

**Note: “These are sample MCQs to indicate pattern, may or may not appear in examination”**

Program: BE Computer Engineering

Curriculum Scheme: Revised 2012

Examination: Third Year Semester VI

Course Code: CPC604 and Course Name: Mobile Communication and Computing

Time: 1 hour

Max. Marks: 50

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Note to the students: All the Questions are compulsory and carry equal marks.

Q1.	Hidden and exposed terminal problem is solved by
Option A:	TCP
Option B:	AODV
Option C:	Internet Protocol
Option D:	MACA Protocol
Q2.	In GSM System numbers of channels are
Option A:	72
Option B:	108
Option C:	250
Option D:	124
Q3.	The theory of electromagnetic fields and wave equations is introduced by
Option A:	Maxwell
Option B:	Newton
Option C:	Hertz
Option D:	Fresnel
Q4.	The process of transferring a mobile station from one base station to another is called as
Option A:	Roaming
Option B:	Hand off
Option C:	Forward channel
Option D:	MSC
Q5.	_____ algorithm is used for encryption in GSM.
Option A:	A8.
Option B:	A2.
Option C:	A3.
Option D:	A5
Q6.	Each transmitter in cellular systems is called as
Option A:	base station.
Option B:	radio station.
Option C:	calling station.

Option D:	mobile station
Q7.	Which of the following provides packet mode data transfer service over the cellular network system?
Option A:	GSM
Option B:	GPRS
Option C:	TCP
Option D:	SMPS
Q8.	Which TCP Variants, chokes sender via window size?
Option A:	Snooping TCP
Option B:	Direct TCP
Option C:	Indirect TCP
Option D:	Mobile TCP
Q9.	Which of the following segments a TCP connection into a fixed part and a wireless part?
Option A:	Indirect TCP
Option B:	Direct TCP
Option C:	Both a and b
Option D:	Mobile TCP
Q10.	Which of the following is not a TCP enhancement technique in Mobile scenario?
Option A:	Indirect TCP
Option B:	Snooping TCP
Option C:	Mobile TCP
Option D:	IP/TCP
Q11.	Address space in IPV6 is
Option A:	32 bits
Option B:	64 bits
Option C:	128 bits
Option D:	256 bits
Q12.	Forming a group of Bluetooth PICONETs is called as
Option A:	NANONET
Option B:	MICRONET
Option C:	SCATTERNET
Option D:	INTRANET
Q13.	Which among the following is the limitation of infrared technology?
Option A:	Licenses are needed
Option B:	Shielding is difficult
Option C:	Cannot penetrate walls or other obstacles
Option D:	Electrical devices interfere with Infrared transmission

Q14.	The cost and complexity associated with Ad hoc based wireless network is high because
Option A:	Decentralized TCP protocols are used for coordination
Option B:	Decentralized MAC protocols are used for coordination
Option C:	Decentralized IP protocols are used for coordination
Option D:	Decentralized PHY protocols are used for coordination
Q15.	Where is the chance of collision in 802.11 MAC with RTS/CTS exchange?
Option A:	During CTS exchange
Option B:	During RTS exchange
Option C:	During Data exchange
Option D:	During ACK exchange
Q16.	Which of the following is the Highest Data Rate in 802.11b
Option A:	1 Mbps
Option B:	2 Mbps
Option C:	11 Mbps
Option D:	54 Mbps
Q17.	In MIMO, which factor has the greatest influence on data rates?
Option A:	The size of antenna
Option B:	The height of the antenna
Option C:	The number of transmit antennas
Option D:	The area of receive antennas
Q18.	Which of the following is not the reason of co-channel interference?
Option A:	Adjacent frequency allocation
Option B:	Adverse weather condition
Option C:	Poor frequency planning
Option D:	Short distance calling
Q19.	What is the distance of Geostationary Earth Orbit (GEO) Satellite from earth?
Option A:	36000 km
Option B:	5000- 12000 km
Option C:	500- 1500 km
Option D:	80000 km
Q20.	Which of the following is one of the layer in Android Architecture?
Option A:	Physical layer
Option B:	Transport layer
Option C:	Network layer
Option D:	Application framework layer
Q21.	Which of the following method is called to close down in Android activity?
Option A:	onCreate()
Option B:	onDestroy()

