

VIJAY MUKHI'S

C Under DOS Test



RIKU PARIKH
ANUP JALAN
SOHAM DESAI



BPP PUBLICATIONS

Q1. Where is the error, if any?

```
line 1 main()
line 2 {
line 3     printf("Hello World")
line 4 ;}
```

- A. Line 3
- B. Line 4
- C. No error
- D. None of the above

• Time: 15 sec • Marks: 1

Q2. Which line will give an error in this program?

```
line 1 main()
line 2 {
line 3     struct
line 4         {
line 5             int i;
line 6             char c;
line 7         }
line 8     int k;
line 9     printf ("Hello");
line 10 }
```

Ans .

• Time: 30 sec • Marks: 2

Q3. Choose the correct answer:

```

line 1 main(argc,argv)
line 2 {
line 3     int argc;
line 4     char *argv[];
line 5     printf("Hello");
line 6 }
```

- A. There are no errors
- B. Main cannot have parameters
- C. Declaration of parameters argc, argv
should be before curly braces
- D. None of the above

• Time: 30 sec • Marks: 2

Q4. What is the output of this program?

```

line 1 main()
line 2 {
line 3     int i;
line 4     printf("%d",i);
line 5 }
```

- A. Error
- B. God alone knows
- C. 0
- D. 65535

• Time: 15 sec • Marks: 1

Q5. What is the output of this program?

```

line 1 int i;
line 2 main()
line 3 {
line 4     printf("%d",i);
line 5 }
```

Ans :

• Time: 15 sec • Marks: 1

Q6. Are there any errors in this program? <Yes/No>

```

line 1 main()
line 2 {
line 3     static int i;
line 4     i = 10;
line 5     printf("%d",i);
line 6 }
```

Ans :

• Time: 30 sec • Marks: 2

Q7. What will be the output?

```
line 1 struct aaa {  
line 2     struct aaa *prev;  
line 3     int i;  
line 4     struct aaa *next;  
line 5 };  
line 6 main()  
line 7 {  
line 8     struct aaa abc,def,ghi,jkl;  
line 9     int x = 100;  
line 10  
line 11     abc.i = 0; abc.prev = &jkl;  
line 12     abc.next = &def;  
line 13     def.i = 1; def.prev = &abc;  
line 14     def.next = &ghi;  
line 15     ghi.i = 2; ghi.prev = &def;  
line 16     ghi.next = &jkl;  
line 17     jkl.i = 3; jkl.prev = &ghi;  
line 18     jkl.next = &abc;  
line 19  
line 20     x =  
line 21         abc.next->next->prev->next->i;  
line 22     printf("%d",x);  
line 23 }
```

Ans:

• Time: 120 sec • Marks: 4

Q8. What is the output?

```
line 1 aaa()  
line 2 { printf("Hi"); }  
line 3  
line 4 bbb()  
line 5 { printf("Hello"); }  
line 6  
line 7 ccc()  
line 8 { printf("Bye"); }  
line 9  
line 10 main()  
line 11 {  
line 12     int (*ptr[3])();  
line 13     ptr[0]=aaa;  
line 14     ptr[1]=bbb;  
line 15     ptr[2]=ccc;  
line 16     ptr[2]();  
line 17 }
```

Ans:

• Time: 60 sec • Marks: 5

Q9. Will this program compile? <Yes/No>

```
main(){printf("Hello World");};;
```

Ans:

• Time: 15 sec • Marks: 2

Q10. Will this program execute at all times? <Yes/No>

```
line 1 main()
line 2 {
line 3     int a[5];
line 4     a[-2] = 10;
line 5     printf("%d", a[-2]);
line 6 }
```

Ans:

• Time: 30 sec • Marks: 2

Q11. What is the output of the following?

```
line 1 main()
line 2 {
line 3     int a[5];
line 4     a[-2] = 10;
line 5     a[2] = 1;
line 6     printf("%d", -2[a]);
line 7 }
```

- A. God only knows
- B. Compilation Error
- C. 10
- D. -1

• Time: 30 sec • Marks: 2

Q12. What will be the output?

```
line 1 main()
line 2 {
line 3     int i;
line 4     *&i = 10;
line 5     printf("%d", i);
line 6 }
```

- A. 10
- B. Error
- C. God Only Knows
- D. -10

• Time: 45 sec • Marks: 3

Q13. What is the output of the following?

```
line 1 main()
line 2 {
line 3     int i=10;
line 4     printf("%d...", ++i++);
line 5     printf("%d", ++i);
line 6 }
```

- A. 11...13
- B. 12...13
- C. Error
- D. None of the above

• Time: 60 sec • Marks: 3

Q14. What is the output of the following?

```
line 1 main()
line 2 {
line 3     int i = 10;
line 4     i = i / ++i;
line 5     printf("%d",i);
line 6 }
```

- A. 1
- B. 10
- C. Error
- D. God only knows

• Time: 45 sec • Marks: 3

Q15. What is the output of the following?

```
line 1 main()
line 2 {
line 3     int i = 10,a;
line 4     a = i++ / ++i;
line 5     printf("%d...%d",a,i);
line 6 }
```

- A. 1...10
- B. 10...10
- C. Error
- D. God only knows

• Time: 60 sec • Marks: 3

Q16. Will the program compile? <Yes/No>

```
✓ line 1 main()
line 2 {
line 3     struct aaa {
line 4         int i : 4;
line 5         int j : 4;
line 6     };
line 7     struct aaa xyz;
line 8 }
```

Ans:

• Time: 45 sec • Marks: 3

Q17. Is there an error in the following? <Yes/No>

```
line 1 main()
line 2 {
line 3     int i = j = 10;
line 4     printf("%d",i,j);
line 5 }
```

Ans:

• Time: 30 sec • Marks: 2

Q18. Will this compile? <Yes/No>

```
line 1 main()
line 2 {
line 3     struct aaa {
line 4         unsigned int i : 3;
line 5         int j : 2;
line 6         int k : 5;
line 7         int : 3;
line 8         unsigned int l : 2;
line 9         int m : 1;
line 10        );
line 11     struct aaa pqr;
line 12 }
```

Ans:

• Time: 60 sec • Marks: 4

Q19. What will be the output?

```
line 1 main()
line 2 {
line 3     char *p = "ayqm";
line 4     printf("%c", ++*(p++));
line 5 }
```

Ans:

• Time: 60 sec • Marks: 4

X Q20. What will be the output?

```
line 1 main()
line 2 {
line 3     union bbb {
line 4         struct {
line 5             int a : 1;
line 6             int b : 1;
line 7             int c : 1;
line 8             int d : 1;
line 9             int e : 1;
line 10            int f : 1;
line 11            int g : 1;
line 12            int h : 1;
line 13        } aaa;
line 14        char x ;
line 15    };
line 16    union bbb pqr;
line 17
line 18    pqr.aaa.a = pqr.aaa.b =
pqr.aaa.c = pqr.aaa.d = 1;
line 19    pqr.aaa.e = pqr.aaa.f =
pqr.aaa.g = pqr.aaa.h = 1;
line 20
line 21    printf("%d", pqr.x);
line 22 }
```

Ans:

• Time: 90 sec • Marks: 5

Time limit
Q21. What will be the output if zzz.c exists in the current directory?

```
line 1 #include <stdio.h>
line 2 main()
line 3 {
line 4     FILE *fp;
line 5     unsigned char i;
line 6     fp=fopen("zzz.c","r");
line 7     while ( (i=fgetc(fp)) != EOF)
line 8         printf("%c",i);
line 9 }
```

- A.Error
- B.God Only Knows
- C.Contents of zzz.c
- D.Contents of zzz.c followed by an infinite loop

• Time: 60 sec • Marks: 4

Scratch Pad

Q22. What will be the output?

```
line 1 main() 33536
line 2 {
line 3     int i;
line 4     i = 32000 + 1536 + 10 * -o;
line 5     printf("%d",i);
line 6 }
```

- A. 32000
- B. -32000
- C. 0
- D. 33536

• Time: 90 sec • Marks: 5

Q23. Can you add numbers in hex ,octal and decimal in one statement? <Yes/No>

```
line 1 main()
line 2 {
line 3     int i;
line 4     i=0x10+010+10;
line 5 }
```

Ans:

• Time: 15 sec • Marks: 1

D Q24. What will it print?

```

line 1 main()
line 2 {
line 3     int i;
line 4     i=010;
line 5     printf("%d",i);
line 6 }
```

Ans :

• Time: 30 sec • Marks: 2

Q25. What is the output?

```

line 1 main()
line 2 {
line 3     int i;
line 4     i=5/2;
line 5     printf("%d",i);
line 6 }
```

Ans :

• Time: 30 sec • Marks: 2

Q26. What is the output?

```

line 1 main()
line 2 {
line 3     float i;
line 4     i=5/2;
line 5     printf("%f",i);
line 6 }
```

Ans :

• Time: 30 sec • Marks: 3

Q27. What is the output?

```

line 1 main()
line 2 {
line 3     float i;
line 4     i= (float) 1+5/2;
line 5     printf("%f",i);
line 6 }
```

Ans :

• Time: 45 sec • Marks: 4

Q28. What is the output?

```
line 1 main()  
line 2 {  
line 3     float i;  
line 4     i=1+(float)5/(int)2.0 ;  
line 5     printf("%f",i);  
line 6 }
```

Ans:

• Time: 45 sec • Marks: 5

✓ Q29. What is the output?

```
line 1 main()  
line 2 {  
line 3     printf("%d",3.0);  
line 4 }
```

- A. 3
- B. 3.0
- C. Error
- D. God only knows

• Time: 15 sec • Marks: 3

Q30 What will this print?

```
line 1 main()  
line 2 {  
line 3     int i = 0;  
line 4     i=abc();  
line 5     printf("%d",i);  
line 6 }  
line 7  
line 8 abc()  
line 9 {  
line 10 }
```

- A. 0
- B. 65535
- C. Error
- D. God only knows

• Time: 30 sec • Marks: 2

Scratch Pad

Q31. What will this print?

```

line 1 main()
line 2 {
line 3     int i;
line 4     i=abc();
line 5     printf("%d",i);
line 6 }
line 7
line 8 abc()
line 9 {
line 10    _AX=1000;
line 11 }
```

Ans:

• Time: 45 sec • Marks: 6

Q32. Is the program correct? <Yes/No>

```

line 1 char *p;
line 2 main()
line 3 {
line 4     strcpy(p,"hello");
line 5     printf("%s",p);
line 6 }
```

Ans:

No

• Time: 30 sec • Marks: 2

Q33. If the following program (called abc) is run from command line as :

abc monday tuesday wednesday

what will be the output?

```

line 1 main(argc,argv)
line 2 int argc;
line 3 char *argv[];
line 4 {
line 5     printf("%c",++++++argv);
line 6 }
```

Ans:

• Time: 90 sec • Marks: 5

Scratch Pad

Q34. Will the program compile? <Yes/No>

```

line 1 main()
line 2 {
line 3     abc();
line 4 }
line 5
line 6 abc(int i,int j)
line 7 {
line 8     printf("%d...%d",i,j);
line 9 }
```

Ans :

• Time: 30 sec • Marks: 2

Q35. What will be the output?

```

line 1 main()
line 2 {
line 3     printf();
line 4 }
```

- A. 0
- B. -1
- C. Error
- D. God only knows

• Time: 30 sec • Marks: 2

Q36. What will be the output?

```

line 1 main()
line 2 {
line 3     int i=100,j=200;
line 4     printf("%d...%d");
line 5 }
```

- A. 100...200
- B. 200...100
- C. Error
- D. God only knows

• Time: 30 sec • Marks: 2

Q37. What will be the output?

```

line 1 main()
line 2 {
line 3     char *p = "alqc";
line 4     printf("%c...",++*(p++));
line 5     printf("%c",*++p);
line 6 }
```

Ans :

• Time: 60 sec • Marks: 4

Q38. What will be the output?

```

line 1 main()
line 2 {
line 3     char **p = &"abcd";
line 4     printf("%c", *++*p);
line 5 }
```

