

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (Autonomous) B.Tech. III Semester End Examinations (Model Question Paper)

Note: Answer ALL Questions



Course Title: Electronic Devices and Circuits

Time: 3 hours

Course Code: EC301PC

Max. Marks: 70

	Part-A (10 x $2 = 20$ Marks)									
Q. No.	Stem of the Question	Μ	L	СО	PO					
Unit-I										
1. a)	Write the Applications of Diode	2	1	1	1					
1. b)	Differentiate between Clipper and Clamper	2	2	1	3					
	Unit-II									
1. c)	What is Early Effect	2	1	1	1					
1.d)	Explain the concept of Thermal runaway in detail	2	2	1	3					
Unit-III										
1. e)	Distinguish between avalanche and Zener mechanisms of a diode	2	1	1	3					
1.f)	How FET work as a Voltage variable Resistor	2	2	2	2					
	Unit-IV									
1. g)	Draw the small signal low frequency h-parameter model of a CB Transistor	2	2	4	5					
1.h)	Why CC Amplifier is called Emitter Follower	2	2	4	5					
	Unit-V									
1. i)	What are the advantages of FET over BJT	2	1	4	1					
1.j)	Draw the Drain characteristics of E-MOSFET	2	1	4	1					

Q. No.	Stem of the Question	Μ	L	CO	PO			
Unit-I								
2.a)	Design a negative Clipper Circuit with Reference voltage is 3V.	6	6	2	3			
2.b)	The voltage across a silicon diode at room temperature is 0.7 V when 2 mA current flows through it. If the voltage increases to 0.75 V,	4	4	2	2			
	calculate the diode current. Assume $V_T = 26 \text{ mV}$.							
	OR			1				
2. c)	Draw and explain the circuit diagram of full wave rectifier with L- section filter	5	2	1	4			
2.d)	Derive the Diffusion Capacitance in PN Junction Diode	5	4	1	1			
	Unit-II							
3. a)	From the transistor current components, develop the current equation of transistor.	5	6	2	3			
	An NPN transistor if β =50 is used in common emitter circuit with							
3. b)	Vcc=10V and Rc=2k Ω . The bias is obtained by connecting 100k Ω	5	4	3	2			
	resistor from collector to base. Find the quiescent point and stability factor							
	OR							
3. c)	Draw and Explain the Voltage divider Bias technique and derive its stability factor S.	5	3	3	11			
3.d)	Explain the Input and Output characteristics of CB configuration with neet diagram.	5	1	2	1			
	Unit-III		1					
4. a)	Explain the Construction and operation of N-Channel JFET	5	1	4	3			
4. b)	Explain the construction and working of SCR	5	2	2	3			
	OR							
4. c)	Draw the V-I Characteristics of Tunnel diode with the help of Energy band diagram.	4	3	4	3			

4.d)	An n-channel JFET has $I_{DSS} = 10$ mA and $V_P = -2V$. Determine the drain source resistance r_{ds} for (i) $V_{GS} = 0V$. (ii) $V_{GS} = -0.5V$.	4	4	3	2
	Unit-IV				
5. a)	Sketch the circuit diagram of CE amplifier and explain its operation in detail	5	2	4	11
5. b)	A transistor in CB configuration circuit has the following set of 'h' parameters. $h_{ib} = 20 \ \Omega$, $h_{fb} = 0.98$, $h_{rb} = 3 \times 10{\text{-}4}$, $h_{ob} = 0.5 \times 10{\text{-}6} \text{ A/V}$. Find the values R_i , R_o , A_i and A_v , if $R_s = 600\Omega$ and $R_L = 5 \ k\Omega$.	5	3	4	2
	OR		I		
5. c)	Compare the performance of BJT as an amplifier in CE, CB, CC configuration	5	2	4	1
5.d)	Draw the Common emitter amplifier with Emitter resistor and explain its operation.	5	3	4	1
	Unit-V				
6. a)	Explain the Construction and operation of Enhancement mode MOSFET	5	2	2	4
6. b)	Why CD Aplifier is Known as Source Follower. Explain in detail.	5	3	4	1
	OR	1	ı	ı	1
6. c)	Derive the expressions for Z i , Zo and Av for common source J-FET amplifier	6	4	4	3
6.d)	Write the differences between J-FET and MOSFET	4	3	4	1
	M: Marke: I. Bloom's Taxonomy Lavel: CO: Course Outcome: DO: Program	m_{0}	itaama		



