	RGPV (Diploma Wing) Bhopal	SEMESTER TEACHING LEARNING & ASSESSMENT PLAN	FORMAT- 6

NAME OF PROGRAMME		THREE YEARS DIPLOMA	SCHEME	OCBC-19	IMPLEMENTING YEAR	2020-21

BRANCH CODE	T02		NAME OF BRANCH	TEXTILE TECH	SEMESTER	III

S. No	COURSE DETAILS						T-L PLAN		ASSESSMENT PLAN								
	COURSE CODE	COURSE NAME	credits	PAPER CODE	No. of COs	No. of LOs	Total T-L Hrs.	T-L Hrs. /Week	Internal Assessment		External Assessment (University Exam)						Grand Total of Marks
											Theory Paper			Practical Exam *			
									No. of LOs	Total Marks	No. of LOs	Total Marks	Duration	No. of LOs	Total Marks	Duration	
1	301	FABRIC SSTRUCTURE & CLOTH ANALYSIS -I	06	7100	05	15	110	8	3+3	50	7	70	3 Hrs	2	30	3Hrs	150
2	302	INTRODUCTORY SPINNING	06	7101	05	15	110	8	3+3	50	7	70	3 Hrs	2	30	3Hrs	150
3	303	TEXTILE FIBRES	04	7102	05	10	100	6	3	30	7	70	3 Hrs	-	-	-	100
4	304	INTRODUCTORY WEAVING	06	7103	05	15	110	8	3+3	50	7	70	3 Hrs	2	30	3Hrs	150
5	305	Professional Development-III	02		03	06	60	4								75	75
	TOTAL				-	-	490			180	-	280			90		
	No. of Theory Papers 4													No. of Practical Exams 3			

**Exam for LOs (Psycho + Affect.)*

LOs FORMATION

COURSE NAME: - FABRIC STRUCTURE & CLOTH ANALYSIS -1 (301)

(Total 100 Hrs. , Total 100 Marks)

List of COs and Los

CO1: To understand the elements of woven cloth, plain weave and its derivatives (20Hrs, 20 marks)

LO1: To understand the classifications and representation of fabric with draft,peg plan,denting plan and X- section (10 Hrs., 10 Marks)

LO2: To understand the plain weave and derivatives of plain weave.(10 Hrs., 10 Marks)

LO 3: To **Identify the types of Plain weave & its derivatives**

CO2: To understand and design of twill weaves, satin & sateen weave derivatives.(20Hrs, 20 marks)

LO1: To understand the designing of twill weave and its derivatives(10 Hrs., 10 Marks)

LO2: To understand the designing of satin and sateen weaves (10 Hrs., 10 Marks)

LO3:To identify **Twill ,satin ,sateen & its derivatives**

CO3: To understand and design of crepe weaves, honeycomb weave.

(20Hrs, 20 marks)

LO1: To understand the designing of different types of crepe weaves. (10 Hrs., 10 Marks)

LO2: To understand the designing of honeycomb weaves (10 Hrs., 10 Marks)

LO3: To identify the design crepe weave & its derivatives

CO4: To understand the designing of Huckaback, Mockleno weaves and spot figuring.

(20Hrs, 20 marks)

LO1: To understand the different types of Huckaback and Mockleno weaves. (10 Hrs., 10 Marks)

LO2: To understand the designing of different types of Spot figuring weaves (10 Hrs., 10Marks)

LO:3 TO identify the design **Mock leno weaves.**

CO5: To understand the designing of Cork Screw and Bed ford weaves

(20 Hrs, 20 marks)

LO1: To understand the designing of different types of cork screw weave(10Hrs10Marks)

LO2: To understand the designing of different types of bed ford cord weaves.

LO:3 To identify **Cork Screw weaves,Huckaback weaves. and** Bed ford cords**.**

PART B:- CURRICULUM OF TEXTILE TECHNOLOGY

RGPV (Diploma Wing) Bhopal	COURSE PLAN	Paper Code-7100	Sheet No. 1/1

Course Name	**FABRIC SSTRUCTURE & CLOTH ANALYSIS -1**	Semester	THIRD

Paper Code-7100	TEXTILE TECHNOLOGY	Course Code	301	No. of COs	05	No. of LOs	10

Total Hrs. of Teaching Learning	100	Total Marks	100	Total no. of Assessments		Types of Assessments		No. of External Assessments	

DESCRIPTION OF OUTCOMES			T-L Hrs.	Max. Marks
CO 01		**To understand the elements of woven cloth, plain weave and its derivatives**	20	27
Los	T0230111	To understand the classifications and representation of fabric with draft,peg plan,denting plan and X- section	06	10
	T0230112	To understand the plain weave and derivatives of plain weave	06	10
	T0230113	To **Identify and analyse the types of Plain weaves and its derivatives.(psychomotor domain)**	08	07
CO 02		**To understand and design of twill weaves, satin & sateen weave derivatives**	20	27
Los	T0230121	To understand the designing of twill weave and its derivatives	08	10
	T0230122	To understand the designing of satin and sateen weaves	06	10
	T0230123	To identify and analyse**Twill ,satin ,sateen & its derivatives.(psychomotor domain)**	06	07
CO 03		**To understand and design of crepe weaves, honeycomb weave**	20	26
Los	T0230131	To understand the designing of different types of crepe weaves.	08	10
	T0230132	To understand the designing of honeycomb weaves	06	10
	T0230133	**To identify and analyse the design crepe weave & its derivatives.(psychomotor domain)**	06	06
CO 04		**To understand the designing of Huckaback, Mockleno weaves and spot figuring.**	24	35
Los	T0230141	To understand the different types of Huckaback and Mockleno weaves.	08	10
	T0230142	To understand the designing of different types of Spot figuring weaves	08	10

	T0230143	TO identify and analyse the design **Mock leno weaves. .(**psychomotor domain)****	08	15
CO 05		**To understand the designing of Cork Screw and Bed ford weaves**	26	35
Los	T0230151	To understand the designing of different types of cork screw weaves	08	10
	TO230352	To understand the designing of different types of bed ford cord weaves.	08	10
	TO230353	To identify and anlyse**Cork Screw weaves, Huckaback weaves and** Bed ford cords**.(psychomotor domain)**	10	15

RGPV (DIPLOMA WING) BHOPAL		OCB CURRICULUM FOR THE COURSE	FORMAT - 3	Sheet No. 1/3
Branch	TEXTILE TECHNOLOGY	Semester	THIRD	
Paper Code-7100	301	Course Name	**FABRIC SSTRUCTURE & CLOTH ANALYSIS -1**	

