



**Department Of Printing Technology**  
**Guru Jambheshwar University Of Science & Technology, Hisar – 125001**  
 Scheme of B. Tech. – Packaging Technology, w.e.f. Session 2018-19

**B. Tech. (Printing Technology) III- Semester**

Sr. No.	Category	Course Code		Course Title	Hours per week			Course Credits		
		Theory	Practical		L	T	P	Theory	Practical	Total
1.	Basic Science Courses	BSC-PTG201-T	--	Applied Sciences for Printing	3	0	0	3.0	--	3.0
2.	Engineering Science Courses	ESC-PTG201-T	--	Engineering Science for Packaging	3	0	0	3.0	--	3.0
3.	Professional Core Courses	PCC-PTG201-T	PCC- PTG201-P	Pre-Press Technology	3	0	3	3.0	1.5	4.5
4.	Professional Core Courses	PCC- PTG203-T	PCC- PTG203-P	Introduction to Printing Processes	3	0	3	3.0	1.5	4.5
5.	Professional Core Courses	PCC- PTG205-T	PCC- PTG205-P	Graphic Design in Printing	3	0	3	3.0	1.5	4.5
6.	Professional Core Courses	PCC- PTG207-T	--	Content Management in Printing	3	0	0	3.0	--	3.0
7.	Mandatory Courses	MC103-T	--	Indian Constitution	3	0	0	0.0	--	0.0
					21	0	9			
Total Credits									22.5	



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**B. Tech. (Printing Technology) IV- Semester**

Sr. No.	Category	Course Code		Course Title	Hours per week			Course Credits		
		Theory	Practical		L	T	P	Theory	Practical	Total
1.	Basic Science Courses	BSC-PTG202-T	-----	Applied Science for Packaging Materials	3	0	0	3.0	00	3.0
2.	Professional Core Courses	PCC- PTG202-T	PCC- PTG202-P	Technology of Flexography	3	0	3	3.0	1.5	4.5
3	Professional Core Courses	PCC- PTG204-T	PCC- PTG204-P	Methodology of Composition in Printing	3	0	3	3.0	1.5	4.5
4	Professional Core Courses	PCC- PTG206-T	PCC- PTG206-P	Techniques of Printing Image Generation	3	0	3	3.0	1.5	4.5
5.	Mandatory Courses	MC-104-T	--	Essence of Indian Traditional Knowledge	3	0	0	0.0	--	0.0
					15	0	09			
<b>Total Credits</b>										16.5

*Note- At the end of the IV-semester each student would undergo 4-6 weeks practical training in an industry/research laboratory.*



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**B. Tech. (Printing Technology) V- Semester**

Sr. No.	Category	Course Code		Course Title	Hours per week			Course Credits		
		Theory	Practical		L	T	P	Theory	Practical	Total
1.	Open Elective Courses	OEC-I	-----	Open Elective Course-I	3	0	0	3.0	--	3.0
2.	Humanities, Social Sciences and Management Courses	HSMC302-T	-----	Fundamental of Management for Engineers	2	0	0	2.0	--	2.0
3.	Professional Core Courses	PCC- PTG301-T	PCC- PTG301-P	Sheet-fed Offset Technology	3	0	3	3.0	1.5	4.5
4.	Professional Core Courses	PCC- PTG303-T	PCC- PTG303-P	Colour Analysis & Reproduction Technology	3	0	3	3.0	1.5	4.5
5.	Professional Core Courses	PCC- PTG305-T	PCC- PTG305-P	Technology of Gravure	3	0	3	3.0	1.5	4.5
6.	Project Work	--	PROJ- PTG301-P	Industrial Training Presentation-I	0	0	2	--	1.0	1.0
7.	Mandatory Courses		MC-PTG301-P	Technical Presentation/Seminar	0	0	2	0.0	--	0.0
					14	0	13			
<b>Total Credits</b>										19.5



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**B. Tech. (Printing Technology) VI- Semester**

Sr. No.	Category	Course Code		Course Title	Hours per week			Course Credits		
		Theory	Practical		L	T	P	Theory	Practical	Total
1.	Open Elective Courses	OEC-2	-----	Open Elective Course-II	3	0	0	3.0	--	3.0
2.	Program Elective Courses	PEC-1	-----	Program Elective Course-I	3	0	0	3.0	--	3.0
3.	Humanities, Social Sciences and Management Courses	HSMC301-T	-----	Economics for Engineers	2	0	0	2.0	--	2.0
4.	Professional Core Courses	PCC- PTG302-T	PCC- PTG302-P	Paper Technology	3	1	3	4.0	0	5.5
5.	Professional Core Courses	PCC- PTG304-T	PCC- PTG304-P	Print Finishing	3	0	3	3.0	1.5	4.5
6.	Professional Core Courses	PCC- PTG306-T	PCC- PTG306-P	Printing Ink Technology	3	0	3	3.0	1.5	4.5
					17	01	09			
<b>Total Credits</b>										22.5