Option C:	onResume()
Option D:	onPause()
Q22.	In mobile computing security, preventing unauthorized users from gaining access to critical information of any particular user is called as
Option A:	Availability
Option B:	Integrity
Option C:	Confidentiality
Option D:	Quality of Service
Q23.	Message Authentication Code (MAC) in mobile security is to
Option A:	interpret the message easily
Option B:	send the message at long distance
Option C:	confirm the message came from stated user and has not been changed
Option D:	assure fast delivery of message
Q24.	Which of the following information is not there in digital certificate?
Option A:	Issuer Identity
Option B:	Private key of owner
Option C:	Public key of owner
Option D:	Period of validity
Q25.	Which protocol is used to authenticate the server to client and client to server in Secure Socket Layer (SSL)?
Option A:	UDP
Option B:	Handshake Protocol
Option C:	IP
Option D:	AODV Protocol

Program: BE Mechanical Engineering

Curriculum Scheme: Revised 2012 (CBSGS)

Examination: Third Year SemesterVI

Course Code: MEC 604 and Course Name: Thermal and Fluid Power Engineering

Time: 1hour

Max. Marks: 50

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Note to the students: - All the Questions are compulsory and carry equal marks.

Q1.	If nozzle angle is $30^\circ$ , the DE Laval turbine will have a maximum efficiency of
Option A:	0.43
Option B:	0.5
Option C:	0.75
Option D:	0.875
Q2.	For three row velocity compounded wheels, the last row of blades will do only .....of the total work
Option A:	1/4th
Option B:	1/8th
Option C:	1/12th
Option D:	1/16th
Q3.	Which aspect is not true in the control of a reaction turbine?
Option A:	Steam is only partially expanded in the nozzle, the remaining expansion takes place in the rotor blades
Option B:	reaction turbine blades are aero foil section & are asymmetrical
Option C:	different pressures exist on the two sides of the moving blades
Option D:	the number of stages required for a reaction turbine are less than those for an impulse turbine of the same power
Q4.	Which is the false statement in connection with a Parson's reaction turbine?
Option A:	both fixed & moving blades are identical
Option B:	the velocity diagram is symmetrical about a vertical center line
Option C:	the relative velocity of steam either remains constant or reduces slightly when the steam glides over moving blades
Option D:	the turbine has 50% degree of reaction
Q5.	A economizer in a steam generator performs the function of
Option A:	Pre heating the combustion air
Option B:	Pre heating the feeding water
Option C:	Pre heating the input fuel
Option D:	Raising the temperature of the steam

Q6.	Critical pressure ratio for super-heated steam flow through a nozzle is:
Option A:	0.5457
Option B:	0.578
Option C:	0.582
Option D:	0.565
Q7.	Degree of reaction is given by
Option A:	Heat drop in moving blades / total heat drop in the stage
Option B:	Heat drop in fixed blades / total heat drop in the stage
Option C:	Heat drop in moving blades / Heat drop in fixed blades
Option D:	total heat drop in the stage / Heat drop in fixed blades
Q8.	The steam leaves the nozzle at a
Option A:	High pressure and low velocity
Option B:	High-pressure and high velocity
Option C:	Low pressure and low velocity
Option D:	Low pressure and high velocity
Q9.	De-Laval turbine is a
Option A:	Single rotor impulse turbine
Option B:	Multi-rotor impulse turbine
Option C:	Impulse reaction turbine
Option D:	Parson's turbine
Q10.	Reaction turbines are used for
Option A:	low head
Option B:	high head
Option C:	high head and low discharge
Option D:	low head and high discharge
Q11.	Impulse turbine is generally fitted
Option A:	at the level of tail race
Option B:	little above the tail race
Option C:	Slightly below the tail race
Option D:	about 2.5m below the tail race to avoid cavitation
Q12.	Francis, Kaplan & Propeller turbines fall under the category of
Option A:	Impulse turbine
Option B:	Reaction Turbine
Option C:	Axial flow turbine
Option D:	Mixed Flow turbines
Q13.	In axial flow turbine water flows _____ to the axis of the turbine shaft.
Option A:	parallel
Option B:	perpendicular