- A. b
- B. c
- C. Error
- D. God only knows

• Time: 60 sec • Marks: 4

Q39. What will be the output?

```

line 1 main()
line 2 {
line 3     printf("%d", 3|2);
line 4 }
```

Ans:

• Time: 30 sec • Marks: 1

✓ Q40. What will be the output?

```

line 1 main()
line 2 {
line 3     printf("%d", 3&2);
line 4 }
```

Ans:

• Time: 30 sec • Marks: 1

Q41. What will be the output?

```

line 1 main()
line 2 {
line 3     printf("%d", 3||2);
line 4 }
```

Ans:

• Time: 15 sec • Marks: 1

Scratch Pad

Q42. What will be the output?

```

line 1 main()
line 2 {
line 3   printf("%d", 3&&2);
line 4 }
```

Ans: 1

• Time: 15 sec • Marks: 1

Q43. What will be the output?

```

line 1 main()
line 2 {
line 3   printf("%d", 3>2);
line 4 }
```

Ans:

• Time: 15 sec • Marks: 1

Scratch Pad

Q44. What will be the output?

```

line 1 main()
line 2 {
line 3   printf("%d", 3>>2);
line 4 }
```

Ans: 0011
1100

• Time: 30 sec • Marks: 2

Q45. What will be the output?

```

line 1 main()
line 2 {
line 3   printf("%d", 3<2);
line 4 }
```

Ans: 0

• Time: 15 sec • Marks: 1

Scratch Pad

C Under DOS Test

Q46. What will be the output?

```

line 1 main()
line 2 {
line 3   printf("%d", 3<<2);
line 4 }
```

Ans:

• Time: 30 sec • Marks: 2

Q47. What will be the output?

```

line 1 main()
line 2 {
line 3   printf("%d", 3>>2?100:200);
line 4 }
```

Ans:

• Time: 30 sec • Marks: 3

Scratch Pad

C Under DOS Test

Q48. What will be the output?

```

line 1 main()
line 2 {
line 3   int i = 0, j = 1;
line 4   if(i && j++)
line 5     printf("%d...%d", i++, j);
line 6     printf("%d...%d", i, j);
line 7 }
```

Ans:

• Time: 60 sec • Marks: 5

Q49. What will be the output?

```

line 1 main()
line 2 {
line 3   int i = 0, j = 1;
line 4   if(i || j--)
line 5     printf("%d...%d...", i++, j);
line 6     printf("%d...%d", i, j);
line 7 }
```

Ans:

• Time: 45 sec • Marks: 8

C Under DOS Test

Q50. What will be the output?

```

line 1 main()
line 2 {
line 3   printf("%d", 3^2);
line 4 }
```

Ans:

• Time: 15 sec • Marks: 2

Q51. What will be the output?

```

line 1 main()
line 2 {
line 3   int i;
line 4   i = abc();
line 5   printf("%d...", i);
line 6   i = abc();
line 7   printf("%d", i);
line 8 }
line 9
line 10 abc()
line 11 {
line 12   return 10;
line 13   return 100;
line 14 }
```

Ans:

• Time: 30 sec • Marks: 2

$\wedge \rightarrow \text{XOR}$

C Under DOS Test

Q52. What will be the output?

```

line 1 main()
line 2 {
line 3   int i;
line 4   printf("%d", i^i);
line 5 }
```

Ans:

• Time: 15 sec • Marks: 3

Q53. What will be the output?

```

line 1 void main()
line 2 {
line 3   int i;
line 4   i = abc();
line 5   printf("%d...", i);
line 6   i = abc();
line 7   printf("%d", i);
line 8 }
line 9
line 10 static int abc()
line 11 {
line 12   int i = 1;
line 13   return i++;
line 14 }
```

Ans: 2 3 1 .. 1

• Time: 45 sec • Marks: 5

Q54. Is there an error? <Yes/No>

```
line 1 main()
line 2 {
line 3     char a[100];
line 4     a++;
line 5 }
```

Ans:

• Time: 15 sec • Marks: 2

Q55. Is there an error? <Yes/No>

```
line 1 main()
line 2 {
line 3     char a[100];
line 4     abc(a);
line 5 }
line 6
line 7 abc(char a[]);
line 8 {
line 9     a++;
line 10 }
```

Ans:

• Time: 30 sec • Marks: 2

Q56. What will this program print?

```
line 1 main()
line 2 {
line 3     int a[5];
line 4     a[3] = 10;
line 5     printf("%d", *(a+3));
line 6 }
```

Ans: 10

• Time: 45 sec • Marks: 6

Q57. What will be the output ?

```
line 1 main()
line 2 {
line 3     int i;
line 4     for(i = 0; i<=10; i++,
line 5         printf("%d", i));
line 6 }
```

- A. 0 to 10
- B. 1 to 11
- C. Infinite
- D. Gives an error

• Time: 45 sec • Marks: 5

Q58. What will be the output?

```
line 1 main()
line 2 {
line 3 union {
line 4 struct {
line 5     char a;
line 6     char b;
line 7     char c;
line 8     char d;
line 9 } car;
line 10 struct {
line 11     int i;
line 12     int j;
line 13 } in;
line 14 long z;
line 15 } pqr;
line 16
line 17 pqr.car.a = 3;
line 18 pqr.car.b = 2;
line 19 pqr.car.c = 1;
line 20 pqr.car.d = 0;
line 21 printf("%d...%d...%ld",
    pqr.in.i,pqr.in.j,pqr.z);
line 22 }
```

Ans:

Garbage value

• Time: 150 sec • Marks: 8

Q59. What will be the output?

```
long →
+ 65534
line 1 main()
line 2 {
line 3 long i;
line 4 i = 65536+300;
line 5 printf("%d...%d",i);
line 6 }
```

Ans:

• Time: 45 sec • Marks: 5

Q60. What will be the output?

```
line 1 main()
line 2 {
line 3 char *p = "ayqm";
line 4 char c;
line 5 c = ++*p++;
line 6 printf("%c",c);
line 7 }
```

Ans:

• Time: 60 sec • Marks: 3

Q61. What will be the output?

```

line 1 main()
line 2 {
line 3     union {
line 4         struct {
line 5             char a;
line 6             char b;
line 7             char c;
line 8             char d;
line 9         } car;
line 10        struct {
line 11            int i;
line 12            int j;
line 13        } in;
line 14        long z;
line 15        float f;
line 16        double m;
line 17    } pqr;
line 18
line 19 printf("%d",sizeof(pqr));
line 20 }
```

Ans:

• Time: 30 sec • Marks: 2

Q62. What will be the output?

```

line 1 main()
line 2 {
line 3     union {
line 4         union {
line 5             char a;
line 6             char b;
line 7             char c;
line 8             char d;
line 9         } car;
line 10        union {
line 11            char i;
line 12            char j;
line 13        } in;
line 14        char z;
line 15    } pqr;
line 16
line 17 printf("%d",sizeof(pqr));
line 18 }
```

Ans:

• Time: 45 sec • Marks: 4

Scratch Pad

Q63. What will be the output?

```
line 1 int i = 0;
line 2 main()
line 3 {
line 4     int i;
line 5     i = 10;
line 6     {
line 7         int i;
line 8         i = 5;
line 9         printf ("%d...",i);
line 10    }
line 11    printf("%d",i);
line 12 }
```

Ans: 5 ... 10

• Time: 45 sec • Marks: 3

Q64. Will there be an error? <Yes/No>

```
line 1 main()
line 2 {
line 3     {
line 4         {
line 5         }
line 6         }
line 7     }
```

Ans: NO

• Time: 15 sec • Marks: 1

Q65. What will be the output?

```
line 1 main()
line 2 {
line 3     struct {
line 4         int i;
line 5     }xyz;
line 6
line 7     (*xyz)->i = 10;
line 8     printf("%d",xyz.i);
line 9 }
```

- A. Program will not compile
- B. 10
- C. God Only Knows

• Time: 15 sec • Marks: 4

Scratch Pad

Q66. What will be the output?

```

line 1 main()
line 2 {
line 3     struct {
line 4         int i;
line 5         }xyz;
line 6
line 7     (&xyz)->i = 10;
line 8     printf("%d",xyz.i);
line 9 }
```

- A. Program will not compile
- B. 10
- C. God Only Knows

• Time: 30 sec • Marks: 2

Scratch Pad

Q67. What will be the output?

```

line 1 main()
line 2 {
line 3     struct {
line 4         int i;
line 5         }
line 6     *xyz;
line 7
line 8     xyz->i = 10;
line 9     printf("%d",xyz->i);
line 10 }
```

- A. Program will not compile
- B. 10
- C. God Only Knows

• Time: 30 sec • Marks: 2

Scratch Pad

Q68. What will be the output?

```

line 1 main()
line 2 {
line 3     struct {
line 4         int i;
line 5         }*xyz;
line 6
line 7     (*&xyz)->i = 10;
line 8     printf("%d",xyz->i);
line 9 }
```

- A. Program will not compile
- B. 10
- C. God Only Knows

• Time: 45 sec • Marks: 5

Scratch Pad

Q69. What will be the output?

```

line 1 main()
line 2 {
line 3     struct {
line 4         int i;
line 5         }*xyz;
line 6
line 7     (&*xyz)->i = 10;
line 8     printf("%d",xyz->i);
line 9 }
```

- A. Program will not compile
- B. 10
- C. God Only Knows

• Time: 45 sec • Marks: 3

Q70. What will be the output?

```

line 1 main()
line 2 {
line 3     char *p = "ABCDEF";
line 4     printf("%d", -++*p);
line 5 }
```

Ans :

• Time: 60 sec • Marks: 4

Q71. What will be the output?

```
line 1 main()
line 2 {
line 3     struct xyz {
line 4         int i;
line 5     };
line 6     struct xyz *p;
line 7     struct xyz a;
line 8
line 9     p = &a;
line 10    p->i = 10;
line 11    printf("%d", xyz.i);
line 12 }
```

- A. Program will not compile
 - B. 10
 - C. God Only Knows

• Time: 45 sec • Marks: 2

Scratch Pad

Q72. Will this program give a compilation error?
<Yes/No>

<Yes/No>

```
line 1 main()
line 2 (
line 3     printf("Hello\n");
line 4     main();
line 5 )
```

Ans

• Time: 15 sec • Marks: 1

Scratch Pad

Q73. What will be the output?

```

line 1 main()
line 2 {
line 3     struct xyz {
line 4         int i;
line 5     };
line 6     struct xyz *p;
line 7     struct xyz a;
line 8
line 9     p = &a;
line 10    p->i = 10;
line 11    printf("%d", *p.i);
line 12 }
```

- A. Program will not compile
- B. 10
- C. God Only Knows

• Time: 45 sec • Marks: 4

Scratch Pad

Q74. Will this program give a compilation error?
<Yes/No>

```

line 1 main()
line 2 {
line 3     printf("Hello\n");
line 4     (*main)();
line 5 }
```

Ans:

• Time: 15 sec • Marks: 2

Scratch Pad

✓ Q75. What will be the output?

```

line 1 main()
line 2 {
line 3     struct xyz {
line 4         int i;
line 5     };
line 6     struct xyz *p;
line 7     struct xyz a;
line 8
line 9     p = &a;
line 10    p->i = 10;
line 11    printf("%d", (*p).i);
line 12 }
```

- A. Program will not compile
- B. 10
- C. God Only Knows

• Time: 45 sec • Marks: 2

Q76. What will be the output?

```

line 1 main()
line 2 {
line 3     int i = 5;
line 4     printf("%d", i == 6);
line 5 }
```

Ans:

• Time: 30 sec • Marks: 3

✓ Q77. What will be the output?

```

line 1 main()
line 2 {
line 3     struct xyz {
line 4         int i;
line 5     };
line 6     struct xyz *p;
line 7     struct xyz a = {0};
line 8     *p = a;
line 9     p->i = 10;
line 10    printf("%d", a.i);
line 11 }
```

