

Q=QUESTION A=ANSWER	question_description answer_description	question_explanation answer_explanation	question_type answer_isright	question_difficulty answer_position	
Q	If Unconditional stability condition is met, then the transistor can be_____ for any load		M	1	1
A	difficult to matche		0	1	
B	impidance mismatched		0	2	
C	impidance matched		1	3	
D	Easy to match		0	4	
Q	The network is unconditionally stable if the value of $ \Gamma_{in} $ and $ \Gamma_{out} $ is ____ for all passive source and load impedance		M	1	2
A	<1		1	1	
B	>1		0	2	
C	=1		0	3	
D	0		0	4	
Q	Conditional stability is also reffered as		M	1	3
A	potentially stable		0	1	
B	potentially unstable		1	2	
C	fully stable		0	3	
D	fully unstable		0	4	
Q	The Rollets condition says that the value of K should be		M	1	4
A	<1		0	1	
B	>1		1	2	
C	=1		0	3	
D	0		0	4	
Q	The device to be unconditionally stable the value of $\mu$ should be		M	1	5
A	=1		0	1	
B	0		0	2	
C	<1		0	3	
D	>1		1	4	

Q In a two port network, the source impedance was measured to be  $5 \Omega$  and the characteristic impedance of the transmission line was measured to be  $50 \Omega$ . Then the reflection coefficient at the source end is:

- A 1
- B -0.8182
- C -0.333
- D -0.01

Q The Transducer Power Gain ' $G_T$ ' is given by

- A  $P_{avs}/P_{avn}$
- B  $P_{avn}/P_{avs}$
- C  $P_{avs}/P_L$
- D  $P_L/P_{avs}$

Q In term of S parameter, the relation  $|S_{21}|/|S_{12}|$  is known as

- A Available gain
- B Transducer Gain
- C Total Gain
- D Maximum gain

Q If the output power of an amplifier is 10 V, and the input power supplied to the amplifier is 0.5 V given that the DC voltage used is 40 V, efficiency of the power amplifier is:

- A 23.75%
- B 26%
- C 50%
- D 75%

Q large coupler is used in \_\_\_\_\_ to achieve achieve the required performance.

- A Unbalanced amplifiers
- B balanced amplifiers
- C Power amplifier

M 1 6

0 1

1 2

0 3

0 4

M 1 7

0 1

0 2

0 3

1 4

M 1 8

0 1

1 2

0 3

0 4

M 1 9

0 1

0 2

0 3

1 4

M 1 10

0 1

1 2

0 3

D	Filter	0	4	
Q	The free running multivibrator is also called as	M	1	11
A	Bi Stable multivibrator	0	1	
B	Quasi Stable	0	2	
C	Voltage control oscillator	1	3	
D	Sine wave oscillator	0	4	
Q	Phase detector's output voltage is	M	1	12
A	Phase voltage	0	1	
B	Free running voltage	0	2	
C	Amplified Voltage	0	3	
D	Error voltage	1	4	
Q	Phase-locked loop tracks any change in input frequency in which state	M	1	13
A	Phase locked state	1	1	
B	Free running state	0	2	
C	Capture state	0	3	
D	Buffer state	0	4	
Q	Function of low pass filter in phase-locked loop is	M	1	
A	Removes high frequency noise	1	1	14
B	Improves low frequency noise	0	2	
C	Tracks the voltage changes	0	3	
D	Changes the input frequency	0	4	
Q	What is the need to generate corrective control voltage in PLL?	M	1	15
A	To filter the input	0	1	
B	To track the frequency change	1	2	
C	To amplify the input	0	3	
D	To Rectify the input	0	4	
Q	At what range the PLL can maintain the lock in the circuit?	M	1	16
A	Input range	0	1	
B	Output range	0	2	
C	Attenuation range	0	3	

D	Lock in range	1	4	
Q	The pull-in time doesn't depend on the following	M	1	17
A	initial phase and frequency difference between two signals	0	1	
B	Overall loop gain	0	2	
C	Loop filter characteristics	0	3	
D	Power supply values	0	4	
Q	Analog phase detector is often referred to as	M	1	18
A	Full wave detector	0	1	
B	Rectifier wave detector	0	2	
C	Half wave detector	1	3	
D	Active Filter	0	4	
Q	What happens when VCO output is 90 degrees out of phase with respect to input signal?	M	1	19
A	Attenuation	0	1	
B	Shift in phase of comparator	0	2	
C	Perfect lock	1	3	
D	Error signal is removed	0	4	
Q	How to overcome the problem associated with switch type phase detector?	M	1	20
A	Increase loop gain depending on input signal	0	1	
B	Phase shift is made linear	0	2	
C	Limit the amplitude of input signal	1	3	
D	rectify input	0	4	
Q	An RF input signal at 1.89GHz is required to be downconverted to an output IF of 200MHz. The required frequency of the local oscillator will be	M	1	21
A	1.69 GHz	0	1	
B	2.09 GHz	0	2	
C	Either 1.69 GHz or 2.09 GHz	1	3	
D	3.5321GHz	0	4	