MAHATMA GANDHI INSTITUTE OF TECHNOLOGY

(Autonomous) B.Tech. III Semester End Examinations (Model Question Paper) **MR-21**

Course Title: Network Analysis & Transmission Lines Time: 3 hours

Course Code: EC302PC

Max. Marks : 70

Note: Answer ALL Questions Part-A (10 x 2 = 20 Marks)

Q. No.	Stem of the Question	Μ	L	CO	PO					
Unit-I										
1. a)	Define tree and co-tree.	2	1	1	2					
1. b)	Obtain the equivalent inductance in the case of series aiding inductors.	2	2	1	1, 2					
	Unit-II									
1. c)	Derive the expression for bandwidth of a series RLC circuit.	2	3	2	1, 2					
1. d)	Prove that a LPF acts as an integrator for integrator for large time constants.	2	2	2	1, 2					
	Unit-III									
1. e)	Write the symmetry and reciprocity conditions in terms of h-parameters.	2	2	3	1, 2					
1. f)	Write short notes on driving point functions.	2	1	3	2					
	Unit-IV									
1. g)	What is meant by loading of transmission lines?	2	2	4	3					
1. h)	A lossless transmission line has $P = j0.003$ rad/m. Find the phase velocity.	2	2	4	1, 2					
	Unit-V									
1. i)	Give the significance of $\lambda/4$ transmission line.	2	2	4	2					
1. j)	Find the reflection coefficient seen when a 50 ohms line is terminated with 80 ohms load.	2	2	4	1, 2					

Q. No.	Stem of the Question	Μ	L	СО	PO
	Unit-I				
2. a)	What is an f-tieset? Explain the procedure for obtaining f-Tieset matrix.	5	2	1	1, 2
2. b)	Obtain f-cutset matrix for the graph given below.	5	2	1	1, 2
	OR		1	1	
2. c)	Derive the expression for coupling coefficient in terms of L1, L2 and M.	5	2	1	2
,	Write mesh equations for the circuit shown below.				
2. d)	Vscoswit (Vscoswit (Vscosw	5	3	1	1, 2
	Unit-II				
3. a)	Discuss the resonant characteristics of parallel RLC circuit.	5	2	2	1, 2, 3
3. b)	Obtain v(t) for t>0. Assume switch was towards 40V for long period of time. 1 = 0 1 = 0 1 = 0 20^{1} $1 = 40^{1}$ 1 = 0 1 = 500 JV $1 = 10^{1}$ 1 = 0 1 =	5	3	2	1, 2
	OR		ı	1	
3. c)	Explain and draw the step response of a second order circuit for under damped case.	5	4	2	1, 2
· · ·		I	1	1	I]

		1		1	
	In the circuit shown below the switch was open for a long period of time before it is closed at $t=0$. Obtain $i_L(t)$ for $t>0$.				
3. d)	10A DE Zow Edow 35H	5	3	2	1, 2
	Unit-III				
	Determine impedance parameters for the network shown.				
4. a)	1 or 1000 or 10000 or 1000 or 10000 or 10000 or 10000 or 10000 or 10000 or 10000 or 10000 or	5	2	3	1, 2
4. b)	Discuss T type attenuator.	5	2	3	3
,	OR				
4. c)	Write the properties of network transfer function.	4	2	3	2
	Determine h-parameters for the network shown.				
4. d)	$1 \sim 1 \sim 2$ $20N \neq 20N \neq 20N$ $1 \sim 1 \sim 10^{-10}$	6	3	3	1, 2
	Unit-IV				
5. a)	Derive transmission line equations.	6	3	4	1, 2
5. b)	The secondary constants of a certain line are $P = 0.002 + j0.001$ /m and $Z_0 = 230 - j40$ ohms. Deduce the primary constants of the line.	4	2	4	1, 2
	OR		r —	r	
5. c)	Prove that an infinite line is identical to a line terminated with its characteristic impedance.	5	3	4	2
5. d)	Derive the condition for distortion less transmission.	5	3	4	1, 2
	Unit-V				
6. a)	Discuss the applications of Smith chart.	5	4	4	2
6. b)	A 100 ohms UHF line of length 1.75λ is terminated with (60 - j20) ohms load. Using Smith	5	3	4	1, 2
	chart find Reflection coefficient, SWR, and input impedance of the line.	_	_		
	OR	6	4	4	2
6. c)	Discuss single stub matching in detail.	6	4	4	3
6. d)	The short circuit and open circuit impedances of a certain line are j120 ohms and –j80 ohms respectively. Find the characteristic impedance of the line and as well its electrical length.	4	3	4	1, 2
M: Marks: I : Bloom's Taxonomy Level: CO: Course Outcome: PO: Programme Outcome					



MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (Autonomous) B.Tech. III Semester End Examinations (Model Question Paper)



Course Title: DIGITAL SYSTEM DESIGN

Time: 3 hours

Course Code: EC303PC

Max. Marks : 70

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	Note: Answer ALL Questions				
	<i>Part-A</i> (10 x 2 = 20 Marks)		1	-	T
Q. No.	Stem of the Question	Μ	L	CO	PO
	Unit-I				
1. a)	Convert 12.125 decimal into binary	1	1	1	2
1. b)	Find 1s complement of 0101110	1	1	1	2
	Unit-II				
1. c)	How many cell are there in a 5 variable kmap.	1	2	2	1
1. d)	What is the general size of any multiplexer?	1	3	2	1
	Unit-III				
1. e)	Write the truth table of D flip flop	1	3	3	1
1. f)	How may no. of flip flops are required to design a mod-5 counter?	1	3	3	1
	Unit-IV				
1. g)	The number of flip flops required to design a machine having 6 states is		5	3	3
1. h)	What is even parity?	1	1	3	1
	Unit-V				
1. i)	Which logic family is fastest.	1	2	4	1
1. j)	Define fan out	1	2	4	1
-	$D_{aut} D (5 + 10 - 50 Marks)$			•	

Q. No.	Stem of the Question	М	L	CO	РО
	Unit-I		1	1	r
2. a)	Perform subtraction operation using 2's complement representation (80) - (70).	5	1	1	1
2. b)	Implement EXOR gate using only 4 NAND gates.	5	3	1	3
	OR				
2. c)	 perform the following conversions i) Find the octal equivalent of (73.75)₁₀ ii) Determine the hexadecimal equivalent of (82.25)10 iii) Find the binary equivalent of (13.375)10 	6	2	1	1
2. d)	Implement AB+CD +EF using only NAND gates	4	3	1	3
	Unit-II		1	1	1
3. a)	Simplify the following Boolean function using product of sums $F(a,b,c,d) = \sum (0,2,3,5,7,8,10,11,14,15)$	5	2	2	2
3. b)	Design a full adder using two half adders and one OR gate	5	3	2	4
	OR				
3. c)	Simplify the Boolean function using Kmap $F(a,b,c,d) = \sum (0,1,2,3,810,14,15)$	5	2	2	2
3. d)	Design a binary to gray code converter	5	4	2	3
	Unit-III		1	1	
4. a)	Derive the characteristic equations of SR and Jk flip flops	4	2	3	1
4. b)	Draw and explain the operation of a 5 bit shift register.	6	3	3	1
	OR				
4. c)	Design a twisted ring counter.	5	2	3	3
4. d)	Explain the operation of master slave JK flip flop.	5	2	3	2
	Unit-IV		1	1	
5. a)	Design a mod – 5 Counter.	5	4	3	4
5. b)	Design a even paring bit generator.	5	4	3	3
	OR		1	1	1
5. c)	Design a sequence detector circuit to detect 1010 sequence.	6	6	3	3
5. d)	Draw mealy machine diagram for 3-bit counter.	4	5	3	1

	Unit-V							
6. a)	Explain the operation of TTL totem pole output gate.	5	1	4	1			
6. b)	Draw and explain CMOS transmission gate.	5	2	4	1			
	OR							
6. c)	Implement AND, OR gates using diodes.	5	1	4	2			
6. d)	Compare noise margin, fan-in fan out for all logic families.	5	2	4	1			
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MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (Autonomous)



B.Tech. III Semester End Examinations

(Model Question Paper)