- A. Program will not compile
- B. 0
- C. 10
- D. None of the above

• Time: 45 sec • Marks: 3

Q78. What will be the output?

```

line 1 main()
line 2 {
line 3     int i = 5;
line 4     printf("%d", i == ++i == 6);
line 5 }
```

Ans: 1

• Time: 30 sec • Marks: 2

Q79. What will be the output?

```

line 1 main()
line 2 {
line 3     struct xyz {
line 4         int i;
line 5     };
line 6     struct xyz xyz;
line 7     xyz.i = 10;
line 8     printf("%d",xyz.i);
line 9 }
```

- A. Program will not compile
- B. 10
- C. God Only Knows

• Time: 45 sec • Marks: 4

Q80. What will be the output?

```

line 1 main()
line 2 {
line 3     printf("he"
line 4     "llo");
line 5 }
```

Ans: hello

• Time: 15 sec • Marks: 3

Q81. What will be the output?

```

line 1 struct fprintf {
line 2                         int i;
line 3                     };
line 4 main()
line 5 {
line 6     int fprintf;
line 7     struct fprintf cprintf;
line 8     cprintf.i = 10;
line 9     printf("%d",cprintf.i);
line 10 }
```

- A. Program will not compile
- B. 10
- C. God Only Knows

• Time: 60 sec • Marks: 4

Q82. What will be the output?

```

line 1 main()
line 2 {
line 3     printf("he",
line 4     "llo");
line 5 }
```

Ans:

he

• Time: 30 sec • Marks: 3

Q83. What will be the output?

```

line 1 #include<stdio.h>
line 2
line 3 struct fprintf {
line 4             int i;
line 5         };
line 6
line 7 main()
line 8 {
line 9     int fprintf;
line 10    struct fprintf cprintf;
line 11    cprintf.i = 10;
line 12    printf("%d",cprintf.i);
line 13 }
```

- A. Program will not compile
- B. 10
- C. God Only Knows

• Time: 60 sec • Marks: 3

Scratch Pad

Q84. What is the output?

```

line 1 main()
line 2 {
line 3     long i = 65536 + 65 ;
line 4     printf("%c\n",i);
line 5 }
```

Ans: A

• Time: 30 sec • Marks: 2

Q85. What will be the output?

```

line 1 struct fprintf {
line 2             int i;
line 3         };
line 4 int fprintf;
line 5 main()
line 6 {
line 7     struct fprintf cprintf;
line 8     cprintf.i = 10;
line 9     printf("%d",cprintf.i);
line 10 }
```

- A. Program will not compile
- B. 10
- C. God Only Knows

• Time: 60 sec • Marks: 3

Q86. What will be the output?

```

line 1 #define vmci XYZ
line 2 main()
line 3 {
line 4   printf("vmci...XYZ");
line 5 }
```

Ans:

• Time: 15 sec • Marks: 2

Q87. What will be the output?

```

line 1 main()
line 2 {
line 3   struct xyz {
line 4     int i;
line 5   };
line 6   struct xyz xyz;
line 7   int i = 20;
line 8   xyz.i = 10;
line 9   printf("%d...%d", i, xyz.i);
line 10 }
```

- A. Program will not compile
- B. 10...10
- C. God Only Knows
- D. 20...10

• Time: 45 sec • Marks: 2

Q88. What will be the output?

```

line 1 #define vmci "XYZ" ;
line 2 main()
line 3 {
line 4   char *p = vmci
line 5   printf("%s", p);
line 6 }
```

Ans:

XYZ

• Time: 45 sec • Marks: 3

Q89. What is the result of this program?

```

line 1 main()
line 2 {
line 3   printf("Hello ");
line 4   main();
line 5   printf("World\n");
line 6 }
```

- A. Error
- B. Infinite loop printing Hello
- C. Infinite loop printing Hello World

• Time: 30 sec • Marks: 2

Q90. What will be the output?

```
line 1 main()
line 2 {
line 3     struct xyz {
line 4         int xyz;
line 5     };
line 6     struct xyz xyz;
line 7     xyz.xyz = 10;
line 8     printf("%d",xyz.xyz);
line 9 }
```

- A. Program will not compile
- B. 10
- C. God Only Knows

• Time: 45 sec • Marks: 3

Scratch Pad

Q91. Will there be an error? <Yes/No>

```
line 1 main()
line 2 {
line 3     struct xyz {
line 4         int xyz;
line 5     };
line 6     union xyz {
line 7         int xyz;
line 8     };
line 9 }
```

Ans :

• Time: 30 sec • Marks: 2

Q92. Will there be an error? <Yes/No>

```
line 1 struct xyz {
line 2             int xyz;
line 3             }xyz;
line 4
line 5 main()
line 6 {
line 7     union xyz {
line 8         int xyz;
line 9         }xyz;
line 10 }
```

Ans :

• Time: 30 sec • Marks: 3

Q93. How many times is the for loop executed?

```

line 1 main()
line 2 {
line 3     int i;
line 4     for(i = 0; i = 3; i++)
line 5     printf("%d", i);
line 6 }
```

- A. 4
- B. 3
- C. 0
- D. Infinite
- E. Gives an error

• Time: 45 sec • Marks: 3

Scratch Pad

20A
20B
20C
20D
20E
20F
20G
20H
20I
20J

Q94. What will be the output?

```

line 1 main()
line 2 {
line 3     printf("\nH\ne\nl\nl\no");
line 4 }
```

- A. H
e
l
l
o
- B. H
e
l
l
o
- C. Error
- D. None of the above

• Time: 45 sec • Marks: 2

Scratch Pad

Scratch Pad

Q95. What will be the output?

```
line 1 main()  
line 2 {  
line 3 printf("\nHe\cllo",13);  
line 4 }
```

- A. He
llo
- B. He
llo
- C. llo
- D. None of the above

• Time: 45 sec • Marks: 4

Scratch Pad

Q96. What will be the output?

```
line 1 main()  
line 2 {  
line 3     char a[5];  
line 4     abc(a);  
line 5     printf("%d",a[2]);  
line 6 }  
line 7  
line 8 abc(int a[]){  
line 9 {  
line 10    a++;  
line 11    a[1] = 100;  
line 12 }
```

- A. 100
- B. 0
- C. Error
- D. God only knows

• Time: 60 sec • Marks: 6

Scratch Pad

Q97. What will be the output?

```
line 1 main()
line 2 {
line 3     char a[5];
line 4     abc(a);
line 5     printf("%d",a[4]);
line 6 }
line 7
line 8 abc(int a[])
line 9 {
line 10    a++;
line 11    a[1] = 612;
line 12 }
```

Ans:

• Time: 60 sec • Marks: 6

Scratch Pad

✓ Q98. What will be the output?

```
line 1 main()
line 2 {
line 3     printf("he
line 4     llo");
line 5 }
```

- A. he
llo
- B. he llo
- C. Error
- D. None of the above

• Time: 30 sec • Marks: 2

Scratch Pad

Q99. What will be the output?

```

line 1 main()
line 2 {
line 3     int a[5];
line 4     abc(a);
line 5     printf("%d",a[2]);
line 6 }
line 7
line 8 abc(int a[])
line 9 {
line 10    a++;
line 11    a[1] = 100;
line 12 }
```

Ans:

• Time: 45 sec • Marks: 3

Q100. What will be the output?

```

line 1 main()
line 2 {
line 3     int i;
line 4     i = 32000*10-32000*9;
line 5     printf("%d",i);
line 6 }
```

Ans:

• Time: 30 sec • Marks: 2

Q101. What will be the output?

```

line 1 main()
line 2 {
line 3     int i,j;
line 4     i=300;
line 5     j=10;
line 6     abc(i,j);
line 7 }
line 8
line 9 abc(char i,char j)
line 10 {
line 11     printf("%d...%d",i,j);
line 12 }
```

Ans:

• Time: 30 sec • Marks: 4

Scratch Pad

Q102. What will be the output?

```
line 1 main()
line 2 {
line 3   printf("he\
line 4 nlo");
line 5 }
```

- A. he
llo
- B. henlo
- C. Error
- D. None of the above

• Time: 30 sec • Marks: 2

Q103. What will be the output?

```
line 1 #define vmci XYZ
line 2 main()
line 3 {
line 4   printf("%s",vmci);
line 5 }
```

- A. vmci
- B. XYZ
- C. Error
- D. None of the above

• Time: 30 sec • Marks: 2

Q104. What will be the output?

```
line 1 #define vmci "XYZ"
line 2 main()
line 3 {
line 4   printf("%s",vmci);
line 5 }
```

Ans:

XYZ

• Time: 15 sec • Marks: 1

Q105. What will be the output?

```
line 1 #define vmci "XYZ"; int i=0;
line 2 main()
line 3 {
line 4   char *p = vmci
line 5   printf("%s...%d",p,i);
line 6 }
```

Ans:

XYZ...0

• Time: 30 sec • Marks: 3

Q106. What is the output?

```

line 1 main()
line 2 {
line 3     int i = 400001;
line 4     printf("%d",i);
line 5 }
```

- A. 40000
- B. Error
- C. 0
- D. -25536

• Time: 45 sec • Marks: 3

Scratch Pad

Given Value

= 32767 - 400001

Q107. What will be the output?

```

line 1 #define vmci "XYZ" ; int i=0;
line 2 main()
line 3 {
line 4     char *p = vmci
line 5     abc();
line 6     printf("%s...%d",p,i);
line 7 }
line 8
line 9 abc()
line 10 {
line 11     printf("%d...",i);
line 12 }
```

- A. 0...XYZ...0
- B. 0...vmci...0
- C. Error
- D. None of the above

• Time: 60 sec • Marks: 5

Scratch Pad

i is not define

✓ Q108. What will be the output?

```

line 1 #define vmci "XYZ";int abc();
line 2 main()
line 3 {
line 4     char *p = vmci
line 5     abc();
line 6     printf("%s",p);
line 7 }
line 8
line 9 abc()
line 10 {
line 11     printf("Hello World ");
line 12 }
```

Ans:

• Time: 45 sec • Marks: 5

✓ Q109. What is the output?

```

line 1 main()
line 2 {
line 3     unsigned int i = -1;
line 4     printf ("%d",i);
line 5 }
```

Ans: -1

• Time: 30 sec • Marks: 3

✓ Q110. What will be the output?

```

line 1 #define vmci "XYZ" ; abc() ;
line 2 main()
line 3 {
line 4     char *p = vmci
line 5     abc();
line 6     printf("%s",p);
line 7 }
line 8
line 9 abc()
line 10 {
line 11     printf("Hello World ");
line 12 }
```

Ans: Hello world XYZ

• Time: 45 sec • Marks: 6

✓ Q111. How many times will the program print Hello?

```

line 1 main()
line 2 {
line 3     do {
line 4         printf("Hello\n");
line 5     } while (0);
line 6 }
```

Ans: 1

• Time: 15 sec • Marks: 2

C Under DOS Test

Q112. What will be the output?

```

line 1 main()
line 2 {
line 3     int i,j;
line 4     i = 0;
line 5     j = ~i;
line 6     printf("%d...%d",i,j);
line 7 }
```

Ans: 0 ... -1

• Time: 15 sec • Marks: 3

Q113. What is the output?

```

line 1 main()
line 2 {
line 3     int i = 10, j = 20;
line 4     i ^= j;
line 5     j ^= i;
line 6     i ^= j;
line 7     printf("%d...%d",i,j);
line 8 }
```

Ans:

• Time: 45 sec • Marks: 3

C Under DOS Test

Q114. Will the program compile? <Yes/No>

```

line 1 main()
line 2 {
line 3     struct aaa {
line 4         int i : 4;
line 5         int j : 1;
line 6     };
line 7     struct aaa xyz;
line 8 }
```

Ans: Yes

• Time: 30 sec • Marks: 2

Q115. What is the output of the program?

```

line 1 main()
line 2 {
line 3     char a[5*2/2] = {
line 4         'a','b','v','d','e'};
line 5     printf("%c\n",a[3]);
line 6 }
```

