

University of Mumbai
Examination 2020- Inter Cluster

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

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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

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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

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	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