Q Let the scattering parameters of a transistor in polar forms are,  $S_{11}$  [Mag=2.18 , angle= -35],  $S_{12}$  [Mag= 1.26 , angle= 18],  $S_{21}$  [Mag=2.75 , angle= 96],  $S_{22}$  [Mag=0.52, angle= 155]. To test k-delta satbility, the value of k is found to be

A 1

B 0.21

C infinity

D 0

Q Let the scattering parameters of a transistor in polar forms are,  $S_{11}$  [Mag=2.18 , angle= -35],  $S_{12}$  [Mag= 1.26 , angle= 18],  $S_{21}$  [Mag=2.75 , angle= 96],  $S_{22}$  [Mag=0.52, angle= 155]. To test the satbility, delta is found to be

A 2

B 3

C 4

D 2.341

Q Conversion gain of a Mixer is defined as

A Output power in One sideband (IF)/ Signal input ( RF) power

B Signal input ( RF) power/Output power in One sideband (IF)

C Signal input ( RF) power / Total output power

D Total output power / Signal input ( RF) power

Q Typical conversion efficiency for Varactor multipliers is

A Less than 25 percent

B Between 25 to 50 percent

C Between 50 to 80 percent

D More than 80 percent

M 1 22

0 1

1 2

0 3

0 4

M 1 23

0 1

0 2

0 3

1 4

M 1 24

1 1

0 2

0 3

0 4

M 1 25

0 1

0 2

1 3

0 4

Q If the parameters of a FET of a single ended FET mixer are  $R_d=300\ \Omega$ ,  $R_i=10\ \Omega$ ,  $C_{gs}=0.3\ \text{pF}$ ,  $g_1=10\ \text{mS}$  and if  $f=2.4\ \text{GHz}$ , then the maximum conversion gain will be

A  $G_c=36.6\ \text{dB}$

B  $G_c=15.6\ \text{dB}$

C  $G_c=-36.6\ \text{dB}$

D  $G_c=-15.6\ \text{dB}$

Q Conversion loss of a down-conversion mixer in dB is expressed as

A Available IF input power / Available RF output power

B Available RF input power / Available IF output power

C Available LO input power / Available RF output power

D Available RF input power / Available LO output power

Q The efficiency of a resistive multiplier drops as

A  $1/m$

B  $1/(\text{square of } m)$

C  $1/(\text{cube of } m)$

D  $1/(m \text{ raised to power } 4)$

Q A RF Mixer is a

A One port device

B Two port Device

C Three Port Device

D Four port device

Q Which of the following type of noise is induced at higher frequencies operation of an Oscillator

A Thermal noise

M

1

26

0

1

1

2

0

3

0

4

M

1

27

0

1

1

2

0

3

0

4

M

1

28

0

1

1

2

0

3

0

4

M

1

29

0

1

0

2

1

3

0

4

M

1

30

1

1

B	White noise		0	2	
C	Shot noise		0	3	
D	Flicker noise		0	4	
Q	Characteristic Impedance is denoted as		M	1	31
A	$Z_0$		1	1	
B	$Z_i$		0	2	
C	$Z_n$		0	3	
D	$Z_x$		0	4	
Q	The value of $Z_{i2}$ is given by		M	1	32
A	$z_{i2} = \text{Sqrt}(AB/CD)$		0	1	
B	$z_{i2} = \text{Sqrt}(CD/AB)$		0	2	
C	$z_{i2} = \text{Sqrt}(BD/AC)$		1	3	
D	$z_{i2} = \text{Sqrt}(AC/BD)$		0	4	
Q	In principle the Richards transformation replaces Capacitor by		M	1	33
A	Voltage Source		0	1	
B	Current Source		0	2	
C	Open Circuit		1	3	
D	Short Circuit		0	4	
Q	The expression of the open circuit impedance $Z_{oc}$ is?		M	1	34
A	$Z_{oc} = Z_1/2 + Z_2$		1	1	
B	$Z_{oc} = Z_2/2 + Z_2$		0	2	
C	$Z_{oc} = Z_1/2 + Z_1$		0	3	
D	$Z_{oc} = Z_1/2 - Z_2$		0	4	
Q	The Condition that corresponds to the wave does not propagate, but is attenuated along the line; this defines the stopband of the structure		M	1	35
A	$\alpha \neq 0, \beta = 0, \pi$		1	1	
B	$\alpha = 0, \beta = 0, \pi$		0	2	
C	$\alpha = 0, \beta \neq 0, \pi$		0	3	