- A. Compilation error
 - B. God alone knows
 - C. v
 - D. d
- (Array must have at least one element)

• Time: 45 sec • Marks: 4

Q116. What is the output of the program?

```
line 1 main()
line 2 {
line 3     char a[5*2/2] = {
line 4         'a','b','v','d','e'};
line 5     printf("%c\n",a[-3]);
line 6 }
```

- A. Compilation error
- B. God alone knows
- C. v
- D. d

• Time: 30 sec • Marks: 2

Q117. What is the output of the program?

```
line 1 main()
line 2 {
line 3     char a[] ;
line 4     a[0] = 'A' ;
line 5     printf("%c",a[0]);
line 6 }
```

- A. Compilation error
- B. God alone knows
- C. A
- D. None of the above

• Time: 15 sec • Marks: 1

Q118. Will this program compile? <Yes/No>

```
line 1 main()
line 2 {
line 3     int i = 10 ;
line 4     for(;i<=10;if(i==11));
line 5         printf("%d..",++i) ;
line 6 }
```

Ans: No

• Time: 30 sec • Marks: 2

Q119. Will the program compile? <Yes/No>

```
line 1 #include <stdio.h>;
line 2 main()
line 3 {
line 4 }
```

Ans: Yes

• Time: 15 sec • Marks: 1

C Under DOS Test

Q120. Is there an error in the following program?
<Yes/No>

```
line 1 void main(void)
line 2 {
line 3 }
line 4 }
```

Ans: No

• Time: 15 sec • Marks: 1

Q121. Will the program compile? <Yes/No>

```
line 1 #include <stdio.h>; int i=0 ;
line 2 main()
line 3 {
line 4 }
```

Ans:

Yes

• Time: 15 sec • Marks: 1

C Under DOS Test

Q122. Will the program compile? <Yes/No>

```
line 1 #include <stdio.h> ; int i=10;
line 2 main()
line 3 {
line 4   printf("%d",i);
line 5 }
```

Ans: No (i is not defined)

• Time: 15 sec • Marks: 3

Q123. Will the program compile in ANSI C? <Yes/No>

```
line 1 #include <stdio.h,dos.h>
line 2 main()
line 3 {
line 4 }
```

Ans:

unable to open 'stdio.h,
dos.h'

• Time: 15 sec • Marks: 1

Q124. Will the program compile? <Yes/No>

```

line 1 main()
line 2 {
line 3 #include <stdio.h> ;
line 4 }
```

Ans: Allow in C (Yes)

• Time: 15 sec • Marks: 1

Q125. Will the program print the value of i? <Yes/No>

```

line 1 main()
line 2 {
line 3 int i=10;
line 4 #include <stdio.h>;
line 5 printf("%d",i);
line 6 }
```

Ans: Yes 10

• Time: 15 sec • Marks: 2

Q126. Will the program compile? <Yes/No>

```

line 1 main()
line 2 {
line 3 FILE *fp;
line 4 int i = 10;
line 5 #include <stdio.h> ; →
line 6 printf("%d",i);
line 7 }
```

Ans:

• Time: 30 sec • Marks: 2

Q127. Will the program abc.c compile? <Yes/No>

```

line 1 // File zzz.h
line 2
line 3 printf("Hello ")
line 4
line 5 // File abc.c
line 6
line 7 main()
line 8 {
line 9 #include "zzz.h" ;
line 10 printf("World");
line 11 }
```

Ans:

• Time: 30 sec • Marks: 4

Q128. Will the program compile? <Yes/No>

```

line 1 main()
line 2 {
line 3     #include <stdio.h>;
line 4     abc();
line 5 }
line 6
line 7 abc()
line 8 {
line 9     FILE *fp;
line 10    int i = 0;
line 11    printf("%d", i);
line 12 }
```

Ans:

• Time: 30 sec • Marks: 2

Scratch Pad

Q129. What will be the output?

```

line 1 main()
line 2 {
line 3     char ***p = "Hello";
line 4     printf("%c", **p);
line 5 }
```

- A. Hello
- B. H
- C. Error
- D. God only knows

• Time: 30 sec • Marks: 2

Scratch Pad

Scratch Pad

Q130. Will the program compile? <Yes/No>

```

line 1 abc()
line 2 {
line 3     FILE *fp;
line 4     int i = 0;
line 5     printf("%d",i);
line 6 }
line 7
line 8 main()
line 9 {
line 10 #include <stdio.h>;
line 11 abc();
line 12 }
```

Ans:

• Time: 30 sec • Marks: 4

Q131. What is the output of the program?

```

line 1 main()
line 2 {
line 3     char *p;
line 4     p = "Hello";
line 5     printf("%c\n",*p[0] );
line 6 }
```

Ans:

• Time: 30 sec • Marks: 2

Q132. What will be the output?

```

line 1 int i;
line 2 i = 10;
line 3 main()
line 4 {
line 5     i = 5;
line 6     printf("%d",i);
line 7 }
```

- A. 10
- B. 5
- C. Error
- D. 0

• Time: 30 sec • Marks: 2

Q133. What will be the output?

```

line 1 main()
line 2 {
line 3     char **p = "Hello";
line 4     printf("%s",p);
line 5 }
```

Ans:

Hello

• Time: 30 sec • Marks: 2

Q134. What will be the output?

```

line 1 main()
line 2 {
line 3     char **p = "Hello";
line 4     printf("%s", *p);
line 5 }
```

- A. Hello
- B. %s
- C. Error
- D. God only knows

• Time: 30 sec • Marks: 3

Q135. What will be the output?

```

line 1 main()
line 2 {
line 3     char **p = "Hello";
line 4     printf("%s", **p);
line 5 }
```

- A. Hello
- B. **p
- C. Error
- D. None of the above

• Time: 30 sec • Marks: 4

Q136. What will be the output?

```

line 1 main()
line 2 {
line 3     char ***p = "Hello";
line 4     printf("%c", ++*p++);
line 5 }
```

- A. f
- B. H
- C. Error
- D. None of the above

• Time: 45 sec • Marks: 3

Q137. What will be the output of abc.exe?

```

line 1 // File zzz.h
line 2
line 3 printf("Hello ");
line 4
line 5 // File abc.c
line 6
line 7 main()
line 8 {
line 9     #include "zzz.h"
line 10    printf("World");
line 11 }
```

Ans:

• Time: 30 sec • Marks: 2

Q138. What will be the output of abc.exe?

```

line 1 // File zzz.h
line 2
line 3 printf("Hello ")
line 4
line 5 // File abc.c
line 6
line 7 main()
line 8 {
line 9 #include "zzz.h"
line 10 ; printf("World");
line 11 }
```

Ans:

• Time: 30 sec • Marks: 4

Q139. What is the output of the program?

```

line 1 main()
line 2 {
line 3     char *p;
line 4     p = "Hello" ;
line 5     printf("%c\n", *p ) ;
line 6 }
```

Ans:

• Time: 45 sec • Marks: 3

Q140. Will the program compile ? <Yes/No>

```

line 1 // File zzz.h
line 2
line 3 int i;
line 4 i = 10 ;
line 5
line 6 // File abc.c
line 7
line 8 main()
line 9 {
line 10 #include "zzz.h"
line 11 int i = 15 ;
line 12 printf("%d\n",i) ;
line 13 }
```

Ans:

• Time: 45 sec • Marks: 3

Scratch Pad

Q141. Is there any error in the program ? <Yes/No>

```

line 1 // File zzz.h
line 2
line 3 int i;
line 4 i = 10 ;
line 5
line 6 // File abc.c
line 7
line 8 #include "zzz.h"
line 9 main()
line 10 {
line 11     int i = 15 ;
line 12     printf("%d\n",i) ;
line 13 }
```

Ans:

• Time: 45 sec • Marks: 3

Q142. What will be the output?

```

line 1 main()
line 2 {
line 3     printf("%c",304);
line 4 }
```

Ans:

• Time: 30 sec • Marks: 4

Q143. Will abc.c compile? <Yes/No>

```

line 1 // File zzz.h
line 2
line 3 abc()
line 4 {
line 5     printf("Hello World\n") ;
line 6 }
line 7
line 8 // File abc.c
line 9
line 10 main()
line 11 {
line 12     #include "zzz.h"
line 13 }
```

Ans:

• Time: 30 sec • Marks: 4

Scratch Pad

Q144. Is there any error in this program? <Yes/No>

```

line 1 #define VMCI
line 2 #ifdef VMCI
line 3 int i = 10 ;
line 4 #endif
line 5 main()
line 6 {
line 7     printf("%d\n",i);
line 8 }
```

Ans:

• Time: 30 sec • Marks: 2

Q145. Interpret the following statement:

void * (* b)(int ab[]);

- A. b is a pointer to a function which takes a pointer to an integer and returns a void
- B. b is a pointer to a function which takes a pointer to an int and returns a pointer to a void
- C. b is a void pointer to an array of integers
- D. b is pointer to function which takes an array of integers and returns a void

• Time: 60 sec • Marks: 5

Q146. What will be the output of abc.exe?

```

line 1 // File zzz.h
line 2
line 3 abc()
line 4 {
line 5     printf("Hello ");
line 6 }
line 7
line 8
line 9 // File abc.c
line 10
line 11 #include "zzz.h"
line 12 main()
line 13 {
line 14     abc();
line 15     printf("World");
line 16 }
```

Ans:

• Time: 30 sec • Marks: 2

Scratch Pad

Q147. What is the output of the program?

```
line 1 main()
line 2 {
line 3     char *p;
line 4     p = "Hello" ;
line 5     printf("%c\n", *p) ;
line 6 }
```

- A. Hello
- B. H
- C. Error
- D. God only knows

• Time: 45 sec • Marks: 4

Q148. What will be the output?

```
line 1 #define VMCI
line 2 #ifdef VMCI
line 3 int i = 10 ;
line 4 #endif
line 5 main()
line 6 {
line 7     int i = 5;
line 8     printf("%d\n", i);
line 9 }
```

- A. 10
- B. Error
- C. 5

• Time: 30 sec • Marks: 2

Q149. What will be the output?

```
line 1 #define VMCI
line 2 #ifdef VMCI
line 3 int i = 10 ;
line 4 #endif
line 5 main()
line 6 {
line 7     int i = 5;
line 8     printf("%d\n", VMCI);
line 9 }
```

- A. 10
- B. Error
- C. 0

• Time: 45 sec • Marks: 3

Scratch Pad

Q150. What will be the output?

```
line 1 #define VMCI 7
line 2 #ifdef VMCI
line 3 int i = 10 ;
line 4 #endif
line 5 main()
line 6 {
line 7     int i = 5;
line 8     printf("%d\n",VMCI);
line 9 }
```

- A. 10
- B. Error
- C. 7
- D. 5

• Time: 45 sec • Marks: 3

Scratch Pad

Q151. What will be the output?

```
line 1 #define VMCI "hello";
line 2 #ifdef VMCI
line 3 int i = 10 ;
line 4 #endif
line 5 main()
line 6 {
line 7     int i = 5;
line 8     printf("%s ",VMCI)
line 9 }
```

- A. 10
- B. Error
- C. hello

• Time: 45 sec • Marks: 3

Scratch Pad

Q152. What will be the output?

```

line 1 main()
line 2 {
line 3 union {
line 4         int i;
line 5         char j;
line 6     }xyz;
line 7 xyz.i = 300;
line 8 printf("%d",xyz.j);
line 9 }
```

Ans:

• Time: 45 sec • Marks: 2

Q153. What will be the output?

```

line 1 main()
line 2 {
line 3     char *p;
line 4     p = "Hello";
line 5     printf("%d",p[0]);
line 6 }
```

Ans:

• Time: 45 sec • Marks: 3

Q154. What will be the output?

```

line 1 main()
line 2 {
line 3     char *p;
line 4     p = "%d\n";
line 5     printf(p,300);
line 6 }
```

Ans:

• Time: 30 sec • Marks: 2

Q155. What will be the output?

```

line 1 main()
line 2 {
line 3     char *p;
line 4     p = "%d\n";
line 5     p[1] = 'c';
line 6     printf(p,65);
line 7 }
```