CourseOutcome -I	**To understand the elements of woven cloth, plain weave and its derivatives**	Teach Hrs	Marks
Learning Outcome T0230111	To understand the classifications and representation of fabric with draft,peg plan,denting plan and X- section	06	10
CONTENT	The understanding of warp ,weft and representation of fabric on designing paper. To understand the different terms like ends per inch, picks per inch, repeat size, draft, peg plan, denting plan and cross- sections through warp and weft. Different types of drafts and their construction methods		
Method of Assessment	Internal assessment -Paper pen test		
Learning Outcome T0230112	To understand the plain weave and derivatives of plain weave	06	10
CONTENT	To undenstand the construction method of designing the plain weave and its draft, peg plan and denting plan with the end uses. To design the various derivative of plaing weave like warp ribs, weft ribs, matts along with draft, peg plan and denting plants.		
Method of Assessment	External assessment-Paper pen test		

Learning Outcome T0230113	To **Identify and analyse the types of Plain weaves and its derivatives**	08	07
CONTENT			
Method of Assessment	Internal assessment –Laboratory assessment by performance observation(7Marks)		
CourseOutcome 2	**To understand and design of twill weaves, satin & sateen weaves**		
Learning Outcome T0230121	To understand the designing of various twill weaves along with draft, peg plan and denting plans	08	10
CONTENT	Designing of twills alongwith the draft, peg plan and denting plans lile – warp faced , weft faced twills, balanced twills, elongated twills, pointed twills, waved twills, broken twills, transposed twills and harring bone twills		
Method of Assessment	External assessment-Paper pen test		
Learning Outcome T0230122	To understand the designing of satin and sateen weaves		
CONTENT	Understanding of the satin and sateen and their differences, Designing of regular and irregular sateens with different counting numbers along with the draft, peg plan and denting plans. End uses of satin and sateen weaves.	06	10
Method of Assessment	Internal assessment -Paper pen test		
Learning Outcome T0230123	To identify and analyse**Twill ,satin ,sateen & its derivatives**	7(marks) 6 Hrs	
CONTENT			
Method of Assessment	Internal assessment –Laboratory assessment by performance observation(7Marks)		
CourseOutcome 3	**To understand and design of crepe weaves, honeycomb weave.**		
Learning Outcome T0230131	To understand the designing of different types of crepe weaves.	08	10
CONTENT	Understanding the concept of crepe weaves and constructions of designs of crepe weaves along with draft, peg plan and denting plans. To understand the various construction methods of crepe weave construction like – crepe weave construction on sateen base, combination of floating weaves with plain threads, crepe weave construction by reversing and insertion of one weave over the other.		

Method of Assessment	External assessment-Paper pen test		
Learning Outcome T02301312	To understand the designing of honeycomb weaves	06	10
CONTENT	Understanding the concept of honeycomb weaves and constructions of designs of honrycomb weaves along with draft, peg plan and denting plans. To understand the various types of honeycomb weave construction like ordinary honeycomb and brighton honeycomb		
Method of Assessment	Paper pen test		
Learning Outcome T02301313	**To identify and analyse the design crepe weave & its derivatives**	6	6
CONTENT			
Method of Assessment	Internal assessment –Laboratory assessment by performance observation(06Marks)		
CourseOutcome 4	**To understand the designing of Huckaback, Mockleno weaves and spot figuring.**		
Learning Outcome T0230141	To understand the different types of Huckaback and Mockleno weaves.	08	10
CONTENT	Understanding the concept of huckaback and mockleno weaves and constructions of designs of huckaback and mockleno along with draft, peg plan and denting plans. To understand the various types of huckaback and mockleno weave.		
Method of Assessment	External assessment-Paper pen test		
Learning Outcome T0230142	To understand the designing of different types of Spot figuring weaves	08	10
CONTENT	Understanding the concept of spot figuring weaves and constructions of designs of spot figuring along with draft, peg plan and denting plans. To understand the various methods of placement of motifs in spot figuring designs. End uses of spot figuring designs.		
Method of Assessment	Internal assessment -Paper pen test/quiz/presentation/survey		
Learning Outcome T0230143	TO identify and analyse the design **Mock leno weaves.**	08	15
CONTENT	External assessment –Laboratory assessment by performance observation(15Marks)		
Method of Assessment			

CourseOutcome 5	**To understand the designing of Cork Screw and Bed ford weaves**		
Learning Outcome T0230151	To understand the designing of different types of cork screw weaves	08	10
CONTENT	Understanding the concept of corkscrew weaves and constructions of designs of various types of corkscrew screw weaves along with draft, peg plan and denting plans. To understand the various methods of construction of warp and weft corkscrew weaves.		
Method of Assessment	External assessment-Paper pen test		
Learning Outcome T0230152	To understand the designing of different types of bed ford, cord weaves.	08	10
CONTENT	Understanding the concept of bedford cords weaves and constructions of designs of bed ford weaves along with draft, peg plan and denting plans. To understand the various construction methods of bed ford weaves like – ordinary bed ford cord, wedded bed ford cords along with X- sections.		
Method of Assessment	External assessment-Paper pen test		
Learning Outcome T0230153	To identify and anlyse**Cork Screw weaves, Huckaback weaves and** Bed ford cords**.**	08	15
CONTENT			
Method of Assessment	External assessment –Laboratory assessment by performance observation		

LOs FORMATION

COURSE NAME: - INTRODUCTORY SPINNING (302)

(Total 100 Hrs. , Total 100 Marks)

List of COs and Los

CO1: To understand the spinning its sequence, ginning and mixing. (20Hrs, 20 marks)

LO1: To understand the sequence of spinning and ginning process and machines (10 Hrs., 10 Marks)

LO2: To understand the blending and mixing processes and machines (10 Hrs., 10 Marks

LO 3:To draw the diagram of the blending and mixing machine and explain the process

CO2: To understand the processes and machines of blowroom line.(20Hrs, 20 marks)

LO1: To understand opening and cleaning machines(10 Hrs., 10 Marks)

LO2: To understand the various beaters and beating machines used in blowroom (10 Hrs., 10 Marks)

LO3:To draw the diagram of the sequence of machinary for different types of yarns

CO3: To understand the regulating motions, safety controls installed in blowroom.

