B.TECH(CSE/EEE) - 1ST SEMESTER EXAMINATION; DEC.-2017

SUBJECT: INTRODUCTION TO COMPUTER HARDWARE & SOFTWARE (PAPER CODE = 13020104/13160104)

Time: 03:00 Hrs.

Max Mark:100

Instructions:

- 1. Write your Roll No. on the Question Paper.
- 2. Candidate should ensure that they have been provided with the correct question paper. Complaints in this regards, If any, should be made within 15 minutes of the commencement of the exam. No complaint(s) will be entertained thereafter.
- 3. Each Part is Compulsory. Marks are indicated against each question.
- 4. Draw the diagram wherever required.

PART-A (OBJECTIVE TYPE QUESTIONS OMR SHEETS)

		The state of the s	QUESTIONS OMR S	HEETS)			
A TYT	CEMBE ATT OTHER						
AII	TEMPT ALL QUESTION	ONS:-					
Ų. I	· Convert the binary nu	imber 1001.0010 to deci	nal?		(2)		
	a) 90.125	b) 9.125	c) 125	d) 12.5	(2)		
			•	d) 12.5			
Q. 2.	Convert $(352.25)_6 = (9.25)_6 =$)4 ?:-					
	a) 2030.132	b) 132.2030	c) 2020.123	4) 2220 122	(2)		
		,	c) 2020.123	d) 2230.132			
, Q. 3.	What will be the output of the following code?						
•	Int $i=5$, $j=2$, $k=i\% j$;						
	Printf("%d",k);						
	a) 5	b) 2	2.5	*			
	•	J, 2	c) 2.5	d) 1			
Q. 4.	Which of the following	Which of the following is not a valid name for a C variable:-					
•	a) Hellothere	b) HELLOTHERE	a C variable:-		(2)		
	,	b) HELLOTHERE	c) HELLO_THERE	d) HELLO THERE	, ,		
0.5.	Which of the following statement is correct?:-						
	a) $2*x=y$;	statement is correct?:-			(2)		
	4) 2 K y,	b) $y=2*x;$	c) $x*y=2;$	d) $2*y=x$;	` ,		
0. 6.	What is the memory size used by a variable of float data type?						
Q. 0.	a) 2 Bytes	ze used by a variable of			(2)		
	a) 2 bytes	b) 4 Bytes	c) 1 Byte	d) 8 Bytes	(-)		
0.7	Which of the following function is used to display output?						
Q. /.	which of the following	function is used to displ	ay output?		(2)		
	a) Scanf()	b) clrscr()	c) getch()	d) printf()	(2)		
Λ 8	The former is a	X 4 4		, , , , ,			
Q. o.	The format specifier %	The format specifier %Id is used for which data type?					
	a) int	b) float	c) long int	d) None of these	(2)		
0.0	11/1:1 0:1 0:1		_	a, i i i i i i i i i i i i i i i i i i i			
Q. y.	which of the following	Which of the following is called as equal to operator?:-					
	a) !=	b) ==	c) &&	d)	(2)		
0.10	****		,	4 7 11			
Q. 10.	Which of the following	is valid statement?			(3)		
	a) 1KB=1024 Bytes	b) 1MB=1024 Bytes	c) 1KB=1000 Bytes	d) 1 KB=1000 Bytes	(2)		
			, 1122 1000 Bytes	a) 1 KB-1000 Bytes			
Q. 11.	What is the output of the	e following code?			.		
	#include <stdio.h></stdio.h>	<u>-</u>		·	(2)		
	Void main()						
	{						
	Int i;						
	for(i=2;i<9;i=i+2)						
	{						
]	printf("%d",i);						
	•						

```
a) 24689
                                   b) 246
                                                           c) 2468
                                                                                   d) 2345678
    Q. 12. What is the output of the following code?
                                                                                                                (2)
           #include<stdio.h>
           void main()
            int a=10;b=10;
           a=b+a;
           printf("%d%d",b,a);
          a) 20 30
                                   b) 10 20
                                                           c) 20 10
                                                                                  d) 10 30
   Q. 13. What is the output of the following code?
          #include<stdio.h>
                                                                                                               (2)
          void main()
          int i=2;
          do{
          printf("%d",i);
         i++; }
         while(i <=4);
1
         a) Compile time error
                                  b) Run time error
                                                          c) 432
                                                                                 d) 234
  Q. 14. What is the output of the following code?
         #include<stdio.h>
                                                                                                              (2)
         Void main()
         int a[5]=\{2,3,4,6,7\};
         printf("%d",a[2]);