Option C:	tangential
Option D:	radial
Q14.	Specific Speed for reaction turbine ranges from
Option A:	0 to 4.5
Option B:	10 to 100
Option C:	80 to 200
Option D:	250 to 300
Q15.	Which place in hydraulic turbine is most susceptible for cavitation
Option A:	inlet of draft tube
Option B:	blade inlet
Option C:	guide blade
Option D:	penstock
Q16.	Governing mechanism used in case of Pelton wheel turbine is _____
Option A:	guide vane
Option B:	nozzle needle
Option C:	control valve
Option D:	dam gates
Q17.	The cavitation in a hydraulic machine is mainly due to
Option A:	Low velocity
Option B:	High velocity
Option C:	Low pressure
Option D:	High pressure
Q18.	Which of the following is not an effect of Cavitation in a hydraulic machine?
Option A:	Causes noise & vibration of various parts
Option B:	reduces the discharge of a turbine
Option C:	Causes sudden drop in power
Option D:	Suction pressure decreases
Q19.	A gas turbine plant working on Joule cycle produces 4000 kW of power. If its work ratio is 40%, what is the power consumed by the compressor?
Option A:	2000 kW
Option B:	4000 kW
Option C:	6000 kW
Option D:	8000 kW
Q20.	"In a single-stage open-cycle gas turbine, the mass flow through the turbine is higher than the mass flow through compressor, because "
Option A:	The specific volume of air increases by use of intercooler
Option B:	The temperature of air increases in the reheater
Option C:	The combustion of fuel takes place in the combustion chamber



Option D:	The specific heats at constant pressure for incoming air and exhaust gases are equal
Q21.	Which of the following is a type of Gas Turbine Plant?
Option A:	Single Acting
Option B:	Double Acting
Option C:	Open
Option D:	Closed
Q22.	For air standard Brayton cycle, increase in the maximum temperature of the cycle, while keeping the pressure ratio the same would result in
Option A:	Increase in air standard efficiency
Option B:	Decrease in air standard efficiency
Option C:	No change in air standard efficiency
Option D:	Increase in the efficiency but reduction in net work
Q23.	Thrust power is defined as product of _____
Option A:	propulsive power and exit gas velocity
Option B:	thrust and aircraft velocity
Option C:	Thrust and exit gas velocity
Option D:	propulsive power and aircraft velocity
Q24.	The nozzle in jet propulsion engine is used to _____
Option A:	increase the outlet pressure
Option B:	increase the exit gas temperature
Option C:	increase the exit gas velocity
Option D:	atomization
Q25.	Which one these is not an advantage of Jet propulsion system
Option A:	No unbalanced force
Option B:	high speed
Option C:	high specific weight
Option D:	high efficiency

Program: BE Electronics & Telecommunication Engineering

Curriculum Scheme: Revised 2016

Examination: Third Year Semester VI

Course Code: ECCDLO5012 and Course Name: TV & Video Engineering

Time: 1hour

Max. Marks: 50

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Note to the students:- All the Questions are compulsory and carry equal marks .

Q1.	According to Fourier analysis, any composite video signal is a combination of sine waves with
Option A:	Different frequencies amplitude and phase
Option B:	Different frequencies
Option C:	Same frequencies
Option D:	Same frequencies with amplitude and phase
Q2.	What determines the maximum number of vertical picture elements?
Option A:	Number of liner on the screen
Option B:	Number of frames per second
Option C:	Number of fields per second
Option D:	Number of pixels
Q3.	Which TV Camera is designed with much lower cost and smaller size than its earlier size
Option A:	Image Orthicon
Option B:	Plumbicon
Option C:	Vidicon
Option D:	Iconoscope
Q4.	In a composite video signal, what is the relation between the amplitude of signal and the intensity of the electron beam in the receiver picture tube?
Option A:	The greater the amplitude the darker the picture
Option B:	The lower the amplitude the darker the picture
Option C:	The greater the amplitude the lighter the picture
Option D:	The lower the amplitude the lighter the picture
Q5.	Frequency interleaving is the process of ..
Option A:	Placing the chrominance signal in the video signal
Option B:	Placing the luminance signal in the video signal
Option C:	Placing the chrominance signal in the band space between portions of the luminance signal

Option D:	Placing the luminance signal in the band space between portions of the chrominance signal
Q6.	In the CVS signal, peak white level is given at
Option A:	10 %
Option B:	22.5 %
Option C:	15 %
Option D:	12.5 %
Q7.	The main components of composite video signal are
Option A:	Picture information
Option B:	Sync Pulses
Option C:	Brightness information
Option D:	Chroma Signal, Blanking pulse and synchronizing pulses
Q8.	What is the smallest amount of information that can be displayed on a television screen?
Option A:	Blip
Option B:	Burst
Option C:	Bits
Option D:	Pixel
Q9.	Equalizing pulses in TV are sent during
Option A:	Horizontal blanking
Option B:	Vertical blanking
Option C:	The horizontal retrace
Option D:	The serrations
Q10.	Indicate which of the following signals is not transmitted in colour TV
Option A:	Y
Option B:	Q
Option C:	R
Option D:	I
Q11.	In a TV receiver, the colour killer
Option A:	Cuts off the chroma stages during monochrome reception
Option B:	Ensures that no color is transmitted to monochrome receivers
Option C:	Prevents colour overloading
Option D:	Makes sure that the colour burst is not mistaken
Q12.	What is the phase difference between I and Q color signal carriers?
Option A:	0°
Option B:	45°
Option C:	90°
Option D:	180°