(20Hrs, 20 marks)

LO1: To understand the various material feed regulationg machines used in blowroom.(10 Hrs., 10 Marks)

LO2: To understand the maintainance schedule and safety measures in blowroom. (10 Hrs., 10 Marks)

LO3:To sketch and explain the working of various safety equipments used in blowroom,

CO4: To understand the details of construction, functions of carding machine.
(20Hrs, 20 marks)

LO1: To understand the different organs with their fuctions of carding machine. (10 Hrs., 10 M)

LO2: To understand the different concepts and attachments used in carding machine. (10 Hrs., 10Marks)

LO:3To draw the side view of carding ,explain the controls and differentiate the types of carding

CO5: To learn the calculations related to blowrooom and carding

(20 Hrs, 20 marks)

LO1: To understand opening and cleaning machines ulations of production,

efficiency etc related to blowroom.

(10 Hrs, 10 Marks)

LO2: To understand the calculations of production, efficiency etc related to blowroom. (10Hrs,10 Marks)

LO3:Calculate the production efficiency of different equipments

To understand the different concepts and attachments used in carding machine PART B:- CURRICULUM OF TEXTILE TECHNOLOGY

To understand the different organs with their fuctions of carding machine

RGPV (Diploma Wing) Bhopal		COURSE PLAN		Format -2		Sheet No. 1/1	
Course Name	**INTRODUCTORY SPINNING**			Semester	THIRD		
Paper Code 7101	TEXTILE TECHNOLOGY	Course Code	302	No. of COs	05	No. of LOs	10
Total Hrs. of Teaching Learning	100	Total Marks		Total no. of Assessments		Types of Assessments		No. of External Assessments	NIL

		DESCRIPTION OF OUTCOMES	T-L Hrs.	Max. Marks
CO 01		To understand the spinning its sequence, ginning and mixing	22	26
Los	T0230211	To understand the sequence of spinning and ginning process and machines	08	10
	T0230212	To understand the blending and mixing processes and machines	06	10
	T0230213	To draw the diagram of the blending and mixing machine and explain the process	08	06
CO 02		**To understand the processes and machines of blowroom line**	22	28
Los	T0230221	To understand opening and cleaning machines	06	10
	T0230222	To understand the various beaters and beating machines used in blowroom	08	10
	T0230223	To draw the diagram of the sequence of machinary for different types of yarns	08	08
CO 03		**To understand the regulating motions, safety controls installed in blowroom**	22	26
Los	T0230231	To understand the various material feed regulationg machines used in blowroom.	06	10
	T0230232	To understand the maintainance schedule and safety measures in blowroom	08	10
	T0230233	To sketch and explain the working of various safety equipments used in blowroom,	08	06

CO 04		**To understand the details of construction, functions of carding machine.**	22	35
Los	T0230241	To understand the different organs with their fuctions of carding machine	06	10
	T0230242	To understand the different concepts and attachments used in carding machine	08	10
	T0230243	To draw the side view of carding ,explain the controls and differentiate the types of carding	08	15
CO 05		**To learn the calculations related to blowrooom and carding**	22	35
Los	T0230251	To understand opening and cleaning machines ulations of production, efficiency etc related to blowroom.	06	10
	TO230252	To understand the calculations of production, efficiency etc related to blowroom.	08	10
	TO230253	Calculate the production efficiency of different equipments	08	15

RGPV (DIPLOMA WING) BHOPAL		OCB CURRICULUM FOR THE COURSE	FORMAT- 3	Sheet No. 1/3
Branch	TEXTILE TECHNOLOGY	Semester	THIRD	
Course Code	302/7101	Course Name	**INTRODUCTORY SPINNING**	

CourseOutcome 1	**To understand the spinning its sequence, ginning and mixing**	Teach Hrs	Marks
Learning Outcome T0230211	To understand the sequence of spinning and ginning process and machines	8	10
CONTENT	Spinning introduction and sequence of machines for different types of yarns, Different types of cotton, Cotton ginning with different types of gins – sketches and process details		

Method of Assessment	Internal assessment-Paper pen test		
Learning Outcome T0230212	To understand the blending and mixing processes and machines	6	10
CONTENT	Mixing and blending- concepts and differences in mixing and blending, types of blending, machines used of blending, modern methods of blending, blending of Man made fibres. Homogenous and hetrogenious belnds. Machines used for blending and spin finish		
Method of Assessment	External assessment-Paper pen test		
Learning Outcome T0230213	To draw the diagram of the blending and mixing machine and explain the process	8	6
CONTENT			
Method of Assessment	Internal assessment- laboratory test-performance of task - observation		
CourseOutcome 2	**To understand the processes and machines of blowroom line**		
Learning Outcome T0230221	To understand opening and cleaning machines with details	06	10
CONTENT	Functions of blow room, sequence of machines for different types of yarns. Different opening and cleaning machines with their line sketches and working like H,B.B, step cleaning, axi flow opener, Automatic bale opener , auto mixer. Mono cylinder, ERM opener etc		
Method of Assessment	External assessment-Paper pen test		
Learning Outcome T0230222	To understand the various beaters and beating points used in blowroom	08	10
CONTENT	The different types of beaters like porcupine beater, 3 bleded beaters, scutcher with sketches and process details		
Method of Assessment	Internal assessment-Paper pen test		
Learning Outcome T0230223	To draw the diagram of the sequence of machinary for different types of yarns	8	8
CONTENT			

Method of Assessment	Internal assessment- laboratory test- performance of task -observation		
CourseOutcome 3	**To understand the regulating motions, safety controls installed in blowroom**		
Learning Outcome T0230231	To understand the various material feed regulationg machines used in blowroom.	6	10
CONTENT	Feed regulating motions like photo cell, piono regulating motion, gravity trap, magnets, and process controls at various points of blowroom		
Method of Assessment	External assessment-Paper pen test		
Learning Outcome T0230232	To understand the maintainance schedule and safety measures in blowroom	8	10
CONTENT	Maintance schedule, Setting points, Defects in blow room and remedies and various safety measures used in blow room, waste and waste controls		
Method of Assessment	Internal assessment-Paper pen test/quiz/survey/presentation		
Learning Outcome T0230233	To sketch and explain the working of various safety equipments used in blowroom,	8	6
CONTENT			
Method of Assessment	Internal assessment- laboratory test- performance of task -observation		
CourseOutcome 4	**To understand the details of construction, functions of carding machine.**		
Learning Outcome T0230241	To understand the different organs with their fuctions of carding machine	6	10
CONTENT	Objects of carding, Passage of material with sketches and names of different parts of carding. Design and working of feed zone, Licker in Zone, Cylinder and flats, Doffer , calender rolls and coiler.		
Method of Assessment	External assessment-Paper pen test		
Learning Outcome T0230242	To understand the different concepts and attachments used in carding machine	8	10
CONTENT	Heel and Toe arrangement, brushing, stripping and grinding, India roll and cross rolls, wire points in carding, Tandem card, card waste and its controls, maintance of card, Defects during carding		
Method of Assessment	External assessment-Paper pen test		