Ans:

• Time: 45 sec • Marks: 2

Q156. What will be the output?

```
line 1 main()
line 2 {
line 3     char *p;
line 4     p = "%d\n";
line 5     p++;
line 6     p++;
line 7     printf(p-2,300);
line 8 }
```

Ans:

• Time: 45 sec • Marks: 2

Q157. What will be the output?

```
line 1 main()
line 2 {
line 3     char *p;
line 4     p = "%d\n";
line 5     p++;
line 6     p++;
line 7     printf(p=p-2,65);
line 8 }
```

Ans:

• Time: 45 sec • Marks: 3

Q158. What will be the output?

```
line 1 main()
line 2 {
line 3     char *p;
line 4     p = "%d..%d\n";
line 5     printf(p+4,65);
line 6 }
```

Ans:

• Time: 60 sec • Marks: 4

Scratch Pad

Q159. What will be the output?

```
line 1 int i = 5;
line 2 main()
line 3 {
line 4     int i = 4;
line 5     abc(i=i/4);
line 6     printf("%d",i);
line 7 }
line 8
line 9 abc(int i)
line 10 {
line 11     return i/2;
line 12 }
```

- A. Error
- B. 5
- C. 1
- D. 0

• Time: 60 sec • Marks: 4

Scratch Pad

Q160. What will be the output?

```
line 1 int i = 5;
line 2 main()
line 3 {
line 4     int i = 4;
line 5     abc(i++=i/4);
line 6     printf("%d",i);
line 7 }
line 8
line 9 abc(int i)
line 10 {
line 11     return i/2;
line 12 }
```

- A. Error
- B. 2
- C. 1
- D. 0

• Time: 45 sec • Marks: 6

Scratch Pad

Q161. What will be the output?

```

line 1 int i = 5;
line 2 main()
line 3 {
line 4     int i = 4;
line 5     i = abc(i=i/4);
line 6     printf("%d",i);
line 7 }
line 8
line 9 abc(int i)
line 10 {
line 11     return i/2;
line 12 }
```

- A. Error
- B. 2
- C. 1
- D. 0

• Time: 60 sec • Marks: 4

Scratch Pad

Q162. What will be the output?

```

line 1 int i = 5;
line 2 main()
line 3 {
line 4     int i = 4;
line 5     abc(i/4);
line 6     printf("%d",i);
line 7 }
line 8
line 9 abc(int i)
line 10 {
line 11     return i/2;
line 12 }
```

- A. Error
- B. 4
- C. 2
- D. 0

• Time: 60 sec • Marks: 4

Scratch Pad

Q163. What will be the output?

```

line 1 int i = 5;
line 2 main()
line 3 {
line 4     int i = 4;
line 5     printf("%d",abc(i=i/4));
line 6 }
line 7
line 8 abc(int z)
line 9 {
line 10    return i/2;
line 11 }
```

- A. Error
- B. 5
- C. 2
- D. 0

• Time: 60 sec • Marks: 4

Scratch Pad

Q164. How many times will the program print HELLO?

```

line 1 main()
line 2 {
line 3     unsigned int i;
line 4     for(i=-10;i>=-1;i--)
line 5         printf("HELLO");
line 6 }
```

Ans:

• Time: 30 sec • Marks: 4

Q165. What will be the output?

```

line 1 #define { Begin
line 2 #define } End
line 3
line 4 main()
line 5 Begin
line 6     printf("Hello");
line 7 End
```

- A. Error
- B. Hello
- C. God only knows

• Time: 15 sec • Marks: 2

Q166. What will be the output?

```

line 1 #define MAIN main()
line 2 #define Begin {
line 3 #define End }
line 4
line 5 MAIN
line 6 Begin
line 7 printf("Hello");
line 8 End

```

Ans:

• Time: 15 sec • Marks: 3

Q167. What will be the output?

```

line 1 main()
line 2 {
line 3     unsigned int i;
line 4     for(i=-10;i<=-1;i--)
line 5         printf("%d",i);
line 6 }

```

- A. Compilation error
- B. -10,-9,-8,-7,-6,-5,-4,-3,-2,-1,
- C. Program goes into an infinite loop
- D. Runtime error

• Time: 45 sec • Marks: 4

Q168. What will be the output?

```

line 1 main()
line 2 {
line 3     unsigned int i;
line 4     for(i=-10;i<=-1;i++)
line 5         printf("%d",i);
line 6 }

```

- A. Compilation error
- B. -10,-9,-8,-7,-6,-5,-4,-3,-2,-1,
- C. Program goes into an infinite loop
- D. Runtime error

• Time: 45 sec • Marks: 4

Q169. Is there any error in the program? <Yes/No>

```

line 1 #define zzz int *
line 2 main()
line 3 {
line 4     zzz i,j;
line 5     *j = 10;
line 6 }

```

Ans:

• Time: 30 sec • Marks: 3

Q170. What is the output ?

```

line 1 struct xxx {
line 2             int i;
line 3             char j;
line 4         };
line 5
line 6 main()
line 7 {
line 8     struct xxx zzz = { 10,'a' };
line 9     abc(zzz);
line 10 }
line 11
line 12 abc(struct xxx a)
line 13 {
line 14     printf("%d...%c",a.i,a.j) ;
line 15 }
```

Ans :

• Time: 60 sec • Marks: 3

Scratch Pad

Q171. What is the output ?

```

line 1 struct xxx {
line 2             int i;
line 3             char j;
line 4         };
line 5
line 6 main()
line 7 {
line 8     struct xxx zzz = { 110,65 };
line 9     abc(zzz);
line 10 }
line 11
line 12 abc(struct a)
line 13 {
line 14     printf("%d...%c",a.i,a.j) ;
line 15 }
```

- A. Error
- B. 110...A
- C. 110...65
- D. None of the above

• Time: 45 sec • Marks: 3

C Under DOS Test

Q172. What is the output ?

```

line 1 main()
line 2 {
line 3     char a[4] = {'x','y','z'};
line 4     printf("%s\n",a);
line 5 }
```

Ans :

• Time: 30 sec • Marks: 3

Q173. What is the output ?

```

line 1 main()
line 2 {
line 3     int i = 40000u;
line 4     printf("%d",i);
line 5 }
```

- A. 40000
- B. Error
- C. 0
- D. -25536

• Time: 30 sec • Marks: 2

C Under DOS Test

Q174. What is the output ?

```

line 1 main()
line 2 {
line 3     char a = 'ZBC';
line 4     printf("%c",a);
line 5 }
```

- A. Error
- B. Z
- C. God only knows
- D. ZBC

• Time: 30 sec • Marks: 3

Q175. Will the program compile? <Yes/No>

```

line 1 main()
line 2 {
line 3     void i ;
line 4 }
```

Ans :

• Time: 15 sec • Marks: 1

Q176. What is the output?

```

line 1 main()
line 2 {
line 3   char a[4] = {'x','y','z',0};
line 4   printf("%s\n",a);
line 5 }
```

Ans:

• Time: 15 sec • Marks: 2

Q177. Interpret the following statement:

```
void (* b)(int * );
```

- A. b is a pointer to a function which takes a pointer to an int and returns a void
- B. Invalid statement
- C. b is pointer to a void which can be type cast as a pointer to int
- D. b is pointer of type int which is a pointer to a void

• Time: 45 sec • Marks: 4

Q178. What is the output?

```

line 1 main()
line 2 {
line 3   int i = abc(100) = 10 ;
line 4   printf("%d\n",i) ;
line 5 }
line 6
line 7 abc(int i)
line 8 {
line 9   return i / 10 ;
line 10 }
```

- A. 0
- B. 1
- C. Error
- D. 10

• Time: 45 sec • Marks: 3

Q179. What is the output?

```

line 1 main()
line 2 {
line 3   char a = 'AB';
line 4   printf("%c",a);
line 5 }
```

Ans:

• Time: 30 sec • Marks: 2

Q180. What is the output?

```

line 1 main()
line 2 {
line 3     int i = abc(100) == 10 ;
line 4     printf("%d\n",i) ;
line 5 }
line 6
line 7 abc(int i)
line 8 {
line 9     return i / 10 ;
line 10 }
```

- A. 0
- B. 1
- C. Error
- D. 10

• Time: 45 sec • Marks: 3

Q181. Interpret the following statement:

```
int (* p)[] ;
```

- A. p is a pointer to an array of ints
- B. p is an array of pointers to int
- C. Invalid Statement
- D. p is a pointer to function that returns an int

• Time: 30 sec • Marks: 2

Q182. What is the output?

```

line 1 main()
line 2 {
line 3     int a = 10 ;
line 4     int i = abc(100*2) == 10 ;
line 5     printf("%d\n",i) ;
line 6 }
line 7
line 8 abc(int i)
line 9 {
line 10     return 'a' ;
line 11 }
```

- A. a
- B. 1
- C. Error
- D. 0

• Time: 45 sec • Marks: 3

Q183. Interpret the following statement:

```
int * p[] ;
```

- A. p is a pointer to an array of ints
- B. p is an array of pointers to int
- C. Invalid Statement

• Time: 30 sec • Marks: 2

Q184. What is the output of the program?

```

line 1 main()
line 2 {
line 3     char a[5*2/2] = {
        'a','b','v','d','e'};
line 4     printf("%c\n",a[3]);
line 5 }
```

- A. Compilation error
- B. God alone knows
- C. v
- D. d

• Time: 30 sec • Marks: 2

Q185. What will be the output?

```

line 1 extern int i;
line 2 main()
line 3 {
line 4     printf ("%d",i);
line 5 }
```

- A. 0
- B. God Only knows
- C. Error

• Time: 30 sec • Marks: 2

Q186. What will be the output?

```

line 1 extern int i = 100 ;
line 2 main()
line 3 {
line 4     printf ("%d",i);
line 5 }
```

Ans:

• Time: 30 sec • Marks: 2

Q187. What will be the output?

```

line 1 main()
line 2 {
line 3     extern int i;
line 4     printf ("%d",i);
line 5 }
```

- A. 0
- B. God only knows
- C. Error

• Time: 30 sec • Marks: 2

Q188. What will be the output?

```

line 1 main()
line 2 {
line 3     extern int i = 100;
line 4     printf ("%d",i);
line 5 }
```

- A. 0
- B. God only knows
- C. Error

• Time: 30 sec • Marks: 2

Q189. What will be the output?

```

line 1 static int i;
line 2 main()
line 3 {
line 4     printf ("%d",i);
line 5 }
```

Ans:

• Time: 30 sec • Marks: 2

Q190. What will be the output?

```

line 1 static int i = 100 ;
line 2 main()
line 3 {
line 4     printf ("%d",i);
line 5 }
```

Ans:

• Time: 30 sec • Marks: 2

Q191. What will be the output?

```

line 1 main()
line 2 {
line 3     static int i;
line 4     printf ("%d",i);
line 5 }
```

Ans:

• Time: 30 sec • Marks: 2

Q192. What will be the output?

```
line 1 main() { static int i;
line 2 {
line 3     static int i = 100;
line 4     printf ("%d",i);
line 5 }
```

Ans:

• Time: 30 sec • Marks: 2

Q193. What will be the output?

```
line 1 auto int i;
line 2 main()
line 3 {
line 4     printf ("%d",i);
line 5 }
```

- A. 0
- B. God only knows
- C. Error

• Time: 30 sec • Marks: 2

Q194. What will be the output?

```
line 1 auto int i = 100 ;
line 2 main()
line 3 {
line 4     printf ("%d",i);
line 5 }
```

storage class 'auto'

is not allowed here.