Q13.	A frame is equivalent to .... scanning lines
Option A:	525
Option B:	625
Option C:	600
Option D:	500
Q14.	What is the approximate bandwidth occupied by the chrominance video signal for colour TV?
Option A:	0.8 MHz
Option B:	1.8 MHz
Option C:	8.1 MHz
Option D:	1.6 MHz
Q15.	Why FM is not used for picture transmission?
Option A:	Because it require high frequency
Option B:	As its more immune to noise
Option C:	Its sensitive to phase changes
Option D:	All of the above
Q16.	What is the primary purpose of a RF amplifier in a receiver?
Option A:	To vary the receiver image rejection by utilizing the AGC
Option B:	To provide most of the receiver gain
Option C:	To develop the AGC voltge
Option D:	To improve the receiver's noise figure
Q17.	What is the chroma subcarrier signal frequency for colour television?
Option A:	3.8 MHz
Option B:	6.8 MHz
Option C:	7.8 MHz
Option D:	8.8 MHz
Q18.	Aspect ratio for cinemascope is
Option A:	1.78
Option B:	2.35 : 1
Option C:	1.33
Option D:	1.85
Q19.	Total number of scanning lines in HDTV is
Option A:	1125
Option B:	1150
Option C:	1200
Option D:	1080
Q20.	Image warping in LCD display corresponds to
Option A:	Narrower viewing angle than the other TV sets
Option B:	Slow response than the other TV sets

Option C:	Thin display
Option D:	Less resolution
Q21.	The value of kell factor for HDTV is assumed to be
Option A:	0.7
Option B:	0.9
Option C:	0.6
Option D:	0.2
Q22.	The typical value of thickness of liquid layer of LCD's is .... mm
Option A:	0.2
Option B:	0.05
Option C:	0.025
Option D:	0.3
Q23.	What is backplane in LCD
Option A:	The amount of power consumed
Option B:	The ac voltage applied between segment and a common element
Option C:	Adjustment for adjusting intensity of LCD
Option D:	The dc voltage applied between common element and segment
Q24.	LCD operates from a voltage ranges from
Option A:	10 - 15 V
Option B:	3 - 15 V
Option C:	5 - 10 V
Option D:	2-9 V
Q25.	Life span of plasma display is less than LCD
Option A:	True
Option B:	false
Option C:	Both are having same life span
Option D:	Depends on the environment conditions

Program: BE Information Technology

Curriculum Scheme: Revised 2012

Examination: Third Year Semester VI

Course Code: TEITC604 and Course Name: Data Mining and Business Intelligence

Time: 1hour

Max. Marks: 50

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Note to the students:- All the Questions are compulsory and carry equal marks .

Q1.	Which is the first step in data preprocessing?
Option A:	Data integration
Option B:	Data transformation
Option C:	Data cleaning
Option D:	Data reduction
Q2.	Measure of Exactness is
Option A:	confusion matrix
Option B:	Recall
Option C:	F-measure
Option D:	precision
Q3.	Ordinal attributes contain
Option A:	Yes/no type data
Option B:	Categorical data
Option C:	Meaningful sequence or ranking order
Option D:	0 or 1 type data
Q4.	Which of the following is not a data mining functionality?
Option A:	Selection and interpretation
Option B:	Clustering
Option C:	Characteristics and discrimination
Option D:	Classification and regression
Q5.	_____ is a performance management tool that recapitulates an organization's performance from several standpoints on a single page.
Option A:	Balanced Scorecard
Option B:	Data Cube
Option C:	Dashboard
Option D:	Database
Q6.	DIANA and AGNES are examples of which type of clustering method?
Option A:	Hierarchy based
Option B:	Partition based
Option C:	Probability based