Learning Outcome T0230243	To draw the side view of carding ,explain the controls and differentiate the types of carding	8	15
CONTENT			
Method of Assessment	External assessment- laboratory test- performance of task -observation		
CourseOutcome 5	**To learn the calculations related to blowrooom and carding**		
Learning Outcome T0230251	To understand opening and cleaning machines ulations of production, efficiency etc related to blowroom.	6	10
CONTENT	Calculations related to gearings, belt drives, speed, production and efficiency of vaious machines in blow room including waste calculations and drafts and cleaning efficiency of different machines		
Method of Assessment	External assessment-Paper pen test		
Learning Outcome T0230252	To understand the calculations of production, efficiency etc related to blowroom.	8	10
CONTENT	Calculations related to gearings, belt drives, speed, production and efficiency of vaious machines in blow room including waste calculations and drafts and cleaning efficiency of different machines		
Method of Assessment	External assessment-Paper pen test		
Learning Outcome T0230253	Calculate the production efficiency of different equipments	8	15
CONTENT			
Method of Assessment	External assessment- laboratory test- performance of task -observation		

RAJIV GANDHI PROUDYOGIKI VISHVAVIDYALAYA (DIPLOMA WING)

BHOPAL T02 DIPLOMA IN TEXTILE TECHNOLOGY

PART A:- PROCESS OF CURRICULUM DEVELOPMENT

LIST OF IDENTIFIED PROFESSIONAL ROLES

1. To apply knowledge of mathematics, science, and engineering.
2. To design and conduct experiments, as well as to analyze and interpret data.
3. To design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
4. To function on multidisciplinary teams.
5. To identify, formulate, and solve engineering problems.
6. To understand professional and ethical responsibility.
7. To communicate effectively.
8. To understand the impact of engineering solutions in a global, economic, environmental, and societal context.
9. To engage in lifelong learning.
10. To use the techniques, skills, and modern engineering tools necessary for engineering practice.

LOs FORMATION

COURSE NAME: - INTRODUCTORY WEAVING (304)

(Total 100 Hrs. , Total 100 Marks)

List of COs and Los

CO1: To understand the process of cloth manufacturing by weaving processes (20Hrs, 20 marks)

LO1: To understand the sequence of weaving processes with their funtions, (10 Hrs., 10 Marks)

LO2: To understand different types of looms and general detail of power loom (10 Hrs., 10 Marks)

CO2: To understand the types and working of shedding motion in loom. (20Hrs, 20 marks)

LO1: To understand the concept, classifications of shedding motion. (10 Hrs., 10 Marks)

LO2: To understand the process and mechanisms of different types of shedding (10 Hrs., 10 Marks)

CO3: To understand the process and machinery of Picking and Beating up.

(20Hrs, 20 marks)

LO1: To understand the process and mechanism of picking motion. (10 Hrs., 10 Marks)

LO2: To understand the process and mechanism of beating up motion (10 Hrs., 10 Marks)

CO4: To Understand the different auxilary loom motions and handloom.

(20Hrs, 20 marks)

LO1: To understand the different auxilary motions and mechanism (10 Hrs., 10 Marks)

LO2: To understand the different types of handlooms (10 Hrs., 10Marks)

CO5: To understand the differn types of yarn count calculation

(20 Hrs, 20 marks)

LO1: To understand the calculation related to different yarn numbering systems (10 Hrs, 10 Marks)

LO2: To understand the calculation related to loom snd loom shed. (10Hrs,10 Marks)

PART B:- CURRICULUM OF TEXTILE TECHNOLOGY

RGPV (Diploma Wing) Bhopal			COURSE PLAN			Format -2		Sheet No. 1/1			
Course Name		**INTRODUCTORY WEAVING**				Semester		THIRD			
Paper code- 7103	TEXTILE TECHNOLOGY		Course Code/	304	No. of COs	05	No. of LOs	10			
Total Hrs. of Teaching Learning	100	Total Marks	100	Total no. of Assessments	10	Types of Assessments		No. of External Assessments	NIL		

DESCRIPTION OF OUTCOMES			T-L Hrs.	Max. Marks
CO 01		To understand the process of cloth manufacturing by weaving processes	22	
Los	T0230411	To understand the sequence of weaving processes with their funtions	06	10
	T0230412	To understand different types of looms and general detail of power loom	08	10
	T0230413	To draw and explain the sequence of weaving machinery of cloth manufacturing(psychomotor domain)	06	07
CO 02		**To understand the types and working of shedding motion in loom**	22	20
Los	T0230421	To understand the concept, classifications of shedding motion	06	10
	T0230422	To understand the process and mechanisms of different types of shedding	08	10
	T0230423	To draw and explain tappet shedding motion and differentiate various motions(psychomotor domain)	06	07
CO 03		**To understand the process and machinery of Picking and Beating up.**	22	20
Los	T0230431	To understand the process and mechanism of picking motion	06	10
	T0230432	To understand the process and mechanism of beating up motion	08	10
	T0230433	To draw and explain the parameters of beating motion(psychomotor domain)	06	06
CO 04		**To Understand the different auxilary loom motions and handloom.**	22	

Los	T0230441	To understand the different auxilary motions and mechanism	06	10
	T0230442	To understand the different types of handlooms	08	10
	T0230443	To differentiate various motions in the hand loom machines used in fabric weaving(psychomotor domain)	06	15
CO 05		**To understand the different types of yarn count calculation**	22	20
Los	T0230451	To understand the calculation related to different yarn numbering systems	06	10
	TO230452	To understand the calculation related to loom and loomshed.	08	10
	TO230453	To calculate the efficiency of yarn numbering systems(psychomotor domain)	06	15

RGPV (DIPLOMA WING) BHOPAL		OCB CURRICULUM FOR THE COURSE	FORMAT- 3		Sheet No. 1/3
Branch	TEXTILE TECHNOLOGY		Semester	THIRD	
Course Code/Paper Code-7103	304	Course Name	**INTRODUCTORY WEAVING**		
CourseOutcome 1	To understand the process of cloth manufacturing by weaving processes			Teach Hrs	Marks
Learning Outcome T0230411	To understand the sequence of weaving processes with their funtions			06	10
CONTENT	Introduction to preparatory processes and machineries, fuctions of different machines, winding, warping, sizing, drawing in , pirn widing, types of packages , beaming and looming,				
Method of Assessment	Internal -Paper pen test				
Learning Outcome T0230412	To understand different types of looms and general detail of power loom			08	10
CONTENT	Different types of weaving machines, plain loom, parts of machines and types of motions in loom, types of motions, primary motion, secondary motion, auxillary motion.				