**Note- At the end of the VI-semester each student would undergo 4-6 weeks practical training in an industry/research laboratory.**

Program Elective Course –I (PEC-1)	
Course Code	Course Name
PEC-PTG151-T	Newspaper & Multimedia
PEC- PTG152-T	Substrates for Printing
PEC- PTG153-T	Printing Organizations & Plant Layout
PEC- PTG154-T	Introduction to Packaging

PEC- PTG155-T	Printed Electronics
Any one MOOC course not studied earlier ( or to be studied as per scheme)	



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**B. Tech. (Printing Technology) VII- Semester**

Sr. No.	Category	Course Code		Course Title	Hours per week			Course Credits		
		Theory	Practical		L	T	P	Theory	Practical	Total
1.	Open Elective Courses	OEC-3	--	Open Elective Course-III	3	0	0	3.0	--	3.0
2.	Program Elective Courses	PEC-2	--	Program Elective Course -II	3	0	0	3.0	--	3.0
3	Program Elective Courses	PEC-3	--	Program Elective Course-III	3	0	0	3.0	--	3.0
4.	Professional Core Courses	PCC-PTG401-T	PCC-PTG401-P	Quality Control in Printing	3	0	3	3.0	1.5	4.5
5.	Project Work	--	PROJ-PTG403-P	Project-I	0	0	4	--	2.0	2.0
6.	Project Work	--	PROJ-PTG401-P	Printing Industry Awareness Project	0	0	4	--	2.0	2.0
7.	Project Work	--	PROJ-PTG403-P	Industrial Training Presentation-II	0	0	2	--	1.0	1.0
8.	Mandatory Courses	--	MC-PTG401-P	General Proficiency	0	0	2	--	0.0	0.0
					12	0	15			
<b>Total Credits</b>									18.5	

Program Elective Course-II		Program Elective Course-III	
Course Code	Course Name	Course Code	Course Name
PEC-PTG251-T	Book Publishing	PEC-PTG351-T	Security Printing
PEC-PTG252-T	Print Entrepreneurship	PEC-PTG352-T	E-Publishing
PEC-PTG253-T	Management for Printing Organizations	PEC-PTG353-T	Print Wastage Management
PEC-PTG254-T	Computer Graphics in Printing	PEC-PTG354-T	Advancements in Printing
Any one MOOC course not studied earlier ( or to be studied as per scheme)			



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**B. Tech. (Printing Technology) VIII- Semester**

Sr. No.	Category	Course Code		Course Title	Hours per week			Course Credits		
		Theory	Practical		L	T	P	Theory	Practical	Total
1.	Program Elective Courses	PEC-IV	--	Program Elective Course -IV	3	0	0	3.0	--	3.0
2.	Program Elective Courses	PEC-V	--	Program Elective Course-V	3	0	2	3.0	1.0	4.0
3.	Professional Core Courses	PCC-PTG402-T	--	Costing & Estimation in Printing	3	1	0	4.0	0	5.0
4.	Professional Core Courses	PCC-PTG404-T	PCC-PTG404-P	Screen Printing	3	0	3	3.0	1.5	4.5
5.	Project Work, Seminar and Internship in Industry	--	PROJ-PTG402-P	Project-II	0	0	8	--	4.0	4.0
6.	Project Work, Seminar and Internship in Industry	--	PROJ-PTG404-P	Seminar	0	0	4	--	2.0	2.0
					12	01	17			
<b>Total Credits</b>										22.5

Program Elective Course -IV		Program Elective Course -V	
Course Code	Course Name	Course Code	Course Name
PEC-PTG451-T	Speciality Printing	PEC-PTG551-T	Web Offset Printing
PEC-PTG452-T	Green Printing	PEC-PTG552-T	Packaging Technology
PEC-PTG453-T	3D Printing	PEC-PTG553-T	Digital Printing
PEC-PTG-454-T	Patents & IPR	PEC-PTG554-T	Colour Management
Any one MOOC course not studied earlier ( or to be studied as per scheme)		Any one MOOC course not studied earlier ( or to be studied as per scheme)	