D	$\alpha \neq 0, \beta \neq 0, \pi$	0	4	
Q	For Equal Ripple Response which polynomial is used to specify Insertion Loss	M	1	36
A	Chebyshev Response	1	1	
B	Poissons Response	0	2	
C	Butterworth Response	0	3	
D	Maxwells Response	0	4	
Q	For Equal-Ripple Low Pass Filter Prototype the filter will have power loss ratio of $1+k^2$ at $\omega=0$ when	M	1	37
A	N is Odd	0	1	
B	N is Even	1	2	
C	N is some random number	0	3	
D	N is zero	0	4	
Q	For a constant k low pass filter section find the value of 'C', if $f_c = 4\text{MHz}$ and $R_0 = 75\Omega$	M	1	38
A	1.06nF	1	1	
B	2.06nF	0	2	
C	3.06nF	0	3	
D	4.06nF	0	4	
Q	The first stage in a four stage composite filter is	M	1	39
A	Constant k	0	1	
B	Sharp Cutoff	0	2	
C	Matching Section	1	3	
D	High f cutoff	0	4	
Q	After Impedance Scaling is done the new value of Capacitance becomes	M	1	40
A	$C' = R_0 \times C$	0	1	
B	$C' = R_0 / C$	0	2	
C	$C' = C / R_0$	1	3	
D	$C' = C$	0	4	
Q	The circuit causing the interference is called	M	1	41
A	Static strength	0	1	



B	Receptor		0	2	
C	Source		1	3	
D	Noncoupling		0	4	
Q	The resistance R of a simple one conductor earth electrode system is defined as		M	1	42
A	$V / I$		1	1	
B	$I / V$		0	2	
C	$C / V$		0	3	
D	$V / C$		0	4	
Q	What is abbreviation of EMI		M	1	43
A	Electromagnetic Interference		1	1	
B	Electromagnetic Compatibility		0	2	
C	Electronics Measurement Instrumentation		0	3	
D	Electromagnetic engineering		0	4	
Q	When the cause of the EMI problem is within the system then it is called as		M	1	44
A	Intersystem EMI problem		1	1	
B	Intrasystem EMI problem		0	2	
C	Susceptor		0	3	
D	Emitter		0	4	
Q	The victim device affected by EMI is called		M	1	45
A	Susceptor		1	1	
B	Emitter		0	2	
C	Base and Emitter		0	3	
D	Base and Collector		0	4	
Q	EMI occur for a very short duration like pulses, it is known as		M	1	46
A	Continous EMI		0	1	
B	Impulse EMI		1	2	
C	Natural EMI		0	3	
D	Human-made EMI		0	4	
Q	When two conductors are used, when the noise is out of phase on the conductors, it is said to operate in		M	1	47

A	Common Mode	0	1	
B	Conduction Coupling	0	2	
C	Differential Mode	1	3	
D	Radiation Coupling	0	4	
Q	When the cause of the EMI problem is within the system then it is called as	M	1	48
A	Intersystem EMI problem	0	1	
B	Intrasystem EMI problem	1	2	
C	Susceptor	0	3	
D	Emitter	0	4	
Q	The sudden flow of electricity between two electrically charged objects caused by contact, an electrical short, or dielectric breakdown is called	M	1	49
A	Discharge	0	1	
B	Electrostatic discharge	1	2	
C	Electromagnetic interference	0	3	
D	Interference	0	4	
Q	The initial current rises very rapidly to a high peak value and then gradually _____ to the normal load current after undergoing a damped oscillation at a frequency.	M	1	50
A	Decrease	0	1	
B	Equal	0	2	
C	Decays	1	3	
D	Increase	0	4	
Q	Pulsars radiate electromagnetic noise, which is a _____?	M	1	51
A	continuous wave	0	1	
B	similar to white noise	0	2	
C	in aperiodic pulses	0	3	
D	in pulses with constant repetition frequency	1	4	
Q	Extremely high voltages due to the buildup of static electricity occur in	M	1	52

