



STD. XII - CBSE BOARD TEST – 91 (SET - 4)

Date: 27.03.2015 COMPUTER SCIENCE - SOLUTIONS

SECTION - A

- Q.1** (a) INT, For, delete;
- (b) #include <isostream.h>
#include <string.h>
- (c) (i) int myspeed;
(ii) if (myspeed > maxspeed)
(iii) cout << Alert << endl;
- (d) 10 2
10 8
- (e) E - 3 → Sink
E - 3 # 0 → Show
E + 7 → Float
E + 7 # 1 → Show
E - 2 → Sink
E - 2 # 0 → Show
- (f) (i) BCDEFGH
BCDEFGH
(iv) FGHI
FGHI
FGHI
FGHI
- Q.2** (a) One object member variable values assigned to another object member variables is called copy constructor.
- Ex:**
- ```
#include <isostream.h>
#include <conio.h>

Class copy
{
 int, val, fact;
Public : copy (int temp)
{
 val = + temp;
}
```

```

Double calculate ()
{
 fact = 1;
 For (int i = 1; i < val; i++)
 {
 fact = fact * i;
 }
 return fact;
}
};
void main ()
{
 clrscr ();
 int n;
 cout << "Enter Number";
 cin >> n;
 copy obj (n);
 copy cpy = obj;
 cout << n << "factorial is:" << obj. calculate ();
 cout << n << "factorial is:" << cpy. calculate ();
 getch ();
}

```

- (b) \_\_\_\_\_
- (c) \_\_\_\_\_
- (d) (i) Multilevel Inheritance  
 (ii) Wall Area, Color Code  
 (iii) Void Calculate ();  
 (iv) \_\_\_\_\_

- Q.3** (a) \_\_\_\_\_
- (b) \_\_\_\_\_
- (c) \_\_\_\_\_
- (d) \_\_\_\_\_
- (e) \_\_\_\_\_

**Q.4** (a) Void TOWER ()

```

Fstream File;
File . Open ("WRITEUP.TXT", ios :: in);
Char Word [80]; int C = 0;
While (file >> word)
{
 if (strcmp (word, 'tower') == 0)
 C++;
}
cout << "Count of_tower_in file : " << C;
file . close ();
}

```

- (b) \_\_\_\_\_  
 (c) \_\_\_\_\_

**SECTION - B**

(This Python language is not taught in RAO IIT Academy)

**SECTION - C**

**Q.5** (a) \_\_\_\_\_

- (b) (i) SELECT Eno, Name GENDER from table EMPLOYEE  
 (ii) SELECT NAME from EMPLOYEE where GENDER = 'MALE'  
 (iii) SELECT Eno, NAME from EMPLOYEE where DOB BETWEEN '1987 - 01 - 01' and '1991 - 12 - 01'  
 (iv) SELECT FEMALE from EMPLOYEE where DOJ > '1986 - 01 - 01'  
 (v) 2, D01  
 2, D05  
 (vi) DEPARTMENT  
 INFRASTRUCTURE  
 MARKETING  
 MEDIA  
 FINANCE  
 HUMAN RESOURCE  
 (vii) NAME      DEPARTMENT  
 George K      INFRASTRUCTURE  
 Ryma Sen      MEDIA  
 (viii) MAX (DOJ) = 2014 - 11 - 18  
 MIN (DOB) = 1984 - 10 - 19

- (c) \_\_\_\_\_  
 (d) \_\_\_\_\_  
 (e) \_\_\_\_\_  
 (f) \_\_\_\_\_

**Q.6** (a) \_\_\_\_\_

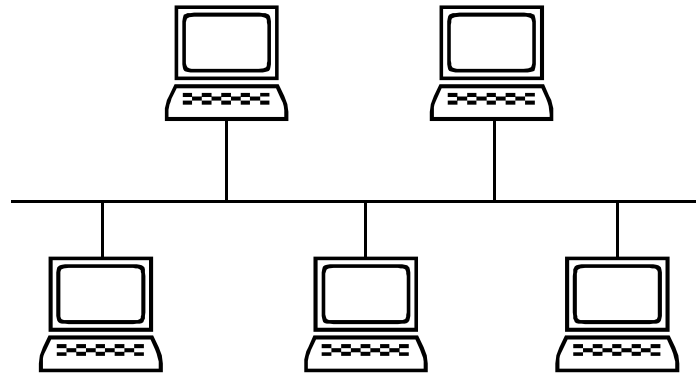
(b) \_\_\_\_\_

(c) POS F (P, Q, R) is

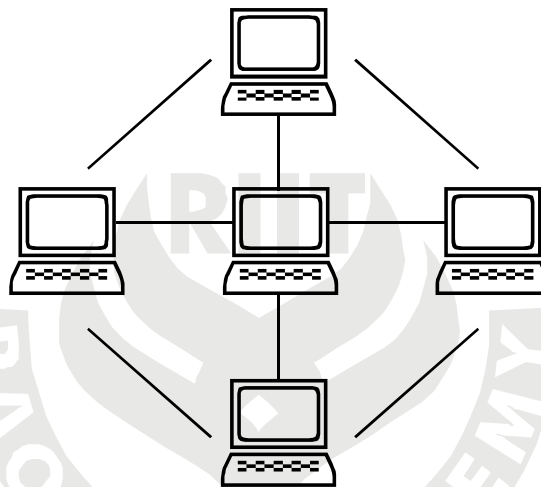
$$(P + Q + \bar{R}) \cdot (P + \bar{Q} + \bar{R}) \cdot (\bar{P} + Q + \bar{R}) \cdot (\bar{P} + \bar{Q} + \bar{R})$$

(d) \_\_\_\_\_

Q.7 (a)



Bus Topology



Star Topology

- (b) Cookies are files stored temporarily on www browser's computer, which allow the www server to store persistent information associated with browsing user.
- (c) Packet switching :
- (i) **Packet switching** : is a communication paradigm in which packets are routed between node over data links shared with other traffic.
- Message switching :
- (i) **Message switching** : was the precursor of packet switching, where messages were routed in one hop at a time.
- (d) \_\_\_\_\_
- (e) Trojan Horse do not replicate themselves but they can be just as destructive.
- (f) \_\_\_\_\_
- (g) (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (iii) \_\_\_\_\_
- (iv) video conferencing