- A. 0
- B. God only knows
- C. Error
- D. 100

• Time: 30 sec • Marks: 2

Q195. What will be the output?

```
line 1 main()
line 2 {
line 3     auto int i;
line 4     printf ("%d",i);
line 5 }
```

initial value
is garbage

- A. 0
- B. God only knows
- C. Error

• Time: 30 sec • Marks: 2

Q196. What will be the output?

```

line 1 main()
line 2 {
line 3     auto int i = 100;
line 4     printf ("%d",i);
line 5 }
```

Ans: 100

• Time: 30 sec • Marks: 2

Q197. What will be the output?

```

line 1 main()
line 2 {
line 3     int i = 5;
line 4     i = !i > 3;
line 5     printf("%d",i);
line 6 }
```

Ans:

5 7 3 2(7) // = 0

• Time: 45 sec • Marks: 2

Q198. What will be the output?

```

line 1 register int i;
line 2 main()
line 3 {
line 4     printf ("%d",i);
line 5 }
```

- A. 0
 B. God only knows
 C. Error

• Time: 30 sec • Marks: 2

Q199. What will be the output?

```

line 1 register int i = 100 ;
line 2 main()
line 3 {
line 4     printf ("%d",i);
line 5 }
```

- A. 0
 B. God only knows
 C. Error
 D. 100

• Time: 30 sec • Marks: 2

✓ Q200. What will be the output?

```

line 1 main()
line 2 {
line 3     register int i;
line 4     printf ("%d",i);
line 5 }
```

- A. 0
 B. God only knows
 C. Error

initial value
it takes
garbage.

• Time: 30 sec • Marks: 2

✓ Q201. What will be the output?

```

line 1 main()
line 2 {
line 3     register int i = 100;
line 4     printf ("%d",i);
line 5 }
```

Ans: 100

• Time: 30 sec • Marks: 2

✓ Q202. What will be the output?

```

line 1 main()
line 2 {
line 3     register int i;
line 4     printf ("%p",&i);
line 5 }
```

- A. 0
 B. God only knows
 C. Error

must take
address of a memory
location.

• Time: 30 sec • Marks: 2

Q203. What will be the output?

```

line 1 main()
line 2 {
line 3     float i;
line 4     double j;
line 5     printf("%d...%d",sizeof(i),
sizeof(j));
line 6 }
```

Ans: 4...8

• Time: 30 sec • Marks: 2

Q204. What will be the output?

```

line 1 main()
line 2 {
line 3     int i;
line 4     i = abc();
line 5     printf("%d",i);
line 6 }
line 7
line 8 abc()
line 9 {
line 10    return 65538;
line 11 }
```

Ans: 2

• Time: 30 sec • Marks: 4

Q205. What is the output?

```

line 1 main()
line 2 {
line 3     long i = 65536 + 25665 ;
line 4     printf("%c\n",i);
line 5 }
```

Ans:

• Time: 45 sec • Marks: 4

Q206. What will be the output?

```

line 1 main()
line 2 {
line 3     int i = 5;
line 4     i = i+++++i;
line 5     printf("%d",i);
line 6 }
```

- A. 11
- B. 12
- C. Error
- D. 13
- E. God only knows

• Time: 45 sec • Marks: 3

Scratch Pad

Value required.

✓ Q207. What will be the output?

```
line 1 main()
line 2 {
line 3     int i = 5;
line 4     i = i++ + ++i;
line 5     printf("%d",i);
line 6 }
```

- A. 11
- B. 12
- C. Error
- D. 13
- E. God only knows

• Time: 45 sec • Marks: 6

Scratch Pad

$$6 + 7 = 13$$

✓ Q208. What will be the output?

```
line 1 main()
line 2 {
line 3     int i = 5;
line 4     i = -i++ + ++i;
line 5     printf("%d",i);
line 6 }
```

- A. 1
- B. 0
- C. Error
- D. -13
- E. God only knows

• Time: 45 sec • Marks: 6

Scratch Pad

Q209. What will be the output?

```

line 1 main()
line 2 {
line 3     static int i = 100;
line 4     abc();
line 5 }
line 6 abc()
line 7 {
line 8     printf("%d", i);
line 9 }
```

- A. 100
- B. 0
- C. Error
- D. None of the above

• Time: 45 sec • Marks: 3

Q210. What will be the output?

```

line 1 main()
line 2 {
line 3     printf("\nH\nre\nll\nro");
line 4 }
```

- A. H
- B. o
- C. Error
- D. ol

• Time: 45 sec • Marks: 4

H
e
l
l
o

Q211. What will be the output?

```

line 1 main()
line 2 {
line 3     abc();
line 4 }
line 5 static int i = 100;
line 6 abc()
line 7 {
line 8     printf("%d", i);
line 9 }
```

Ans: 100

• Time: 45 sec • Marks: 3

Scratch Pad

i is globally defined
 but it is not available
 to main function it
 is only available to
 other function abc()
 or etc defined below
 its declaration so
 since i is known
 to abc() function so the
 answer is 100.

✓ Q212. What will be the output?

```

line 1 static int i = 100;
line 2 main()
line 3 {
line 4     static int i = 200;
line 5     abc();
line 6     printf("%d",i);
line 7 }
line 8 abc()
line 9 {
line 10    printf("%d...",i);
line 11 }
```

Ans: 100...200

• Time: 45 sec • Marks: 3

✓ Q213. What will be the output?

```

line 1 main()
line 2 {
line 3     char *p;
line 4     p = "Hello ", "World";
line 5     printf("%s",p);
line 6 }
```

Ans: Hello

• Time: 30 sec • Marks: 4

✓ Q214. What will be the output?

```

line 1 static int i = 100;
line 2 main()
line 3 {
line 4     static int i = 200;
line 5     abc();
line 6     printf("%d...",i);
line 7 }
line 8 abc()
line 9 {
line 10    static int i = 300;
line 11    printf("%d...",i);
line 12 }
```

Ans:

• Time: 45 sec • Marks: 3

✓ Q215. What will be the output?

```

line 1 main()
line 2 {
line 3     char *p;
line 4     p = "Hello " "World";
line 5     printf("%s",p);
line 6 }
```

Ans:

• Time: 30 sec • Marks: 2

Q216. What will be the output in the large memory model?

```
line 1 main()
line 2 {
line 3     struct xxx { char i;
line 4             int j; } *p;
line 5     printf("%d", sizeof(p));
line 6 }
```

Ans:

• Time: 30 sec • Marks: 2

Q217. What will be the output?

```
line 1 main()
line 2 {
line 3     char p[5] = { , , 2 , 3 , };
line 4     printf("%d..%d..",
line 5         p[1], p[2]);
line 6     printf("%d..%d", p[3], p[4]);
line 7 }
```

Ans:

• Time: 30 sec • Marks: 2

Q218. What will be the output?

```
line 1 main()
line 2 {
line 3     char *p;
line 4     p = "Hello";
line 5     printf("%.3s", p);
line 6 }
```

Ans:

• Time: 30 sec • Marks: 3

Q219. What will be the output?

```
line 1 main()
line 2 {
line 3     long i = 30000;
line 4     printf("%d", i);
line 5 }
```

Ans:

• Time: 45 sec • Marks: 2

Q220 What will be the output?

```
line 1 main()  
line 2 {  
line 3     unsigned long i = 100000;  
line 4     printf("%l",i);  
line 5 }
```

Ans :

• Time: 30 sec • Marks: 2

Q221. What will be the output?

```
line 1 main()  
line 2 {  
line 3     unsigned long i = 100000;  
line 4     printf("%ld",i);  
line 5 }
```

Ans :

• Time: 30 sec • Marks: 2

Q222. What will be the output?

```
line 1 main()  
line 2 {  
line 3     unsigned long i = 65536 +  
            34464 ;  
line 4     printf("%u",i);  
line 5 }
```

Ans :

• Time: 30 sec • Marks: 2

Q223. What will be the output?

```
line 1 main()  
line 2 {  
line 3     unsigned long i = 65536 +  
            34464 ;  
line 4     printf("%ul",i);  
line 5 }
```

Ans :

• Time: 30 sec • Marks: 2

Q224. What will be the output?

```
line 1 main()
line 2 {
line 3     unsigned long i = 100000;
line 4     printf("%lu",i);
line 5 }
```

Ans:

• Time: 30 sec • Marks: 2

Q225. What will be the output?

```
line 1 main()
line 2 {
line 3     int i = 10;
line 4     printf("\n",&i);
line 5     printf("...%d",i);
line 6 }
```

Ans: ...10

• Time: 45 sec • Marks: 6

✓ Q226. What will be the output?

```
line 1 main()
line 2 {
line 3     int i;
line 4     i=65536+1;
line 5     printf("%d\n",i);
line 6 }
```

65536
32767
-32769
-32768
+32767

Ans: +1

• Time: 30 sec • Marks: 2

Q227. What will be the output?

```
line 1 main()
line 2 {
line 3     signed char i = -1;
line 4     unsigned char j = 256;
line 5
line 6     if (i == j)
line 7         printf("hi");
line 8     else
line 9         printf("Bye");
line 10 }
```

Ans: Bye

• Time: 30 sec • Marks: 2

Q228. What will be the output?

```

line 1 main()
line 2 {
line 3     void abc();
line 4     int i=1;
line 5     i=abc();
line 6     printf("%d\n",i);
line 7 }
line 8
line 9 void abc()
line 10 {
line 11     return 100;
line 12 }
```

- A. 100
- B. 1
- C. Error
- D. None of the above

• Time: 30 sec • Marks: 2

Scratch Pad

Not an allowed type

Q229. What will be the output?

```

line 1 main()
line 2 {
line 3     int i = 10 / 0;
line 4     printf("%d",i);
line 5 }
```

Ans: 10 (always digit present)

• Time: 15 sec • Marks: 3

Q230. What will be the output?

```

line 1 main()
line 2 {
line 3     int i = abc();
line 4     printf("%d",i);
line 5 }
line 6
line 7 void abc()
line 8 {
line 9     return ;
line 10 }
```

- A. 1
- B. 0
- C. Error (Type mismatch of functions) one is int and define void type
- D. None of the above

• Time: 15 sec • Marks: 1

Q231. Will this give an error? <Yes/No>

```
line 1 main()
line 2 {
line 3   5 + 3 ;
line 4 }
```

Ans: No

• Time: 15 sec • Marks: 2

Q232. Will the program give an error? <Yes/No>

```
line 1 main()
line 2 {
line 3   void abc();
line 4   abc();
line 5 }
line 6
line 7 void abc()
line 8 {
line 9   return 100;
line 10 }
```

Ans: No (it only give warning
void functions may
not return a value)

• Time: 15 sec • Marks: 2

Q233. What will be the output?

```
line 1 main()
line 2 {
line 3   int i=1;
line 4   i=abc(0);
line 5   printf("%d",i);
line 6 }
line 7
line 8 int abc(int z)
line 9 {
line 10  if ( z )
line 11    return 2;
line 12  else
line 13    return;
line 14 }
```

- A. 1
- B. 2
- C. Error
- D. None of the above

• Time: 45 sec • Marks: 2

Scratch Pad

In this when the function is called, go to its definition and if condition is false so it goes to else part int abc (int z) function return 0. i = abc (0) = true
Answer of i = 0, printf i = 0

Q234. Will the program give an error? <Yes/No>

```
line 1 struct s {  
line 2     int i;  
line 3     char j;  
line 4 };  
line 5 main()  
line 6 {  
line 7     abc ( struct s *p);  
line 8     abc (100) ;  
line 9 }  
line 10  
line 11 abc (struct s *p)  
line 12 {  
line 13 }
```

Ans:

• Time: 45 sec • Marks: 3

Q235. Will this give an error? <Yes/No>

```
line 1 main()  
line 2 {  
line 3     printf("%p\n",main);  
line 4 }
```

Ans:

• Time: 15 sec • Marks: 1

Q236. Will the program give an error? <Yes/No>

```
line 1 struct s {  
line 2     int i;  
line 3     char j;  
line 4 };  
line 5 main()  
line 6 {  
line 7     abc ( struct s *p);  
line 8     abc ((struct s *) 100) ;  
line 9 }  
line 10  
line 11 abc (struct s *p)  
line 12 {  
line 13 }
```

Ans:

• Time: 45 sec • Marks: 2

Q237. What will be the output?

```
line 1 main()  
line 2 {  
line 3     int i = 0 / 0;  
line 4     printf("%d",i);  
line 5 }
```

Ans:

• Time: 15 sec • Marks: 2

C Under DOS Test

Q238. What will be the output?

```

line 1 main()
line 2 {
line 3     goto abc ;
line 4     printf("Hello ");
line 5     abc:
line 6     printf("World");
line 7 }
```

Ans: world

• Time: 15 sec • Marks: 1

Q239. What will be the output?

```

line 1 main()
line 2 {
line 3 /*
line 4     printf("Bye ");
line 5 *
line 6 /
line 7     printf("Hello World");
line 8 }
```

- A. Bye
- B. Hello World
- C. Bye Hello World
- D. Error

• Time: 15 sec • Marks: 2

C Under DOS Test

Q240. What will be the output?

```

line 1 main()
line 2 {
line 3     int a,b=0;
line 4     if ( a=b=1)           → condition
line 5         printf("Hello");
line 6     else
line 7         printf("World");
line 8 }
```

Ans: Hello

• Time: 30 sec • Marks: 2

Q241. What will be the output?

```

line 1 main()
line 2 {
line 3     int a,b=1;
line 4     if ( a=b=0)
line 5         printf("Hello");
line 6     else
line 7         printf("World");
line 8 }
```

Ans: world

• Time: 30 sec • Marks: 2

Q242. Will the following two programs give identical output? <Yes/No>

```
line 1 PRG1.  
line 2 main()  
line 3 {  
line 4     int a,b=0;  
line 5  
line 6     if (a=b=1)  
line 7         printf("%d...%d",a,b);  
line 8 }  
line 9  
line 10 PRG2.  
line 11 main()  
line 12 {  
line 13     int a,b=0;  
line 14  
line 15     if ((a=b)==1)  
line 16         printf("%d...%d",a,b);  
line 17 }
```

Ans :

• Time: 45 sec • Marks: 2

Q243. Will the following two programs give identical output? <Yes/No>

```
line 1 PRG1.  
line 2 main()  
line 3 {  
line 4     int a,b=0;  
line 5  
line 6     if (a=b=1)  
line 7         printf("%d...%d",a,b);  
line 8 }  
line 9  
line 10 PRG2.  
line 11 main()  
line 12 {  
line 13     int a,b=1;  
line 14  
line 15     if ((a=b)==1)  
line 16         printf("%d...%d",a,b);  
line 17 }
```

Ans :

• Time: 45 sec • Marks: 2

Q244. What will be the output?

```

line 1 main()
line 2 {
line 3     printf("%p\n",main());
line 4 }
```

- A. Address of main function
- B. 0
- C. Error
- D. Infinite loop

• Time: 15 sec • Marks: 3

Q245. Will printf() print identical numbers always?

<Yes/No>

```

line 1 main()
line 2 {
line 3     struct
line 4     {
line 5         int i;
line 6     } abc;
line 7     printf("No.1:%p...No.2:%p",
line 8         abc,&abc);
line 9 }
```

Ans:

• Time: 30 sec • Marks: 2

Q246. Is there an error in the program? <Yes/No>

```

line 1 main()
line 2 {
line 3     int abc(int,int,...);
line 4     abc(1,0);
line 5     abc(2,1,0);
line 6     abc(3,2,1,0);
line 7 }
line 8
line 9 abc(int i,int j,...)
line 10 {
line 11     int x;
line 12     int *p = &j;
line 13
line 14     for (x=0;x<i;x++)
line 15     {
line 16         printf("%d...",*p);
line 17         p++;
line 18     }
line 19 }
```

Ans:

• Time: 60 sec • Marks: 6

Q247. What is the output of the program?

```

line 1 #ifndef VMCI
line 2 #error I love VMCI
line 3 #endif
line 4 main()
line 5 {
line 6     printf("Hello World");
line 7 }
```

- A. Hello World
- B. I love VMCI
- C. ERROR I LOVE VMCI
- D. Will not compile

• Time: 45 sec • Marks: 5

Q248. What will be the output?

```

line 1 main()
line 2 {
line 3     unsigned int i=-2;
line 4     if ( i < 0 )
line 5         printf("hello");
line 6 }
```

- A. hello
- B. Nothing
- C. Error

• Time: 30 sec • Marks: 2

D
Q249. How many times will Hello be printed by the following program ?

```

line 1 main()
line 2 {
line 3     int i = 5;
line 4     while(i)
line 5     {
line 5         i--;
line 6         if (i==3)
line 7             continue;
line 8         printf("\nHello");
line 9     }
line 10 }
```

Ans:

• Time: 60 sec • Marks: 2

Scratch Pad

Q250. What will be the output?

```
line 1 enum COLORS  
        {BLACK, BLUE, GREEN};  
  
line 2  
line 3 main()  
line 4 {  
line 5     printf("%d...%d...%d",  
            BLACK, BLUE, GREEN);  
line 6 }
```

Ans:

0 ... 1 ... 2

• Time: 45 sec • Marks: 2

Q251. What is the output?

```
line 1 #define i j  
line 2 main()  
line 3 {  
line 4     int i = 10;  
line 5     printf("%d", j);  
line 6 }
```

Ans:

10

• Time: 15 sec • Marks: 1

Q252. What is the output?

```
line 1 #if 0  
line 2 int i;  
line 3 #endif  
line 4  
line 5 main()  
line 6 {  
line 7     i = 10;  
line 8     printf("%d", i);  
line 9 }
```

- A. 10
- B. 0
- C. Error
- D. God only knows

• Time: 15 sec • Marks: 1

Q253. What is the output?

```
line 1 main()  
line 2 {  
line 3     int _printf = 10 ;  
line 4     printf("%d", _printf);  
line 5 }
```

Ans:

10

• Time: 15 sec • Marks: 2

Q254. What is the output?

```
line 1 #if HELLO
line 2 int i;
line 3 #endif
line 4
line 5 main()
line 6 {
line 7     i = 10;
line 8     printf("%d",i);
line 9 }
```

- A. HELLO
- B. 0
- C. 10
- D. Error

• Time: 15 sec • Marks: 1

Scratch Pad

Q255. What is the output?

```
line 1 #if 1
line 2 int i;
line 3 #endif
line 4
line 5 main()
line 6 {
line 7     int i = 10;
line 8     printf("%d",i);
line 9 }
```

Ans:

• Time: 15 sec • Marks: 2

Q256. What is the output?

```
line 1 main()
line 2 {
line 3     int printf = 10 ;
line 4     printf("%d",printf);
line 5 }
```

function call
not properly

- A. Error on line 3
- B. Error on line 4
- C. 10
- D. 0

• Time: 15 sec • Marks: 1

Q257. What is the output?

```
line 1 #define aaa(a,c) a='A'-c
line 2 main()
line 3 {
line 4   printf("%d\n",aaa(10,60));
line 5 }
```

- A. Error
- B. 5
- C. 10
- D. 0

• Time: 45 sec • Marks: 3

Q258. What is the output?

```
line 1 #define aaa(a,c) a='A'-c
line 2 main()
line 3 {
line 4   int a;
line 5   printf("%d\n",aaa(a,60));
line 6 }
```

- A. Error
- B. 5
- C. 10
- D. 0

• Time: 45 sec • Marks: 4

Q259. Is there any error in the program? <Yes/No>

```
line 1 main()
line 2 {
line 3   typedef struct
line 4   {
line 5     int i;
line 6   } aaa;
line 7   int aaa;    → member are
line 8 }
```

not declared
this type

Ans :

• Time: 15 sec • Marks: 2

Q260. What is the output?

```
line 1 main()
line 2 {
line 3   typedef struct
line 4   {
line 5     int i;
line 6   } aaa;
line 7   aaa aaaa;
line 8   printf("%d", aaaa.i = 10);
line 9 }
```

Ans :

• Time: 30 sec • Marks: 2

Q261. In the large memory model, will the program be compiled? <Yes/No>

```

line 1 main()
line 2 {
line 3     int fp;
line 4     int i;
line 5     fp=fopen("zzz.c","r");
line 6     while ( (i=fgetc(fp)) != -1)
line 7         printf("%c",i);
line 8 }
```

Ans:

• Time: 60 sec • Marks: 6

Q262. What is the output?

```

line 1 main()
line 2 {
line 3     int i;
line 4     i = 3+4 + ++3 / 4-3;
line 5     printf("%d\n",i);
line 6 }
```

- A. Error
- B. 5
- C. 4
- D. 11

• Time: 30 sec • Marks: 3

Q263. What is the output?

```

line 1 main()
line 2 {
line 3     int aaa;
line 4     aaa = 10/*5;
line 5     printf("%d\n",aaa);
line 6 }
```

- A. Error
- B. 5
- C. 10
- D. 2

• Time: 15 sec • Marks: 2

Scratch Pad

$$\begin{matrix} 3+4+1-3 \\ 5 \end{matrix}$$

Q264. What is the output?

```
line 1 main()
line 2 {
line 3     int i,j,k;
line 4     i = 0;
line 5     j = 3;
line 6     k = 4;
line 7     i = j + k ++j / k - j;
line 8     printf("%d\n",i);
line 9 }
```

- A. Error
- B. -1
- C. 5
- D. None of the above

• Time: 45 sec • Marks: 2

Scratch Pad

Q265. What is the output?

```
line 1 main()
line 2 {
line 3     int i,j,k;
line 4     i = 0;
line 5     j = 3;
line 6     k = 4;
line 7     i = j + k +++j / - j;
line 8     printf("%d\n",i);
line 9 }
```

Ans:

• Time: 45 sec • Marks: 3

Scratch Pad

Q266. What is the output?

```

line 1 main()
line 2 {
line 3   int i,j,k;
line 4   i = 0;
line 5   j = 3;
line 6   k = 4;
line 7   i = j + k +++++j / k - j;
line 8   printf("%d\n",i);
line 9 }
```

- A. Error
- B. 5
- C. 6
- D. None of the above

• Time: 60 sec • Marks: 3

Scratch Pad

Q267. What is the output?

```

line 1 main()
line 2 {
line 3   int i,j,k;
line 4   i = 0;
line 5   j = 3;
line 6   k = 4;
line 7   i = j + k ++ + ++ j / - j;
line 8   printf("%d\n",i);
line 9 }
```

Ans:

• Time: 60 sec • Marks: 3

Q268. What is the output?

```

line 1 main()
line 2 {
line 3   int i =+ +2;
line 4   printf("%d\n",i);
line 5 }
```

Ans:

• Time: 45 sec • Marks: 3

Q269. What is the output?

```

line 1 main()
line 2 {
line 3     int i,j,k;
line 4     i = 0;
line 5     j = 3;
line 6     k = 4;
line 7     i = + k + ++ j / k ;
line 8     printf("%d\n",i);
line 9 }
```

Ans:

• Time: 60 sec • Marks: 3

Q270. What is the output?

```

line 1 main()
line 2 {
line 3     int i =++2;
line 4     printf("%d\n",i);
line 5 }
```

- A. Error
- B. 3
- C. 2
- D. None of the above

• Time: 30 sec • Marks: 2

Q271. What is the output?

```

line 1 main()
line 2 {
line 3     int i =* 2;
line 4     printf("%d\n",i);
line 5 }
```

- A. Error
- B. 0
- C. 2
- D. None of the above

• Time: 30 sec • Marks: 3

Q272. What is the output?

```

line 1 main()
line 2 {
line 3     int i = 10;
line 4     for(;i<=10;if(i==11))
line 5         printf("%d..",++i);
line 6 }
```

- A. Error
- B. Nothing
- C. 10
- D. None of the above

• Time: 45 sec • Marks: 3

C Under DOS Test

Q273. What is the output?

```

line 1 main()
line 2 {
line 3     int i ;
line 4     if(for(i=0;i<=10;i++)
            printf("%d\n",i));
line 5     printf("hi");
line 6 }
```

- A. Error
- B. prints hi 11 times
- C. prints 0 to 10 and hi
- D. None of the above