A	objects with sharper radii such as furniture	0	1	
B	objects which do not have corners with sharper radii	1	2	
C	humid weather such as beach resorts	0	3	
D	objects with corners having sharper radii under highly humid weather	0	4	
Q	Automobile ignition system generate EM noise due to	M	1	53
A	large transient current	1	1	
B	Short luminous steps	0	2	
C	small transient current	0	3	
D	interference	0	4	
Q	which of the following appliances has maximum electric field intensity?	M	1	54
A	Electric blanket	1	1	
B	Boiler	0	2	
C	stereo	0	3	
D	Toaster	0	4	
Q	which of the following appliances has minimum electric field intensity?	M	1	55
A	Hair dryer	0	1	
B	Coffee pot	0	2	
C	Stereo	0	3	
D	Incandescent bulb	1	4	
Q	During nuclear explosion, there is increase in conductivity due to	M	1	56
A	protons pair generation by molecules	0	1	
B	ion pair generation by photons	1	2	
C	electron pair generation	0	3	
D	air density	0	4	
Q	cross-talk refers to	M	1	57
A	convection between EM waves	0	1	
B	coupling of EM waves	1	2	
C	Reflection of Em waves	0	3	

D	conduction of EM waves	0	4	
Q	Which of the following components does NOT cause passive intermodulation?	M	1	58
A	ferrite isolators	0	1	
B	filters	0	2	
C	resistors	1	3	
D	connectors	0	4	
Q	Which of the following techniques are used for measuring Antenna factor?	M	1	59
A	Standard site method	1	1	
B	OATS	0	2	
C	Anechoic Chamber	0	3	
D	Current probe	0	4	
Q	In an OATS, the maximum allowable terrain toughness at wavelength $\lambda$ is given by _____.	M	1	60
A	$\lambda/8$	0	1	
B	$\lambda/6$	0	2	
C	$\lambda/4$	0	3	
D	set by Rayleigh criterion	1	4	
Q	DDFS system is a Clock	1	1	61
A	Multiplier	0	1	
B	Adder	0	2	
C	Subtractor	0	3	
D	Divider	1	4	
Q	Programmable frequency dividers are	1	1	62
A	Highly frequency limited	1	1	
B	Noise limited	0	2	
C	Voltage limited	0	3	
D	Gain limited	0	4	
Q	The soil conductivity of earth is about	M	1	63
A	0.1 mhos/m	0	1	
B	0.01 mhos/m	1	2	

C	0.001 mhos/m		0	3	
D	1 mhos/m		0	4	
Q	The ocean conductivity is measured as		M	1	64
A	1 mhos/m		0	1	
B	2 mhos/m		0	2	
C	3mhos/m		0	3	
D	4mhos/m		1	4	
Q	Current pulse is also known as		M	1	65
A	Faraday's current		0	1	
B	Maxwell's current		0	2	
C	Compton's current		1	3	
D	Ohm's current		0	4	
Q	The downward moving gamma rays interact with atmosphere at an altitude of		M	1	66
A	20-30km		0	1	
B	30-40km		0	2	
C	40-50km		1	3	
D	50-60km		0	4	
Q	The intensity of electromagnetic field generated by nuclear explosion has an extended frequency range upto_____		M	1	67
A	1 MHz		0	1	
B	10 MHz		0	2	
C	1 GHz		1	3	
D	10 GHz		0	4	
Q	The non linear I-V charactristics in a Resistive multipleirs generally is obtained by using		M	1	68
A	Resistor		0	1	
B	Inductor		0	2	
C	Zener diode		0	3	
D	Forward-biased Schottky Barrier diode		1	4	