Note: Answer ALL Questions

Course Title: Signals and Systems

Time: 3 hours

Course Code: EC304PC

Max. Marks : 70

	Part-A $(10 \times 2 = 20 \text{ Marks})$										
Q. No.	Stem of the Question	Μ	L	CO	PO						
Unit-I											
1. a)	Check whether the signal $x(t) = te^{-3t}u(t)$ is energy or power or neither?	2	2	1	1, 2						
1. b)	Solve the integral $\int_{-\infty}^{+\infty} \delta(1-t)(t^3+4)dt$	2	3	1	1, 2						
	Unit-II										
1. c)	List out the Dirichlet's conditions for the existence of Fourier series	2	4	2	1						
1. d)	Prove that the compression of a signal in time domain leads an expansion in frequency domain with the help of Fourier Transform?	2	5	2	4						
	Unit-III										
1. e)	Verify the linearity of the system $y(t) = e^{x(t)}$?	2	2	3	2						
1. f)	What are the properties of convolution?	2	1	3	1,1 2						
	Unit-IV										
1. g)	How the stability of a system can be found in Laplace Transform?	2	1	4	1						
1. h)	What is meant by aliasing? How can you minimize it?	2	1	4	1						
	Unit-V										
1. i)	Distinguish between Laplace Transform and Z-Transform?	2	4	4	1						
1. j)	Find the relation between convolution and correlation?	2	2	3	1,1 2						

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Q. No.	Stem of the Question	Μ	L	CO	PO				
Unit-I									
2. a)	Prove that $sin(n\omega_0 t)$ and $cos(m\omega_0 t)$ are orthogonal with each other over	4	2	1	2				
2. d)	the interval $\left(t_0, t_0 + \frac{2\pi}{\omega_0}\right)$	-	2	1	2				
2. b)	A rectangular function $f(t)$ is defined by $f(t) = \begin{cases} 1, & 0 < t < \pi \\ -1, & \pi < t < 2\pi \end{cases}$ Approximate rectangular function by a finite series of sinusoidal function $sin(rt), r = 1,2,3$ over the interval $(0,2\pi)$. Show that as the no. of terms in approximation increases, the error decreases.	6	4	1	2				
	OR								
2. c)	Check whether the following signals are periodic or not? Find the period if they are periodic? i) $x(n) = \cos\left(\frac{2\pi n}{3}\right) + \sin\left(\frac{3\pi n}{4}\right)$ ii) $x(t) = \sin^2 t$	6	2	1	1,2				
2. d)	Derive the expression for evaluating the mean square error in the approximation of the signal	4	1	1	1				
	Unit-II								
3. a)	f(t) $f(t)$	6	2	2	2				
	Find the Trigonometric Fourier Series of the above periodic signal.								

3. b)	State and prove the Parseval's relation property of the Fourier Series	4	1	2	1
	OR				
3. c)	Find the Fourier Transform of $e^{-at}u(t)$? Also sketch the magnitude and phase spectrum	5	2	2	2
3. d)	State and prove Time differentiation and Frequency shifting properties of Fourier Transform	5	1	2	1
	Unit-III				
4. a)	Convolve the signals $x_1(t) = e^{-2t}u(t-2)$ and $x_2(t) = e^{-3t}u(t)$?	5	3	3	1,2
4. b)	"All the ideal filters are non-causal". Justify?	5	5	3	1,4
,	OR				,
4. c)	Check the stability and causality of LTI system is described as $\frac{dy(t)}{dt} + 2y(t) = x(t)$.	4	2	3	2,3
4. d)	A causal LTI system having a frequency response $H(j\omega) = \frac{1}{(3+j\omega)}$ is producing an output $y(t) = e^{-2t}u(t) - e^{-4t}u(t)$ for a particular input $x(t)$. Determine $x(t)$?	6	5	3	2,3
	Unit-IV		1	1	
	Find the inverse Laplace Transform of the following:				
5. a)	$X(s) = \frac{5s+4}{s^2+2s+1} Re(s) > -1$ Find the Laplace Transform of $x(t) = \delta(t) + 3e^{-2t}u(t) - 2e^{-t}u(t)$. Also	5	3	4	2,3
5. b)	Find the Laplace Transform of $x(t) = \delta(t) + 3e^{-2t}u(t) - 2e^{-t}u(t)$. Also draw the region of convergence.	5	3	4	2,3
	OR				
5. c)	Find the Inverse Z-Transform of $X(Z) = \frac{Z(Z^2-4Z+5)}{(Z-1)(Z-2)(Z-3)}$ for the following ROCs i) $ Z > 3$ ii) $ Z < 1$ iii) $1 < Z < 3$	6	3	4	2,3
5. d)	Define the Region Of Convergence of Z-Transforms and explain its Properties.	4	1	4	1
	Unit-V				
6. a)	Define sampling theorem. Explain the recovery of the band limited signal from its sampled version.	5	2	4	1
6. b)	Calculate the Nyquist rate and Nyquist interval of the signal, $x(t) = 3\cos(500\pi t) + 15\sin(200\pi t)$	5	1	4	1,2
	OR				
6. c)	Derive the relationship between Autocorrelation function and Power Spectral Density	5	4	3	1
6. d)	Prove that any arbitrary signal can be recovered from noise using cross correlation.	5	3	3	1,3



MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (Autonomous) B.Tech. III Semester End Examinations (Model Question Paper)

Course Title: Probability Theory and Stochastic Processes Time: 3 hours

Course Code: EC305PC Max. Marks : 70

MR-21

Max. Marks :

Note: Answer ALL Questions Part-A (10 x 2 = 20 Marks)

Q. No.	Stem of the Question	Μ	L	CO	PO		
	Unit -I						
1. a)	Define probability based on Relative frequency	2	1	1	1		
1. b)	Explain the classifications of Random variable with example	2	2	1	1,2		
	Unit-II						
1. c)	Write short notes on Moments	2	1	2	1		
1. d)	Define covariance	2	1	2	1		
Unit-III							
1. e)	Define Stationary random Process	2	1	3	1		
1. f)	Explain Ergodic random processes	2	2	3	1,2		
Unit-IV							
1.g)	State the properties of power spectral density	2	2	3	1		
1.h)	The auto correlation function of a stationary random process X(t) is given by $R_{xx}(T)=25+4/(1+6 T^2)$ find mean and variance	2	3	3	2		
Unit-V							
1. i)	Define Noise Figure	2	1	4	1		
1. j)	What is the relation between channel capacity and mutual information	2	2	4	1,2		

Q. No.	Stem of the Question	Μ	L	CO	PO			
	Unit-I							
2. a)	State and Prove Bayes Theorem	4	2	1	1.2			
2. b)	Two fair dice are thrown independently. Three events A,B,C are respectively defined as follows: i)Odd face with first die ii) Odd face with second die iii)The sum of two numbers in the two dice is odd. Are the events A, B, C mutually independent or pair wise independent	6	3	1	1.2			
	OR							
2. c)	state and prove the properties of probability Distribution function	4	2	1	1,2			
2. d)	A random variable X has the following probability density function $f(x)=x 0 < x < 1$ $= k(2-x) 1 \le x \le 2$ $=0 \text{else where}$ i) Find the value of k ii) Find P(0.2 < x < 1.2) iii) Find the distribution function of X	6	3	1	1.2			
	Unit-II							
3. a)	State and prove the properties of Moment generating function	4	2	2	1,2			
3. b)	Find the mean and variance of Poisson Distribution function	6	2	2	1,2			
	OR							
3. c)	Explain the statistical independence of random variables with example.	4	2	2	1,2			
3. d)	Two random variables X and Y have zero mean and variance $\sigma_X^2 = 16$, $\sigma_Y^2 = 36$ correlation coefficient is 0.5 determine the following i) The variance of the sum of X and Y ii) The variance of the difference of X and Y	6	3	2	1,2			
Unit-III								
4. a)	Explain types of random process in detail.	4	2	3	1			
4. b)	A random process is given as $X(t) = At$, where A is a uniformly distributed random variable on (0,2). Find whether $X(t)$ is wide sense stationary or not.	6	4	3	1,2			

	OR				
4. c)	Define covariance of the random process and derive its properties.	4	2	3	1,2
4. d)	Find mean square value and auto correlation function of response of LTI system.	6	2	3	1,2,3
	Unit-IV				
5. a)	Derive the expression for cross power spectral density between input and output of LTI system	6	5	3	1,2,3
5. b)	State and prove the properties of cross correlation	4	2	3	1,2
	OR	÷			
5. c)	Find the cross correlation function corresponding to the cross power spectrum $S_{XY}(\omega) = \frac{6}{(9+\omega^2)(3+j\omega)^2}$	6	3	3	1,2
5. d)	Write short notes on cross power density spectrum.	4	2	3	1,2
,	Unit-V			1	
6. a)	Derive noise figure in terms of network transfer function	4	2	4	1,2,3
6. b)	Compute the overall noise figure in the case of four amplifier stagescascaded, given the following dataNoise Figure 1^{st} Stage 1^{st} Stage 2^{nd} Stage 5 2^{nd} Stage 8 10 4^{th} Stage 12	6	3	4	1,2
	OR	·			
6. c)	Explain Huffman coding with example	6	3	4	1,2
6. d)	How to trade-off between bandwidth and SNR	4	2	4	1,2



