

**Electronics and telecommunication engineering (EXTC)**  
**Equivalent subjects of R-2007 to Rev-2012**  
**(Effective from A .Y. 2017-18(i.e. Nov – 2017))**

<b>SEM</b>	<b>SR. NO</b>	<b>SUBJECTS OF R-2007</b>	<b>EQUIVALENT SUBJECT OF REV-2012</b>	<b>EQUIVALENT SEM.</b>
SEM –III	01	Applied Mathematics - III	Applied Mathematics -III	SEM - 3
	02	Digital Logic Design	Digital Electronics	SEM - 3
	03	Electronic Devices And Circuits	Analog Electronics – I	SEM - 3
	04	Electrical Networks	Circuits And Transmission Line	SEM - 3
	05	Electronic Instrumentation	Electronic Instrument & Measurement	SEM - 3
	06	Presentation And Communication Technology	Business Communication And Ethic	SEM - 5
SEM –IV	01	Applied Mathematics – IV	Applied Mathematics -IV	SEM - 4
	02	Analog And Digital IC Design & Applications	Integrated Circuits	SEM- 5
	03	Principle Of Communication Engg.	Analog Communication	SEM- 5
	04	Electronics Devices And Circuits - II	Analog Electronics – II	SEM -4
	05	Electromagnetic Wave Theory	Wave Theory And Propagation	SEM -4
	06	Simulation Software Workshop	Simulation Software Lab	SEM- 4 (PRACTICAL)
SEM –V	01	Random Signal Analysis	Random Signal Analysis	SEM –5
	02	Microprocessors And Microcontroller	Microprocessors And Peripherals	SEM –4
	03	RF Circuit Design	RF Modeling & Antennas	SEM –5
	04	Signals And Systems	Signals And Systems	SEM –4
	05	Principle Of Control Systems	Control Systems	SEM –4
	06	Electronics Hardware Workshop	Mini Project-1	SEM –5
	07	Environmental Studies (50 Marks)		
SEM-VI	01	Microprocessors And Microcontroller- II	Microcontroller And Applications	SEM –5
	02	Antenna And Wave Propagation	RF Modeling And Antennas	SEM-5
	03	Industrial Economic And Telecom Regulating	Telecom Network & Management	ELECTIVE (SEM- 8)
	04	Digital Communication	Digital Communication	SEM-6
	05	TV And Video Engineering	Television Engineering	SEM-6
	06	Elective	1) Acoustics	Speech Processing

			Engineering	( Alternate Subject)	ELECTIVE
		Elective	2)Micro Electronics	Analog & Mixed Signal – VLSI	SEM – 7 ELECTIVE
		Elective	3)Radar Engineering	Microwave & Radar Engineering	SEM -7
		Elective	4)Digital Telephony	Digital Communication	SEM – 6
		Elective	5)Neural Networks And Fuzzy Logic	Neutral Network And Fuzzy Logic	ELECTIVE SEM – 7
SEM – VII	01	Mobile communication		Mobile communication	SEM – 7
	02	Fundamentals of microwave engineering		Microwave and radar engineering	SEM – 7
	03	Computer communication network		Computer Communication and Telecom Networks	SEM – 6
	04	Discrete time signal processing		Discrete Time Signal Processing	SEM – 6
	05	Elective	Data Compressing And Encryption	Data Compressing And Encryption	SEM – 7 (ELECTIVE)
		Elective	Introduction to VLSI	Analogue &Mixed Signal - VLSI	SEM – 7 (ELECTIVE)
		Elective	Speech Processing	Speech Processing	SEM –8 (ELECTIVE)
		Elective	Electronic Product Design	Telecom Network & Management (Alternate subject)	SEM –8 (ELECTIVE)
SEM – VIII					
	1.	Advance Microwave Engg.		Microwave Integrated Circuit	SEM –8 (ELECTIVE)
	2	Optical Fiber Communication		Optical Communication & Networking	SEM –7
	3	Wireless Network		Wireless Network	SEM –8
	4	Elective			
		1) Image Processing		Image And Video Processing	SEM-7
		2) Satellite Communication		Satellite Communication & Networks	SEM –8
		3) Telecom Network Management		Telecom Network & Management	SEM –8 (ELECTIVE)
		4) Microwave Integrated Circuit		Microwave Integrated Circuit	SEM –8 (ELECTIVE)