Q	Which of the following Oscillators have lower frequency and power capabilities		M	1	69
A	Tunnel diode oscillator		0	1	
B	Gunn diode oscillator		0	2	
C	IMPATT diode oscillator		0	3	
D	Transistor Oscillator		1	4	
Q	Which of the following Oscillators offers better control on oscillation frequency, temperature stability and output noise		M	1	70
A	Tunnel diode oscillator		0	1	
B	Gunn diode oscillator		0	2	
C	IMPATT diode oscillator		0	3	
D	Transistor Oscillator		1	4	
Q	Which of the following Oscillators lend themselves well to frequency tuning, phase locking and various modulation requirement		M	1	71
A	Tunnel diode oscillator		0	1	
B	Gunn diode oscillator		0	2	
C	IMPATT diode oscillator		0	3	
D	Transistor Oscillator		1	4	
Q	Plot of propagation constant, $\beta$ , versus the propagation constant of the unloaded line, $k$ (or $\omega$ ) is called as		M	1	72
A	Venn Diagram		0	1	
B	Bloch Diagrams		0	2	
C	Rayleigh Diagram		0	3	
D	Brillouin Diagram		1	4	
Q	The formula to calculate the value of propagation constant $\beta$ is		M	1	73
A	$\beta = \sqrt{(k^2 - K_c^2)}$		1	1	
B	$\beta = \sqrt{(K_c^2 - k^2)}$		0	2	

C	$\beta = \sqrt{(k^2 + K_c^2)}$	0	3	
D	$\beta = \sqrt{(k^2 / K_c^2)}$	0	4	
Q	In Image Parameter Method, which condition tells that the network is symmetrical	M	1	74
A	$Z_{i1} = Z_{i2}$	1	1	
B	$Z_{i1} \neq Z_{i2}$	0	2	
C	$Z_{i1} + Z_{i2} = 0$	0	3	
D	$Z_{i1} - Z_{i2} = 0$	0	4	
Q	Find the value of cutoff frequency $f_c$ for Low Pass Filter if the values of L and C are $11.94\mu\text{H}$ and $2.122\text{ nF}$ respectively.	M	1	75
A	4 MHz	0	1	
B	3 MHz	0	2	
C	2 MHz	1	3	
D	1 MHz	0	4	
Q	Maximally Flat characteristics are also called as	M	1	76
A	Chebyshev Response	0	1	
B	Poissons Response	0	2	
C	Butterworth Response	1	3	
D	Maxwells Response	0	4	
Q	What is the condition required to cascade two lower order filters to obtain good attenuation characteristics	M	1	77
A	$N < 10$	0	1	
B	$N > 10$	1	2	
C	$N = 10$	0	3	
D	$N = 0$	0	4	
Q	For Equal-Ripple Low Pass Filter Prototype the filter will have unity power loss ratio at $\omega = 0$ when	M	1	78
A	N is Odd	1	1	

- B N is Even  
 C N is some random number  
 D N is zero
- After Impedance Scaling is done the new value of Inductance becomes
- Q  
 A  $L' = R_0 \times L$   
 B  $L' = R_0 / L$   
 C  $L' = L / R_0$   
 D  $L' = L$
- If the S parameters of a transistor given are : $S_{11} = -0.811 - j0.311$ ,  $S_{12} = 0.0306 + j0.0048$ ,  $S_{21} = 2.06 + j3.717$ ,  $S_{22} = -0.230 - j0.4517$ . Then  $\Delta$  for the given transistor is:
- Q  
 A 0.336  
 B 0.383  
 C 0.456  
 D 1
- In the S matrix of a transistor, if the parameter  $S_{21}$  is 2.6 then the gain  $G_o$  of the transistor has the value
- Q  
 A 6.2 dB  
 B 8.3 dB  
 C 2.22 dB  
 D 1.22 dB
- If the output power of an amplifier is 10 W, and the input power supplied to the amplifier is 0.229 W given that the DC voltage used is 38.5 V, efficiency of the power amplifier is:
- Q  
 A 25%  
 B 50%  
 C 75%  
 D 35%

- |   |   |    |
|---|---|----|
| 0 | 2 |    |
| 0 | 3 |    |
| 0 | 4 |    |
| M | 1 | 79 |
| 1 | 1 |    |
| 0 | 2 |    |
| 0 | 3 |    |
| 0 | 4 |    |
| M | 1 | 80 |
| 1 | 1 |    |
| 0 | 2 |    |
| 0 | 3 |    |
| 0 | 4 |    |
| M | 1 | 81 |
| 0 | 1 |    |
| 1 | 2 |    |
| 0 | 3 |    |
| 0 | 4 |    |
| M | 1 | 82 |
| 1 | 1 |    |
| 0 | 2 |    |
| 0 | 3 |    |
| 0 | 4 |    |



Q If a power amplifier has an output power of 10 W, and an amplifier gain of 16.4 dB, then the input drive power is:

- A 400 mW
- B 225 mW
- C 229 mW
- D 240 mW

Q Which device is used for diagnostic purposes and for recording?