MAHATMA GANDHI INSTITUTE OF TECHNOLOGY



(Autonomous) B.Tech. III Semester End Examinations

(Model Question Paper)

Note: Answer ALL Questions

Course Title: Constitution of India

Time: 3 hours

Course Code: MC301HS

Max. Marks : 70

Part-A (10 x 2 = 20 Marks)							
Q. No.	Stem of the Question	Μ	L	CO	PO		
	Unit-I						
1. a)	Define Constitution of India	1	1	1	6,8		
1. b)	List the drafting committee of constitution of India	1	1	1	6,8		
	Unit-II						
1. c)	What do you mean by fundamental duties in Indian constitution	1	1	2	6,8		
1. d)	List the fundamental rights.	1	1	2	6,8		
	Unit-III						
1. e)	List the classification of directive principles of state policy.	1	1	3	6,8		
1. f)	Briefly write about directive principles	1	2	3	6,8		
	Unit-IV			· · · · · ·			
1.g)	List out the three types of emergencies under Indian Constitution	1	1	4	6,8		
1. h)	State the important amendments.	1	1	4	6,8		
	Unit-V						
1. i)	What is Union Public service commission?	1	1	5	6,8		
1. j)	Define Election commission of India.	1	1	5	6,8		
The second se	Part-B (5 x 10=50 Marks)		-	T.	_		
Q. No.	Stem of the Question	Μ	L	CO	PO		
	Unit-I		-		_		
2. a)	Give detail account on the historical background of Indian Constitution.	5	1	1	6,8		
2. b)	Define. Explain the importance of preamble in the implementation of constitution	. 5	2	1	6,8		
	OR						
2. c)	Describe the salient features of Indian Constitution.	5	3	1	6,8		
2. d)	Discuss in detail the fundamental right to equality.	5	3	1	6,8		
	Unit-II						
3. a)	Explain the scope of the right to life and personal liberty.	5	2	2	6,8		
3. b)	Discuss in detail the fundamental duties of every citizen.	5	3	2	6,8		
	OR						
3. c)	Explain the needs and importance of fundamental duties of an Indian Citizen.	5	2	2	6,8		
3. d)	Explain fundamental right to certain freedom	5	2	2	6,8		
, ,	Unit-III			1			
4. a)	State the Directive Principles of State Policy and explain its significance.	5	1	3	6,8		
4. b)	Distinguish between fundamental rights and directive principles of state policy.	5	5	3	6,8		
/	OR			_			
4. c)	Discuss the views of Gandhian Principles in Directive Principles of State Policy.	5	3	3	6,8		
4. d)	State the importance of directive principles of state policy.	5	1	3	6,8		
	Unit-IV			_			
	Explain the power of the parliament to amend the constitution referring to decided	1 _			Τ		
5. a)	case	5	2	4	6,8		
5. b)	Describe the procedure of amendment of the constitution.	5	2	4	6,8		
,	OR			1 -			
_	Discuss in detail the federal structure and distribution of legislative and financia	1 _					
5. c)	powers between the union and states.	¹ 5	3	4	6,8		
5. d)	List out the effects of financial emergency.	5	1	4	6,8		
	Unit-V			·	,.		
6. a)	Classify the role of Local Government.	5	2	5	6,8		
6. b)	Write shorts on finance commission of India	5	3	5	6,8		
0.0)	OR	5	5	5	0,0		
	What are the important provisions relating to the Election Commission in the						
6. c)	Indian Constitution	5	2	5	6,8		
	List the important constitutional bodies and explain about election commission of	-			+		
6. d)	India	5	1	5	6,8		
	M: Marks: L: Bloom's Taxonomy Level: CO: Course Outcome: PO: Program				<u> </u>		