Method of Assessment	External -Paper pen test		
Learning Outcome T0230413	To draw and explain the sequence of weaving machinery of cloth manufacturing	6	07
CONTENT	Demonstration of machinery		
Method of Assessment	Internal – lab assessment		
CourseOutcome 2	**To understand the types and working of shedding motion in loom**		
Learning Outcome T0230421	To understand the concept, classifications of shedding motion	06	10
CONTENT	Concept of shedding, Different types of shedding motions – bottom closed shed, centre closed shed, open shed, semi open shed		
Method of Assessment	External -Paper pen test		
Learning Outcome T0230422	To understand the process and mechanisms of different types of shedding	06	10
CONTENT	Different types of shedding otions, fuctions and sketch of tappet shedding, types of tappets, Dwell period of tappet		
Method of Assessment	Internal -Paper pen test		
Learning Outcome T0230423	To draw and explain tappet shedding motion and differentiate various motions	06	07
CONTENT	**Demonstration of machinery**		
Method of Assessment	Internal – lab assessment		
CourseOutcome 3	**To understand the process and machinery of Picking and Beating up.**		
Learning Outcome T0230431	To understand the process and mechanism of picking motion	6	10
CONTENT	Introduction to picking motion, Types of picking motions, Under picking, Parallel picking motion, introduction of new picking methods		
Method of Assessment	Internal -Paper pen test		
Learning Outcome T0230432	To understand the process and mechanism of beating up motion	8	10

CONTENT	Functions of beating motion, various parts of beating motion, Eccentricity of sley motion, Loom timings, Fuctions of warp and weft control, seven wheel take up otion, Negative let off motion		
Method of Assessment	External -Paper pen test		
Learning Outcome T0230433	To draw and explain the parameters of beating motion	6	6
CONTENT	Demonstration of machinery		
Method of Assessment	Internal – lab assessment		
CourseOutcome 4	**To Understand the different auxilary loom motions and handloom.**		
Learning Outcome T0230441	To understand the different auxilary motions and mechanism	6	10
CONTENT	Cocept of auxilary motion,Loose reed motion, weft stop motion, Temple unit, Back rest motion, Brake motion		
Method of Assessment	External -Paper pen test		
Learning Outcome T0230442	To understand the different types of handlooms	8	10
CONTENT	Types of handlooms, various motions of handloom, methods of tieing the healds, Different qualities of cloth woven on handlooms		
Method of Assessment	External -Paper pen test		
Learning Outcome T0230443	To differentiate various motions in the hand loom machines used in fabric weaving	6	15
CONTENT	Demonstration of machinery		
Method of Assessment	External – laboratory assessment		
CourseOutcome 5	**To understand the different types of yarn count calculation**		
Learning Outcome T0230451	To understand the calculation related to different yarn numbering systems	06	10

CONTENT	Different yarn numbering systems indirict yarn numbering system, english count system, french cotton system, worsted system, linen system woolen yorkshire system Direct system denier system, tex system, conversion of one system to another system, average count , folded yarn count		
Method of Assessment	External-Paper pen test		
Learning Outcome T0230452	To understand the calculation related to loom and loomshed.	08	10
CONTENT	Calculations related to production, efficiencey, average rpm and average reed space of loom and loom shed.		
Method of Assessment	External -Paper pen test		
Learning Outcome T0230453	To calculate the efficiency of yarn numbering systems	6	15
CONTENT	Demonstration of machinery		
Method of Assessment	External – laboratory assessment		

LOs FORMATION

COURSE NAME: - TEXTILE FIBRES (303)

(Total 100 Hrs. , Total 100 Marks)

List of COs and Los

CO1: To understand the fibre, fibre classification and the fibre science.(20Hrs, 20 marks)

LO1: To understand the fibre, essential properties and its classification. (10 Hrs., 10 Marks)

LO2: To understand the theories of fiber structure and methods of spinning. (10 Hrs., 10 Marks)

CO2: To understand the production, structure, properties of Natural fibres(20Hrs, 20 marks)

LO1: To study the vegetable fibres li To understand the theories of fiber structure and methods of spinning ke cotton, Jute and Linen(10 Hrs., 10 Marks)

LO2: To understand the animal and mineral fibres like silk, wool, asbestos.(10 Hrs., 10 Marks)

CO3: To understand the production, structure, properties of regenerated fibres

(20Hrs, 20 marks)

LO1: To understand the structure, production, properties and end uses of viscose rayon.(10 Hrs., 10 Marks)

LO2: To understand the details of fibres like Polynosic,modal and Tensel(10 Hrs., 10 Marks)

CO4: To understand the production, structure, properties of synthetic fibres

20Hrs, 20 marks)

LO1: To understand the structure, production, properties and end uses of polyester (10 Hrs., 10 Marks)

LO2: To understand the details of Nylon 6 and Nylon 66, (10 Hrs., 10Marks)

CO5: To study the details of acrylic fibres and the process of texturizing .

(20 Hrs, 20 marks)

LO1: To understand the structure, production, properties and end uses of acrylic

(10 Hrs, 10 Marks)

LO2: To understand the concept and process of texturizing and drawing.

(10Hrs,10 Marks)

CURRICULUM OF TEXTILE TECHNOLOGY

To understand the fibre, essential properties and its classification.

