the calculation of simplex	গধব্শবৎ, ডযরগ্গব নড়ধৎফ	Calculation the twist, twist constant, roving count and production. Solve the problem of simplex.	Understand properly the budgeting, gearing, cost control system and production method of twist, twist constant, roving count and production.
	12	6.Understand the calculation of the ring frame.	গধব্শবৎ, ডযরগ্গব নড়ধৎফ	Calculation the speeds of different rollers gearing diagrams. Calculation the draft & draft constant. Calculation the twist, twist constant, count & production. Mention the twist factor for different count. Solve the problem of ring frame.	Understand properly the budgeting, gearing, cost control system and production method of different twist, twist constant, count & production.
	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					
	18	7.Understand the different yarn numbering	গধব্শবৎ, ডযরগ্গব নড়ধৎফ	1.Calculation the yarn numbering in direct system. 2.Calculation the yarn numbering in indirect	Understand properly the budgeting, gearing, cost control system and production method of direct system.

		systems.		system	
	19	7. Understand the different yarn numbering systems.	গধংশবৎ, ডয়ারগব নড়ধৎফ	1. Convert the yarn number from one system to another system. 2. Solve the problems of yarn manufacturing systems.	Understand properly the budgeting, gearing, cost control system and production method of different yarn manufacturing systems.
	19	8. Understand moisture content & regain of Textile materials	গধংশবৎ, ডয়ারগব নড়ধৎফ	1. Define moisture regain & moisture content percentages. 2. Relation between moisture regain & moisture content.	Understand properly the budgeting, gearing, cost control system and production method of different moisture regain & moisture content.
	20	8. Understand moisture content & regain of Textile materials	গধংশবৎ, ডয়ারগব নড়ধৎফ	1. Calculate the moisture regain & moisture content of different Textile fibres.	Understand properly the budgeting, gearing, cost control system and production method of different moisture regain & moisture content percentages.
	21	Quiz Test	Exam paper, Printed question paper etc.	Chapter 6 (Theoretically and practically based)	
	22	4. Understand the combining calculation.	গধংশবৎ, ডয়ারগব নড়ধৎফ	1. Calculation the speeds of rollers. 2. Calculation draft & draft calculation. Calculation the silver count & production. 3. Solve the problems of comber.	Understand properly the budgeting, gearing, cost control system and production method of silver count & production.
	23	Class Test	Exam paper, Printed question paper etc.	Chapter 7 (Theoretically and practically based)	
	24	5. Understand the calculation of simplex	গধংশবৎ, ডয়ারগব নড়ধৎফ	Calculation the twist, twist constant, roving count and production. Solve the problem of simplex.	Understand properly the budgeting, gearing, cost control system and production method of twist, twist constant, roving count and production.

	25	8.Understand moisture content & regain of Textile materials	গধংশবং, ডয়ারংব নড়ধংফ	1.Define moisture regain & moisture content percentages. 2.Relation between moisture regain & moisture content.	Understand properly the budgeting, gearing, cost control system and production method of different moisture regain & moisture content.
	26	6.Understand the calculation of the ring frame.	গধংশবং, ডয়ারংব নড়ধংফ	Calculation the speeds of different rollers gearing diagrams. Calculation the draft & draft constant. Calculation the twist, twist constant, count & production. Mention the twist factor for different count. Solve the problem of ring frame.	Understand properly the budgeting, gearing, cost control system and production method of different twist, twist constant, count & production.
	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 1&2	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 14	Understanding the Chapter according to student's problem.
	35	Review Chapter All	Book,marker pen,graph board	All Question of Chapter 1 to 14	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.	Chapter1-14 (Theory and practical based)	
Semester Final Examination					