         a) Compiler time error b) 4
                                                         c) 2
                                                                                 d) 3
 Q. 15. What is the output of the following code?
        #include<stdio.h>
                                                                                                              (2)
        void main()
        int a=1,b=1,c;
        c=a+++b;
        printf("%d%d",a,c);
        a) 12
                                 b) 2 2
                                                        c) 2 1
                                                                                d) 32
Q. 16. Which of the following is a relational operator?
       a) <=
                                b) &&
                                                                                                             (2)
                                                        c) +=
                                                                                d) ||
Q. 17. Which of the following memory is volatile?
       a) RAM
                                b) ROM
                                                                                                             (2)
                                                        c) Hard Disk
                                                                                d) Register
Q. 18. (12347)_8 = (?)_2:-
       a) 001010011100111b) 100010011100101
                                                                                                            (2)
                                                       c) 01001011110111
                                                                               d) 001011011100110
Q. 19. (843.25)_{10} = (?)_2:-
       a) 1011111001.01
                                b) 1101001011.01
                                                                                                            (2)
                                                       c) 1101001011.10
                                                                               d) 1011001001.01
Q. 20. What is the appropriate word for printf()?:-
      a) Keyword
                               b) Built in function
                                                                                                            (2)
                                                       c) Variable
                                                                               d) Data Type
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Q. 21.	Hexadecimal number l			(2)		
d	a) True	b) False				
0.22	. LAN/MAN/WAN are types of network topology:-			(2)		
_	a) True	b) False	•			
•		1		(2)		
Q. 23.	3. Match the operators type:- A) Arithmetic I) ++,					
	A) Arithmetic	11) &&,				
	B) Relational C) Logical	11) &&;; † 111) +,-,*,/				
	D) Unary	IV) <,>,<=,>=	•			
	a) A-1, B-II, C-III, D-	IV	b) A-III, B-IV, C-II, D-I			
	c) A-IV, B-III, C-II, I)-I	d) A-III, B-IV, C-1, D-II			
	,		•	(2)		
Q. 24	Match the following:-A) Printf()	I) Data Type				
	B) <stdio.h></stdio.h>	II) Built in function				
	C) if-else	III) Conditional states	ment			
	D) int	IV) Header file				
		13.7	b) A-III, B-IV, C-II, D-I			
	a) A-1, B-11, C-111, D-		d) A-IV, B-II, C-III, D-I			
ţ	c) A-II, B-IV, C-III, I	J-1	u)	()		
0. 25	. Match the following:-			(2)		
•	A) Hard Disk	I) Network				
	B) Keyboard	II) Input Device	•			
	C) Printer	III) Output Device				
	D) WAN	IV) Secondary Storag	ge			
••	a) A-1, B-11, C-111, D	-IV	b) A-III, B-IV, C-II, D-I			
	c) A-IV, B-III, C-II, D-I		d) A-IV, B-II, C-III, D-I			
		PART-R (DESC	RIPTIVE TYPE)			
		IAKI D(DESC		•		
SHO	ORT ANSWER TYPE	QUESTIONS (attempt	All questions):-	(5)		
Q.1.	Q.1. Write a program to find largest of three numbers.					
Q.2.	2. Explain all types of network topologies.					
Q.3.	t t t t t t very having a your or odd					
Q.4.						
Q.5.	the state of the s					
XX/10	ITE SHODT NOTES	ON THE FOLLOWING	G TOPICS:	•		
				(8)		
Q.6.	The second of th					
	Q.7. Explain block diagram of a computer in detail.Q.8. What is computer network? Explain all network topologies used in computer network.					
Q.8.	. what is computer ne	awork: Explain an notwo	our cohoradisa assault			