RGPV (Diploma Wing) Bhopal			COURSE PLAN To understand the structure, production, properties and end uses of viscose rayon		Format -2		Sheet No. 1/1
Course Name	**TEXTILE FIBRES**				Semester	THIRD	
Branch	TEXTILE TECHNOLOGY	Course Code Paper Code	303 7102	No. of COs	05	No. of LOsTo understand the structure, production, properties and end uses of viscose rayon.	10
Total Hrs. of Teaching Learning	100	Total Marks	100	Total no. of Assessments	10	Types of Assessments		No. of External Assessments	NIL

		DESCRIPTION OF OUTCOMES	T-L Hrs.	Max. Marks
CO 01		To understand the fibre, fibre classification and the fibre science	20	20
Los	T0230311	To understand the fibre, essential properties and its classification.	10	10
	T0230312	To understand the theories of fiber structure and methods of spinningTo understand the structure, production, properties and end uses of acrylic	10	10
CO 02		**To understand the production, structure, properties of Natural fibres**	20	20
Los	T0230321	To study the vegetable fibres like cotton, Jute and Linen	10	10
	T0230322	To understand the animal and mineral fibres like silk, wool, asbestos.	10	10
CO 03		**To understand the production, structure, properties of regenerated fibres**	20	20
Los	T0230331	To understand the structure, production, properties and end uses of viscose rayon	10	10
	T0230332	To understand the details of fibres like Polynosic,modal and Tensel	10	10

CO 04		**To understand the production, structure, properties of synthetic fibres**	20	20
Los	T0230441	To understand the structure, production, properties and end uses of polyester	10	10
	T0230442	To understand the details of Nylon 6 and Nylon 66,	10	10
CO 05		**To study the details of acrylic fibres and the process of texturizing .**	20	20
Los	T0230451	To understand the structure, production, properties and end uses of acrylic	10	10
	TO230452	To understand the concept and process of texturizing and drawing.	10	10

RGPV (DIPLOMA WING) BHOPAL		OCB CURRICULUM FOR THE COURSE	FORMAT- 3	Sheet No. 1/3
Branch	TEXTILE TECHNOLOGY	Semester	THIRD	
Course Code/Paper Code	303/7102	Course Name	**TEXTILE FIBRES**	
CourseOutcome 1	**To understand the fibre, fibre classification and the fibre science**		Teach Hrs	Marks
Learning Outcome T0230311	To understand the fibre, essential properties and its classification.		10	10
CONTENT	Textile fibre, essential and desireable properties of textile fibre, classification of textile fibres like natural fibres and man made fibres. Sequence of processes for converting fibre into fabric			
Method of Assessment	Internal-Paper pen test			
Learning Outcome T0230312	To understand the theories of fiber structure and methods of spinning		10	10
CONTENT	The theories of fine structure of fibres, different terms like- polymer, polymerization, degree of polymerization, amorphous region, crystalline region. Different types of fibre spinning processes like melt spinning, wet spinning and dry spinning			
Method of Assessment	External-Paper pen test			

CourseOutcome 2	**To understand the production, structure, properties of Natural fibres**		
Learning Outcome T0230321	To study the vegetable fibres like cotton, Jute and Linen	10	10
CONTENT	Growth, structure, properties (physical and chemical) and end uses of cotton fibre. Study of Jute fibre and Linen fibre		
Method of Assessment	Internal-Paper pen test		
Learning Outcome T0230322	To understand the animal and mineral fibres like silk, wool, asbestos	10	10
CONTENT	Growth, classification,structure, properties (physical and chemical) and end uses of wool and silk fibre. Life cycle of silk worm.		
Method of Assessment	External-Paper pen test		
CourseOutcome 3	**To understand the production, structure, properties of regenerated fibres**		
Learning Outcome T0230331	To understand the structure, production, properties and end uses of viscose rayon.	10	10
CONTENT	Process of manufacturing of viscose fibre, physical and chemical properties and end uses of viscose fibre.		
Method of Assessment	Internal-Paper pen test		
Learning Outcome T0230332	To understand the details of fibres like Polynosic,modal and Tensel	10	10
CONTENT	Process of manufacturing of viscose fibre, physical and chemical properties and end uses of Polynosic,Modal and Tensel fibre.		
Method of Assessment	External-Paper pen test		
CourseOutcome 4	**To understand the production, structure, properties of synthetic fibres**		
Learning Outcome T0230341	To understand the structure, production, properties and end uses of polyester	10	10
CONTENT	Raw materials, structure, Process of manufacturing of viscose fibre, physical and chemical properties and end uses of polyester fibre.		

Method of Assessment	External-Paper pen test		
Learning Outcome T0230342	To understand the details of Nylon 6 and Nylon 66,	10	10
CONTENT	Raw materials, structure, Process of manufacturing of viscose fibre, physical and chemical properties and end uses of Nylon and Nylon 66 fibre.		
Method of Assessment	External -Paper pen test		
CourseOutcome 5	**To study the details of acrylic fibres and the process of texturizing .**		
Learning Outcome T0230351	To understand the structure, production, properties and end uses of acrylic	10	10
CONTENT	aw materials, structure, Process of manufacturing of viscose fibre, physical and chemical properties and end uses of acrylic fibres		
Method of Assessment	External -Paper pen test		
Learning Outcome T0230352	To understand the concept and process of texturizing and drawing	10	10
CONTENT	Various method of texturising synthetic fibres- false twist texturising etc. Process of draw twisting with line sketches.		
Method of Assessment	External-Paper pen test		

RGPV (DIPLOMA WING) BHOPAL	OBE CURRICULUM FOR THE COURSE	FORMAT-3	Sheet No. 1/3

Branch	ALL BRANCHES	Semester	III

Course Code	305	Course Name	PROFESSIONAL DEVELOPMENT-III

Course Outcome 1	**Student will be able to perform as the team leader of small team for solving a team problem in the given situation**	Teach Hrs	Marks
Learning Outcome E0130511	Student will be able to demonstrate his/her understanding of leadership required in a team work performance	10	10
Contents	Team leaders, importance of team leader, role of team leaders, important qualities of good team leaders, behaviors of good team leaders		
Method of Assessment	Paper pen test		
Learning Outcome E0130512	Student will be able to play role of the leader of a team for solving a team problem in the given situation	10	15
Contents	Team leaders, importance of team leader, role of team leaders, important qualities of good team leaders, behaviors of good team leaders		
Method of Assessment	Student's role play		
Course Outcome 2	**Student will be able to apply professional ethics in a given problem situation**		
Learning Outcome E0130521	Student will be able to **demonstrate** his/her understanding of professional ethics	10	10
Contents	Professional ethics, its need and importance, seven ethics common to all professionals, general code of ethics for engineers, ethical issues for engineers, common problems related to professional ethics, ethical issues, identification of ethical issues in cases for engineers.		