Option D:	Density based
Q7.	Key Business Intelligence Issues are
Option A:	Data and technology
Option B:	Organizations and people
Option C:	Top performance
Option D:	Both (a) and (b)
Q8.	Which of the following is also called Discovery of cross-sales opportunities.
Option A:	Segmentation.
Option B:	Correction.
Option C:	Association.
Option D:	Visualization.
Q9.	The Banking Industry at its core offers access to _____.
Option A:	Credit
Option B:	Debit
Option C:	Money
Option D:	Demand
Q10.	When we cut a dendrogram at a desired level we get _____
Option A:	Individual data points
Option B:	Clusters of data points
Option C:	Distances between data points
Option D:	Cluster membership of the data points
Q11.	In data mining, the slice operation performs a selection on _____
Option A:	One dimension
Option B:	Two dimension
Option C:	Multi dimension
Option D:	four dimension
Q12.	The activity of providing support to knowledge workers through the integration of decision-making processes and enabling information technologies is usually referred to as
Option A:	Knowledge Management
Option B:	Data Engineering
Option C:	Data Analysis
Option D:	Data Management
Q13.	Classification does not predicts _____ labels
Option A:	categorical
Option B:	discrete
Option C:	continuous
Option D:	unordered

Q14.	_____ measurements express the level of conformity of a given system to the objectives for which it was designed							
Option A:	Efficiency							
Option B:	Effectiveness							
Option C:	Accuracy							
Option D:	GUI design							
Q15.	Data that can be modeled as dimension attributes and measure attributes are called _____ data.							
Option A:	Multidimensional							
Option B:	Single dimensional							
Option C:	Measured							
Option D:	Dimensional							
Q16.	Movie recommendation system is an example of _____							
Option A:	Classification							
Option B:	Clustering							
Option C:	Regression							
Option D:	Outlier analysis							
Q17.	A _____ is an expert in all the aspects involved in the development of a DSS							
Option A:	Data Analyst							
Option B:	System Integrator							
Option C:	System Administrator							
Option D:	Database Administrator							
Q18.	C4.5 is used to construct							
Option A:	frequent pattern							
Option B:	decision tree							
Option C:	clusters							
Option D:	association rules							
Q19.	Select any one from below is not correct for outliers .							
Option A:	Outliers have an effect on regression parameters.							
Option B:	Outliers are values very different from the rest of the data.							
Option C:	Influential cases will always show up as outliers.							
Option D:	Outliers have an effect on the mean.							
Q20.	For the following confusion matrix,the precision is:							
	<table border="1"> <tr> <td>N=165</td> <td>Predicted No</td> <td>Predicted Yes</td> </tr> <tr> <td>Actual No</td> <td>50</td> <td>10</td> </tr> </table>		N=165	Predicted No	Predicted Yes	Actual No	50	10
N=165	Predicted No	Predicted Yes						
Actual No	50	10						



	Actual Yes	5	100	
Option A:	0.38			
Option B:	0.90			
Option C:	0.33			
Option D:	0.54			
Q21.	In a multi-dimensional analysis if a data cube includes 5 dimensions, and if each of these dimensions includes 3 hierarchical levels, the number of cuboids is equal to			
Option A:	20			
Option B:	15			
Option C:	1024			
Option D:	243			
Q22.	The Serverside clickstream data can be used as			
Option A:	The most common tool for collecting data of the pages visited by website users.			
Option B:	Tool for collecting logs.			
Option C:	Tool to read browser cache			
Option D:	Tool to read network cache			
Q23.	Point out the correct statement.			
Option A:	OLAP is an umbrella term that refers to an assortment of software applications for analyzing an organization's raw data for intelligent decision making.			
Option B:	Business intelligence equips enterprises to gain business advantage from data.			
Option C:	BI makes an organization agile thereby giving it a lower edge in today's evolving market condition.			
Option D:	Programs are not dependent on the logical attributes of data.			
Q24.	Select one which define "Global outlier"			
Option A:	A subset of data objects collectively deviate significantly from the whole data set, even if the individual data objects may not be outliers.			
Option B:	Object deviates from the rest of the data set			
Option C:	Object deviates significantly based on a selected context.			
Option D:	The population of outliers is typically much smaller than that of normal objects.			
Q25.	Consider your data set consist too many outliers, select any one of following which is the most representative average value?			
Option A:	mean			
Option B:	average			
Option C:	median			
Option D:	mode			

