

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)**ATTEMPT ALL QUESTIONS:-**

- Q. 1. Convert the binary number 1001.0010 to decimal? (2)
 a) 90.125 b) 9.125 c) 125 d) 12.5
- Q. 2. Convert $(352.25)_6 = (?)_4$:- (2)
 a) 2030.132 b) 132.2030 c) 2020.123 d) 2230.132
- Q. 3. What will be the output of the following code? (2)
 Int i=5, j=2, k=i%j;
 Printf("%d",k);
 a) 5 b) 2 c) 2.5 d) 1
- Q. 4. Which of the following is not a valid name for a C variable:- (2)
 a) Hellothere b) HELLOTHERE c) HELLO_THERE d) HELLO THERE
- Q. 5. Which of the following statement is correct?:- (2)
 a) $2*x=y$; b) $y=2*x$; c) $x*y=2$; d) $2*y=x$;
- Q. 6. What is the memory size used by a variable of float data type? (2)
 a) 2 Bytes b) 4 Bytes c) 1 Byte d) 8 Bytes
- Q. 7. Which of the following function is used to display output? (2)
 a) Scanf() b) clrscr() c) getch() d) printf()
- Q. 8. The format specifier %ld is used for which data type? (2)
 a) int b) float c) long int d) None of these
- Q. 9. Which of the following is called as equal to operator?:- (2)
 a) != b) == c) && d) ||
- Q. 10. Which of the following is valid statement? (2)
 a) 1KB=1024 Bytes b) 1MB=1024 Bytes c) 1KB=1000 Bytes d) 1 KB=1000 Bytes
- Q. 11. What is the output of the following code? (2)

```
#include<stdio.h>
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?

```

#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

(2)

Q. 13. What is the output of the following code?

```

#include<stdio.h>
void main()
{
    int i=2;
    do{
        printf("%d",i);
        i++; }
    while(i<=4);
}

```

a) Compile time error b) Run time error c) 4 3 2 d) 2 3 4

(2)

Q. 14. What is the output of the following code?

```

#include<stdio.h>
Void main()
{
    int a[5]={2,3,4,6,7};
    printf("%d",a[2]);
}

```

a) Compiler time error b) 4 c) 2 d) 3

(2)

Q. 15. What is the output of the following code?

```

#include<stdio.h>
void main()
{
    int a=1,b=1,c;
    c=a++ +b;
    printf("%d%d",a,c);
}

```

a) 1 2 b) 2 2 c) 2 1 d) 3 2

(2)

Q. 16. Which of the following is a relational operator?

a) <= b) && c) += d) ||

(2)

Q. 17. Which of the following memory is volatile?

a) RAM b) ROM c) Hard Disk d) Register

(2)

Q. 18. $(12347)_8 = (?)_2$:-

a) 0010100111001111b) 100010011100101 c) 01001011110111 d) 001011011100110

(2)

Q. 19. $(843.25)_{10} = (?)_2$:-

a) 101111001.01 b) 1101001011.01 c) 1101001011.10 d) 1011001001.01

(2)

Q. 20. What is the appropriate word for printf()?:-

a) Keyword b) Built in function c) Variable d) Data Type

(2)