Method of Assessment	Paper pen test		
Learning Outcome E0130522	Student will be able to **apply** appropriate professional ethics in a given problem situation	10	10
Contents	Procedure of solving the problems related professional ethics, Identification of ethical issue, identification of the ethical stand, searching various possible solutions for the problem keeping ethical stand in focus, selection of appropriate solution.		
Method of Assessment	Paper pen test		
Course Outcome 3	**Student will be able to plan self-learning to complete the given task**	Teach Hrs	Marks
Learning Outcome E0130531	Student will be able to identify the self-learning needs for completing the given task	10	10
Contents	Lifelong learning, its examples, self-directed learning, its examples, important steps in lifelong learning, identification of learning needs		
Method of Assessment	Assessment through student activity		
Learning Outcome E0130532	Student will be able to plan self directed learning for completing the given task	10	10
Contents	Need for planning, need for planning self directed learning, planning self directed learning, self directed learning plan, examples.		
Method of Assessment	Assessment through student activity		

RGPV (Diploma Wing) Bhopal	SCHEME FOR LEARNING OUTCOME	Branch Code			Course Code			CO Code	LO Code	Format No. 4
		E	0	1	3	0	5	1	1	

COURSE NAME	**Professional Development-III**
CO Description	**Student will be able to perform as the team leader of small team for solving a team problem in the given situation**
LO Description	**Student will be able to demonstrate his/her understanding of leadership required in a team work performance**

SCHEME OF STUDY

S. No.	Learning Content	Teaching-Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks
1.	Team leaders, importance of team leader, role of team leaders, important qualities of good team leaders, behaviors of good team leaders	Traditional lecture method + Case Study	Teacher will explain about the contents along-with examples/cases, will give assignment for practice, will conduct tutorials and remedial.	05	05	Handout, video film*	*Teacher will suggest a suitable online video to be viewed by students

SCHEME OF ASSESSMENT

S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal
1	Paper pen test	A test will be designed and administered by the teacher to assess the understanding of student. Assessment will be done through Rating Scale.	10	Test paper and Rating Scale	Internal

ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

Important qualities of team leader:-
will be able to

1. to take initiatives
2. take responsibility on behalf of group
3. to visualize the team event and plan things for the event
4. to take interest to carry out related activities

5. to take interest in solving team related problems

The test questions :-

1. Explain the importance of team leadership
2. Explain important qualities of good team-leaders
3. Identify the team leader's behavior in the following list of team persons' behavior
4. Identify the team leader in the following case of team event
5. Suggest the team leader's would be course of action in the following team problem situation

Performance indicators

1. Quality of response the Q. 1
2. Quality of response to Q. 2
3. Number of correct behaviors identified in Q. 3(Max. 3 correct behaviors out of 10)
4. Correct team leader identified or not, in Q. 4
5. Correct team leader course of action suggested or not, in Q. 5

RGPV (Diploma Wing) Bhopal	SCHEME FOR LEARNING OUTCOME	Branch Code			Course Code			CO Code	LO Code	Format No. 4
		E	0	1	3	0	5	1	2	

COURSE NAME	**Professional Development-III**
CO Description	**Student will be able to perform as the leader of small team for solving a team problem in the given situation**
LO Description	**Student will be able to play role of the leader of a team for solving a team problem in the given situation**

SCHEME OF STUDY

S. No.	Learning Content	Teaching-Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks
1	Team leaders, importance of team leader, role of team leaders, important qualities of good team leaders, behaviors of good team leaders	Case Study method	Teacher will organize a students' team event in class/ department. Few students will be asked to play roles of team members and the leader to solve team problems under given situation. Other students will observe. Afterward, teacher will discussion with students. Teacher will organize similar events for practice.	02	08	video film*	*Teacher will suggest a suitable online video to be viewed by students

SCHEME OF ASSESSMENT

S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal
1	Student's role play	The teacher will organize small team events in batches in which individual students will be asked to play role of leader to solve a team problem, under given situation. Teacher will observe and assess the extent of leader's behavior performed by students on the basis of performance indicators	15	Rating Scale	Internal

ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

The assessment will be done on basis of following performance indicators:-

1. Extent to which student take initiatives
2. Extent to which student take responsibility on behalf of group
3. Extent to which student visualize the team event and plan things for the event
4. Extent to which student take interest to carryout team related activities

5. Extent to which student take interest in solving team related problems

RGPV (Diploma Wing) Bhopal	SCHEME FOR LEARNING OUTCOME	Branch Code			Course Code			CO Code	LO Code	Format No. **4**
		E	0	1	3	0	5	2	1	

COURSE NAME	**Professional Development-III**
CO Description	**Student will be able to apply professional ethics in a given problem situation**
LO Description	Student will be able to **demonstrate** his/her understanding of professional ethics

SCHEME OF STUDY

S. No.	Learning Content	Teaching – Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks
1	Professional ethics, its need and importance, seven ethics common to all professionals, general code of ethics for engineers, ethical issues for engineers, common problems related to professional ethics, ethical issues, identification of ethical issues in cases for engineers.	Traditional lecture method + Case Study	Teacher will explain about the contents along-with examples/cases, will give assignment for practice, will conduct tutorials and remedial.	05	05	Handout, video film*	*Teacher will suggest a suitable online video to be viewed by students

SCHEME OF ASSESSMENT

S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal
1	Paper pen test	A test will be designed and administered by the teacher to assess the understanding of student. Assessment will be done through Rating Scale.	10	Test paper and Rating Scale	Internal

ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

1. **Ethics common to all professions**

- honesty
- trustworthiness
- loyalty
- respect for others
- adherence to the law
- doing good and avoiding harm to others
- Accountability.

2. **General code of ethics for engineers:-**

1. Respect for People’s Dignity and Rights
2. Responsible Practice
3. Integrity in Relationships
4. Responsibility

3. Common Ethical issues for engineers:-

- Relationships with clients, consultants, competitors, and contractors
- Ensuring legal compliance by clients, client's contractors, and others
- Conflict of interest
- Bribery and kickbacks, which might include:

  Gifts, meals, services, entertainment and recreation opportunities
- Treatment of confidential or proprietary information

- Consideration of the employer's assets
- Outside employment/activities

Test Performance Indicators:-

Extent to which student will be able

1. To explain the professional ethics (2 marks)
2. To explain the need and importance of professional ethics (2 marks)
3. To explain seven ethics common to all professions (2 marks)
4. To identify the problem related to professional ethics in given list of problems (2 marks)
5. To identify the ethical issue for an engineer in a given case of professional ethics (2 marks)

RGPV (Diploma Wing) Bhopal	SCHEME FOR LEARNING OUTCOME	Branch Code			Course Code			CO Code	LO Code	Format No. 4
		E	0	1	3	0	5	2	2	

COURSE NAME	**Professional Development-III**
CO Description	**Student will be able to apply professional ethics in a given problem situation**
LO Description	Student will be able to **apply** appropriate professional ethics in a given problem situation