Program: BE Instrumentation Engineering

Curriculum Scheme: Revised 2012

Examination: Third Year Semester VI

Course Code: ISC604 and Course Name: Application of Microcontroller II

Time: 1hour

Max. Marks: 50

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**Note to the students: - All Questions are compulsory and carry equal marks.**

Q1.	What does API stand for?
Option A:	address programming interface
Option B:	application programming interface
Option C:	accessing peripheral through interface
Option D:	address programming interface
Q2.	This is not the example of Embedded System
Option A:	Keyboard
Option B:	Mouse
Option C:	PC
Option D:	Printer
Q3.	What is CISC?
Option A:	Computing instruction set complex
Option B:	Complex instruction set computing
Option C:	Complimentary instruction set computing
Option D:	instruction set complementary
Q4.	Which of the following is a RISC architecture?
Option A:	80286
Option B:	PIC18F
Option C:	ZILOG Z80
Option D:	8051
Q5.	PIC stands for
Option A:	Programming Interface Control
Option B:	Peripheral International Control
Option C:	Programmable Interface Counter
Option D:	Peripheral Interface Control
Q6.	Size of PIC18F Microcontroller is
Option A:	8 bits
Option B:	16 bits
Option C:	24 bits
Option D:	32 bits

Q7.	Which operational feature of PIC allows it to reset especially when the power supply drops the voltage below 4V?
Option A:	Built-in Power Reset
Option B:	Brown out reset
Option C:	Power Saving mode
Option D:	Auto Reset
Q8.	How many timers inbuilt in PIC 18F Microcontroller
Option A:	2
Option B:	4
Option C:	8
Option D:	12
Q9.	How many pins used in PIC 18F Microcontroller
Option A:	20
Option B:	40
Option C:	48
Option D:	60
Q10.	MOVF PORTB, W This instruction used for
Option A:	Copy data from PORTB to W register
Option B:	Copy data from W to PORTB
Option C:	Copy data from PORTB to F
Option D:	Copy data from F to W
Q11.	What is the size of status register in PIC 18F
Option A:	4 bits
Option B:	8 bits
Option C:	12 bits
Option D:	16 bits
Q12.	When you copy 00H to TRISB register means PORT B acts as a
Option A:	Input Port
Option B:	Output Port
Option C:	Latch
Option D:	Unlatch
Q13.	How many ports used in PIC 18F Microcontroller
Option A:	4
Option B:	5
Option C:	8
Option D:	10
Q14.	BSF Instruction used to
Option A:	Set Port bit
Option B:	Clear Port bit
Option C:	Set port
Option D:	Clear Port

Q15.	DAW instruction stands for
Option A:	Direct Adjust Working register
Option B:	Direct Arithmetic working register
Option C:	Decimal Adjust Working Register
Option D:	Decimal Addition
Q16.	For Complement operation which instruction used in PIC 18F
Option A:	BSF
Option B:	BCF
Option C:	CPFSGT
Option D:	NEGF
Q17.	MOVLW 0X25 This instruction is
Option A:	Immediate addressing mode
Option B:	Direct addressing mode
Option C:	Indirect addressing mode
Option D:	Indexed addressing mode
Q18.	To set baud rate 9600 SPREG value should be
Option A:	40H
Option B:	81H
Option C:	0FH
Option D:	20H
Q19.	What does ISR stands for
Option A:	Interrupt Standard Routine
Option B:	Interrupt Service Routine
Option C:	Interrupt Software Routine
Option D:	Interrupt Synchronous Routine
Q20.	Which of the following can be used for long distance communication?
Option A:	I2C
Option B:	Parallel Port
Option C:	SPI
Option D:	RS232
Q21.	Which are the two lines used in the I2C?
Option A:	SDA AND SPDR
Option B:	SPDR AND SCL
Option C:	SDA AND SCL
Option D:	SCL AND STATUS LINE
Q22.	Which allows the full duplex synchronous communication between the master and the slave?
Option A:	SPI
Option B:	Serial Port

Option C:	I2C
Option D:	Parallel Port
Q23.	Which of the following is an example of a single task operating system?
Option A:	Android
Option B:	Windows
Option C:	IOS
Option D:	CP/M
Q24.	Which of the following enables the user to utilize the system efficiently?
Option A:	Kernel
Option B:	Operating System
Option C:	Software
Option D:	Hardware
Q25.	RTOS stands for
Option A:	Real Time Operating System
Option B:	Real Time Operation System
Option C:	Real Time Outstanding System
Option D:	Real Timer Operation System