- A Low pass filter
- B High Pass filter
- C crystal oscillator
- D VCO

Q Find the value of  $R_s$  for following specifications  $S_{11}=0.869\angle-159^\circ$ ,  $S_{12}=0.031\angle-9^\circ$ ,  $S_{21}=4.250\angle61^\circ$ ,  $S_{22}=0.507\angle-117^\circ$

- A 0.305
- B 0.405
- C 0.105
- D 0.205

Q What is full form of RE

- A Radition Electric Network
- B Radiated Emission
- C Radio Engineering
- D Radar Engineering

Q What is full form of RS

- A Radiated Susceptibility
- B Radio station
- C Radiated Sources
- D Radar Engineering

M 1 83

0 1

0 2

1 3

0 4

M 1 84

0 1

0 2

0 3

1 4

M 1 85

0 1

0 2

0 3

1 4

M 1 86

0 1

1 2

0 3

0 4

M 1 87

1 1

0 2

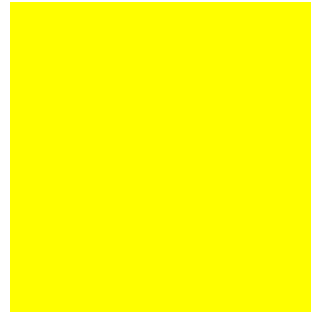
0 3

0 4

Q	An electromagnetic disturbance coupled from one circuit to another through a common earth or ground-return path is called		M	1	88
A	Ground internet		0	1	
B	Ground Path		0	2	
C	Ground shielding		0	3	
D	Ground coupled interference		1	4	
Q	How interference is avoided in power supply lines?		M	1	89
A	Ground Path		0	1	
B	Power line filter		1	2	
C	Electric field Coupling		0	3	
D	Noncoupling		0	4	
Q	LISN stand for		M	1	90
A	Lighting Impedance Stabilisation Network		0	1	
B	Line Impedance Stabilisation Network		1	2	
C	Linear Impedance Stabilisation Network		0	3	
D	Look Impedance Stabilisation Network		0	4	
Q	What is the main objective of LISN?		M	1	91
A	Provide constant impedance over range of frequency		0	1	
B	Provide pure power without EM noise		0	2	
C	Linear Impedance Stabilisation Network		0	3	
D	Both A and B		1	4	92
Q	Conducted emission as electromagnetic energy created by device and transmitted in the form of the electric current is called		M	1	
A	Conducted EMI		1	1	
B	Radiated EMI		0	2	
C	Radiated Susceptibility		0	3	
D	Electric field Coupling		0	4	
Q	_____ is useful in creating desired wave pattern such as binary bit pattern of a computer.		M	1	93
A	Time domain analysis		0	1	
B	Frequency domain analysis		1	2	

C	Radio Frequency analysis	0	3	
D	Network Analysis	0	4	
Q	The effects of EMI can not be reduced by	M	1	94
A	Reducing the efficiency of the coupling path	0	1	
B	Reducing the susceptibility of the receptor	0	2	
C	Suppressing emissions	0	3	
D	Static strength	1	4	
Q	The opposite of susceptibility is	M	1	95
A	Interference	0	1	
B	Immunity	1	2	
C	Emission	0	3	
D	Electromagnetic compatibility	0	4	
Q	Determine the offset frequency of frequency translation, when the output and input frequency are given as 75kHz and 1000Hz.	M	1	96
A	35 kHz	0	1	
B	20 kHz	1	2	
C	29 kHz	0	3	
D	14 kHz	0	4	
Q	The frequency corresponding to logic 1 state in FSK is called	M	1	97
A	Space frequency	0	1	
B	Mark frequency	1	2	
C	Both mark and space frequency	0	3	
D	Cut off Freq	0	4	
Q	Find the frequency shift in FSK generator?	M	1	98
A	230 Hz	0	1	
B	250 Hz	0	2	
C	180 Hz	0	3	
D	200Hz	1	4	
Q	Which of the following is not the characteristics of Frequency Synthesizers?	M	1	99
A	Sinusoidal Output	0	1	

B	High stability
C	High Accuracy
D	zero output impedance
Q	The Modern Direct Digital Frequency Synthesis uses
A	A/Dconverters
B	D/A onverters
C	V/F Converters
D	Harmonic Converter



0  
0  
1  
M  
0  
1  
0  
0

2
3
4
1
1
2
3
4

100



Unit 2

Unit-4





Unit-3



Unit-1



Unit-5



Unit-6