SCHEME OF STUDY

S. No.	Learning Content	Teaching – Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks
1	Procedure of solving the problems related professional ethics, Identification of ethical issue, identification of the ethical stand, searching various possible solutions for the problem keeping ethical stand in focus, selection of appropriate solution.	Traditional lecture method + Case Study	Teacher will explain about the contents along-with examples/cases, will give assignment for practice, will conduct tutorials and remedial.	05	05	Handout, video film*	*Teacher will suggest a suitable online video to be viewed by students

SCHEME OF ASSESSMENT

S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal
1	Paper pen test	A case based test on problem of ethical issue for an engineer will be designed and administered by the teacher to assess the ability of students to solve the ethical problem; Assessment will be done through Rating Scale.	10	Test paper and Rating Scale	Internal

ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

Steps in solving ethical problems:-

1. Identify the ethical issue in the problem
2. Identify the ethical stand in the problem
3. Search for various possible solutions keeping focus on the ethical stand
4. Implement the best possible solution

Performance indicators:-

1. Correctness of identified ethical issue in the problem (3 marks)
2. Correctness of identified ethical stand (3 marks)
3. Quality of suggested possible solutions (2 marks)
4. Appropriateness of selected best possible solution (2 marks)

RGPV (Diploma Wing) Bhopal	SCHEME FOR LEARNING OUTCOME	Branch Code			Course Code			CO Code	LO Code	Format No. 4
		E	0	1	3	0	5	3	1	

COURSE NAME	**Professional Development-III**
CO Description	**Student will be able to plan self-learning to complete the given task**
LO Description	**Student will be able to identify the self-learning needs for completing the given task**

SCHEME OF STUDY

S. No.	Learning Content	Teaching-Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks
1.	Lifelong learning, its examples, self-directed learning, its examples, important steps in lifelong learning, identification of learning needs	Traditional lecture method + Case Study	Teacher will explain about the contents along-with examples/cases, will give assignment for practice, will conduct tutorials and remedial.	05	05	Handout, video film*	*Teacher will suggest a suitable online video to be viewed by students

SCHEME OF ASSESSMENT

S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal
1	Assessment through student activity	A Self-assessment portfolio will be prepared by the student on the task assigned by the teacher. Assessment of portfolio will be done through Rating Scale.	10	Portfolio format and Rating Scale	Internal

ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

1. Lifelong learning

All **learning** activities undertaken throughout life, with the aim of improving knowledge, skills and competences within a personal, civic, social and/or employment-related perspective. It is voluntary, self-initiated and self-directed learning.

Examples:-

1. We learn to use smart phones (informal learning)
2. We learn yoga by joining a one week yoga training programme organized by a private spiritual institute (formal learning).

2. Self directed learning

A process in which individuals take the initiative, with or without the help of others, in diagnosing their learning needs, formulating learning goals, identifying human and material resources for learning, choosing and implementing appropriate learning strategies, and evaluating learning outcomes.

3. Essential steps of lifelong learning

1. Identification of self learning need (what to learn)
2. Searching about how I can learn, search of learning resources and ways/means to use them for learning
3. Planning self-learning
4. Implementing the plan

4. Suggested list of tasks for practice of identification of learning needs

1. You have to repair your faulty house-hold electric iron
2. You have to daily operate the new washing machine purchased at your home
3. You have to format your PC
4. You have to attend online class using meet.google app
5. You have to share your ideas online with your distant friends. You have to arrange a webinar
6. You have to visit abroad and therefore you have to apply for passport
7. Your mother is a patient of high BP. You have to measure her BP daily two times at home with traditional BP measuring apparatus
8. Your bike is not getting started. You have to check its spark plug.
9. You have to complete bank paper formalities for bank loan to establish your small manufacturing unit
10. You have to prepare French-fries at home.

5. Self-assessment portfolio

A questionnaire in which questions are in first person and space is provided after each question to write the answer. It is prepared by the student.

6. Self-assessment portfolio questions:-

1. Can I complete this task ?
2. Is there special knowledge or skill required to complete the task ?

3. What knowledge or skill is required to complete this task ?
4. Do I have this knowledge or skill ?
5. From where I can learn this knowledge or skill. (Mention at least three sources. Sources may be people, institutions, books, websites?)
6. How I can manage to learn this knowledge or skill?
7. **Indicators of performance**

1. Able to identified that he/she can-not complete the given task due to lack of knowledge or skill
2. Able to identified the need for special knowledge or skill to complete the task
3. Correctness of identified knowledge or skill required to complete the task
4. Appropriateness of sources from which student can learn knowledge or skill
5. Extent of feasibility of student's way to acquire the required knowledge or skill

RGPV (Diploma Wing) Bhopal	SCHEME FOR LEARNING OUTCOME	Branch Code			Course Code			CO Code	LO Code	Format No. 4
		E	0	1	3	0	5	3	2	

COURSE NAME	**Professional Development-III**
CO Description	**Student will be able to plan self directed learning to complete the given task**
LO Description	**Student will be able to plan self directed learning for completing the given task**

SCHEME OF STUDY

S. No.	Learning Content	Teaching-Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks
1.	Need for planning, need for planning self directed learning, planning self directed learning, self directed learning plan, examples.	Traditional lecture method + Case Study	Teacher will explain about the contents along-with examples/cases, will give assignment of preparing self-directed learning plan for practice, will conduct tutorials and remedial.	05	05	Handout, video film*	*Teacher will suggest a suitable online video to be viewed by students

SCHEME OF ASSESSMENT

S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal
1	Assessment through student activity	A self directed learning plan will be prepared by the student on the task assigned by the teacher. Assessment of the plan will be done through Rating Scale.	10	Plan format and Rating Scale	Internal

ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

1. Self directed learning

A process in which individuals take the initiative, with or without the help of others, in diagnosing their learning needs, formulating learning goals, identifying human and material resources for learning, choosing and implementing appropriate learning strategies, and evaluating learning outcomes.

3. Essential steps of lifelong learning

5. Identification of self learning need (what to learn)

6. Searching about how I can learn, search of learning resources and ways/means to use them for learning
7. Planning self directed learning
8. Implementing the plan

4. Contents of the plan

1. Description of knowledge or skill to be self-learned
2. Description of selected source of learning the knowledge or skill ie people, books, institutions, websites etc.
3. Description of method of self-directed learning viz formal learning or informal learning
4. Description of additional resources / learning resources required
5. Expected time required to learn along with justification

5. Indicators of performance

1. Quality of description of knowledge or skill to be self-learned (3 marks)
2. Appropriateness of selected source of knowledge or skill learning (3 marks)
3. Appropriateness of method of self-learning (1 mark)
4. Appropriateness of additional resources / learning resources required (1 mark)
5. Appropriateness of time required to learn (1 mark)