

41 (NS)

-10-



(English Version)

Instructions :

1. *The question paper has five parts namely A, B, C, D and E. Answer all the five parts.*
2. *For Part-A questions only the first written answers will be considered for evaluation.*

PART - A

Answer all the questions. Each question carries 1 mark.

(20 × 1 = 20)

Select the correct answer from the choices given below.

1) Where is L1 cache located?

(a) Inside the CPU

(b) Outside the CPU

(c) Inside the ALU

(d) In the ROM

2) Boolean Algebra is also called _____

a) Linear algebra

b) Arithmetic algebra

c) Switching algebra

d) Binary algebra

3) The output of 2 input AND Gate is high (1) when

a) one of the input is high

b) both the inputs are high

c) both the inputs are low

4)

Assertion (A) : A stack is a LIFO data structure.

Reasoning (R) : An ordered collection of items where insertion and deletion takes place at different ends.

- a) A is true, R is false
- b) A is true, and R is correct explanation of A
- c) A is false, R is false
- d) None of the above

5) _____ operator is used to define member function outside the class.

- a) .
- b) ::
- c) ;
- d) *

- 6)
- A. The inline function is a compact function.
 - B. Inline function runs faster than normal function.
 - C. Using inline function efficient code can be generated.

3)

- A. The inline function is a compact function.
 - B. Inline function runs faster than normal function.
 - C. Using inline function efficient code can be generated.
- a) A is correct but B is wrong
 - b) A is wrong but C is correct
 - c) B is wrong and C is wrong
 - d) All A, B, C are correct

7) Constructor should be declared in

- a) Private
- c) Protected

- b) Public
- d) Local

8) If a number of classes are derived from a single base class is called

- a) Single inheritance
- c) Multilevel inheritance
- b) Multiple inheritance
- d) Hierarchical inheritance

9) In the given program segment identify the error.

```
void main ( )
```

```
{
```

```
int *ptr, x=18;
```

```
ptr=*x;
```

```
cout<<"\n output is"<<ptr;
```

```
}
```


{

```
int *ptr, x=18;
```

```
ptr=*x;
```

```
cout<<"\n output is"<<ptr;
```

}

a) Unknown identifier

b) Runtime error

c) Invalid indirection

d) Statement missing

}

- a) Unknown identifier
- b) Runtime error
- c) Invalid indirection
- d) Statement missing

10) An example for DBMS software is

- a) ORACLE
- b) C++
- c) HTML
- d) MS-Word

a) ORACLE

b) C++

c) HTML

d) MS-Word

11) Name the SQL command **used** to change the existing data of the table

a) ALTER

b) UPDATE

c) SELECT

d) DELETE

12) MAN stands for _____

a) Metropolitan Area Network

11) Name the SQL command used to change the existing data of the table

a) ALTER

b) UPDATE

c) SELECT

d) DELETE

12) MAN stands for _____

a) Metropolitan Area Network

b) Metrostation Area Network

c) Modern Area Network

d) Middle Allocation Network

13) A communication mode that transmits the data in both directions, but only in one direction at a time.

- a) Simplex
- c) Half duplex

- b) Semi duplex
- d) Full duplex

Software whose source code is available to customers and it can be modified and redistributed without any limitation is _____

- a) Open Source Software
- b) Community Software
- c) Free Software
- d) Free Ware