• Time: 60 sec • Marks: 3

Q274. Is there any error in the program? <Yes/No>

```

line 1 main()
line 2 {
line 3     int i = 10;
line 4     char a[i];
line 5 }
```

Ans:

• Time: 30 sec • Marks: 2

C Under DOS Test

Q275. Will this program compile at all times ?
<Yes/No>

```

line 1 char a[65000];
line 2 main(){}
line 3 }
```

Ans:

• Time: 30 sec • Marks: 2

Q276. What is the output?

```

line 1 main()
line 2 {
line 3     int i = 10;
line 4     if(i++ == 6)
line 5         printf("six");
line 6     else if(--i == 10)
line 7         printf("ten");
line 8     else if(++i == 10)
line 9         printf("again ten");
line 10 }
```

Ans:

• Time: 45 sec • Marks: 3

Q277. What is the output?

```

line 1 main() <file>
line 2 {
line 3     int i = - - 2;
line 4     printf("%d\n",i);
line 5 }
```

Ans:

• Time: 30 sec • Marks: 3

Q278. What is the output?

```

line 1 main()
line 2 {
line 3     int i = 0 ;
line 4     switch ( i )
line 5     case 0:
line 6         printf("%d\n",i);break;
line 7     case 1:
line 8         printf("%d\n",i);break;
line 9 }
```

- A. Error
- B. 0
- C. 0...1
- D. None of the above

• Time: 30 sec • Marks: 2

Q279. Is there any error? <Yes/No>

```

line 1 main()
line 2 {
line 3     struct xyz
line 4     {
line 5         int i;
line 6     }*pqr;
line 7 }
```

Ans:

• Time: 15 sec • Marks: 1

Q280. Is there any error in the program? <Yes/No>

```

line 1 #define zzz int *
line 2 main()
line 3 {
line 4     zzz i,*j;
line 5     *j = 10;
line 6 }
```

Ans:

• Time: 30 sec • Marks: 2

Q281. What is the output?

```

line 1 main()
line 2 {
line 3     int i = 0;
line 4     switch i
line 5 {
line 6     case 0:
line 7         printf("%d\n",i);break;
line 8     case 1:
line 9         printf("%d\n",i);break;
line 10 }
line 11 }
```

- A. Error
- B. 0
- C. 0...1
- D. None of the above

• Time: 30 sec • Marks: 2

Scratch Pad

Q282. What is the output?

```

line 1 main()
line 2 {
line 3     int i = 0;
line 4     switch ( i )
line 5 {
line 6     case 0:
line 7         i++;
line 8         printf("%d..",i);
line 9     case 1:
line 10        printf("%d..",i);
line 11     case 2:
line 12        printf("%d..",i);
line 13 }
line 14 }
```

Ans:

• Time: 30 sec • Marks: 2

Scratch Pad

Q283. What is the output?

```

line 1 main()
line 2 {
line 3     int i = 0;
line 4     switch ( i )
line 5     {
line 6         case 0:
line 7             i++;break;
line 8             printf("%d..",i);break;
line 9         case 1:
line 10        printf("%d..",i);break;
line 11        case 2:
line 12            printf("%d..",i);break;
line 13    }
line 14    printf("hello world\n");
line 15 }
```

Ans:

• Time: 45 sec • Marks: 2

Scratch Pad

Q284. What is the output?

```

line 1 main()
line 2 {
line 3     int i = 1;
line 4     do{
line 5         printf("%d..",i);
line 6     }while(i--);
line 7 }
```

Ans:

• Time: 30 sec • Marks: 2

Q285. What is the output?

```

line 1 #define int char
line 2 main()
line 3 {
line 4     int i = 65;
line 5     printf( "d",sizeof(i)) ;
line 6 }
```

Ans:

• Time: 30 sec • Marks: 2

Q286. What is the output?

```

line 1 #define int A
line 2 #define A int
line 3 main()
line 4 {
line 5     int i = 8;
line 6     printf("%d\n",i);
line 7 }
```

- A. Error on line 2
- B. 8
- C. Error on line 5

• Time: 30 sec • Marks: 3

Scratch Pad

Q287. What is the output?

```

line 1 #define int char
line 2 #define char long
line 3 main()
line 4 {
line 5     int i;
line 6     char j;
line 7     long k;
line 8     printf("%d..",sizeof(i));
line 9     printf("%d..",sizeof(j));
line 10    printf("%d..",sizeof(k));
line 11 }
```

Ans:

• Time: 45 sec • Marks: 3

Scratch Pad

Q288. Choose the best answer:

```

line 1 //Program 1
line 2 main()
line 3 {
line 4     char a[50000];
line 5 }
line 6
line 7 //Program 2
line 8
line 9 char a[50000];
line 10 main()
line 11 {
line 12 }
```

- A. Cannot have an array of char of 50000
- B. The exe file sizes of both the programs will be the same
- C. The exe file sizes of both the programs will be almost the same
- D. The difference in exe file sizes of both the programs will be large

• Time: 45 sec • Marks: 3

Q289. What is the output?

```

line 1 main()
line 2 {
line 3     int i = {612};
line 4     printf("%d\n",i);
line 5 }
```

- A. God alone knows
- B. Compilation error
- C. 612
- D. None of the above

• Time: 15 sec • Marks: 2

Q290. What is the output?

```

line 1 main()
line 2 {
line 3     char a[3][3] =
        {"abc", "pqr", "xyz"};
line 4     printf("%c\n",a[2][2]);
line 5 }
```

- A. q
- B. Compilation error
- C. r
- D. z

• Time: 30 sec • Marks: 2

Q291. What is the output?

```

line 1 main()
line 2 {
line 3     char a[3][3] =
    [ {'a','b','c'}, {"pqr", "xy"} ];
line 4     printf("%s\n", &a[0][0]);
line 5 }
```

- A. abcpqrxy
- B. Compilation error
- C. a
- D. None of the above

• Time: 45 sec • Marks: 6

Q292. What is the output?

```

line 1 main()
line 2 {
line 3     char a[3][3] =
    [ {'a','b','c'}, {'p','q','r'},
      'x', 'y' ];
line 4     printf("%s\n", a[2]);
line 5 }
```

- A. pqrxy
- B. Compilation error
- C. xy
- D. cpqrxy

• Time: 45 sec • Marks: 3

Q293. What is the output?

```

line 1 main()
line 2 {
line 3     char a[3][3] =
    [ {'a','b','c'}, {'p','q','r'},
      'x', 'y' ];
line 4     char **p ;
line 5     *p = a[0] ;
line 6     printf("%s\n", *p);
line 7 }
```

- A. abc
- B. Compilation error
- C. God alone knows
- D. abcpqrxy

• Time: 45 sec • Marks: 3

Scratch Pad

Q294. What is the output?

```
line 1 main()
line 2 {
line 3     struct nnn {
line 4         char a[10];
line 5         int i;
line 6     } ;
line 7     struct nnn aaa[] =
line 8         {"hello",10,"bye",20};
line 9 }
```

- A. bye
- B. hello
- C. Compilation error
- D. None of the above

• Time: 60 sec • Marks: 4

Scratch Pad

Q295. What is the output?

```
line 1 main()
line 2 {
line 3     int i = _1_abc(10);
line 4     printf("%d\n",--i);
line 5 }
line 6
line 7 int _1_abc(int i)
line 8 {
line 9     return (i++);
line 10 }
```

- A. Error on line 3
- B. 10
- C. 9
- D. Error on line 6
- E. None of the above

• Time: 45 sec • Marks: 3

Scratch Pad

C Under DOS Test

Q296. What is the output?

```
line 1 main()
line 2 {
line 3     struct xxx{
line 4         int i;
line 5         char j;
line 6     };
line 7     struct xxx zzz ={1,'a'};
line 8     abc(zzz);
line 9 }
line 10
line 11 abc(struct xxx aaa)
line 12 {
line 13     printf("%d...%c",aaa.i,
line 14     aaa.j);
```

- A. 97
- B. Error
- C. 1...a
- D. God Only Knows

• Time: 60 sec • Marks: 3

Q297. What is the output in the large memory model?

```
line 1 main()
line 2 {
line 3     char *p;
line 4     int *i;
line 5     long *k;
line 6     p=i=k=0;
line 7     p++;i++;k++;
line 8     printf("%p...%p...%p",p,i,k);
line 9 }
```

Ans:

• Time: 60 sec • Marks: 4

Q298. What is the output?

```
line 1 main()
line 2 {
line 3     signed short k;
line 4     unsigned short i;
line 5     long double j;
line 6     printf("%d...%d...%d\n",
line 7     sizeof(i),sizeof(j),
     sizeof(k));
```

Ans:

• Time: 45 sec • Marks: 2

C Under DOS Test

Q299. What will be the output?

```
line 1 _fastcall abc(int i,int j,  
                     int k)  
line 2 {  
line 3   printf("%d...%d...%d",  
                 i,j,k);  
line 4 }  
line 5  
line 6 main()  
line 7 {  
line 8   abc(0,1,2);  
line 9 }
```

- A. Error
- B. 0...1...2
- C. 2...1...0
- D. God Only Knows

• Time: 60 sec • Marks: 4

Q300. What is the output?

```
line 1 main()  
line 2 {  
line 3   long i = 65536 ;  
line 4   printf("%d\n",i);  
line 5 }
```

Ans:

• Time: 45 sec • Marks: 2

C Under DOS Test

Q301. What is the output ? ("." in answer represents spaces)

```
line 1 main()  
line 2 {  
line 3   char * p = "Hello" ;  
line 4   printf("%8s\n",p) ;  
line 5   printf("%-8s\n",p) ;  
line 6 }
```

- A. ...Hello
Hello
- B. Hello
Hello
- C. Hello
...Hello
- D. Error

• Time: 45 sec • Marks: 2

Scratch Pad

C Under DOS Test

Q302. What is the output?

```

line 1 main()
line 2 {
line 3     long i = 64747 ;
line 4     int j = 4834;
line 5     char k = 65;
line 6
line 7     printf("%ld\n",i) ;
line 8     printf("%d\n",j) ;
line 9     printf("%d\n",k) ;
line 10 }
```

- A. 64747
4834
65
- B. 64747
4834
65
- C. 647
483
65
- D. None of above

• Time: 45 sec • Marks: 2

C Under DOS Test

Q303. What will be the error?

```

line 1 main()
line 2 {
line 3     int i = 5;
line 4     i++;
line 5     printf ("%d...",i);
line 6 }
```

- A. No error
- B. Linker error
- C. Compiler error
- D. Runtime error
- E. Syntax error

• Time: 30 sec • Marks: 2

Scratch Pad

Q304. What is the output?

```

line 1 main()
line 2 {
line 3     char * p = "Hello" ;
line 4     printf("%3s\n",p) ;
line 5     printf("%-3s\n",p) ;
line 6 }
```

- A. Hello
 Hel
- B. Hel
 Hello
- C. Hello
 Hello
- D. Error

• Time: 30 sec • Marks: 2

Q305. What is the output?

```

line 1 main()
line 2 {
line 3     char * p = "Hello" ;
line 4     printf("%.*s \n",4,p) ;
line 5 }
```

Ans:

• Time: 45 sec • Marks: 4

Q306. What will be the output?

```

line 1 main()
line 2 {
line 3     int i = 100,j = 200;
line 4     const int *p = &i;
line 5     p = &j;
line 6     printf("\n%d",*p);
line 7 }
```

Ans:

• Time: 45 sec • Marks: 4

Q307. What is the output?

```

line 1 main()
line 2 {
line 3     char *p;
line 4     p = ""s"Hello" ;
line 5     printf("%s\n",p);
line 6 }
```

- A. sHello
- B. s
- C. Hello
- D. Error

• Time: 30 sec • Marks: 2

Q308. What is the output?

```
line 1 main()  
line 2 {  
line 3     int i = 024;  
line 4     printf("%d\n",i);  
line 5 }
```

Ans:

• Time: 30 sec • Marks: 2

Q309. What is the output?

```
line 1 main()  
line 2 {  
line 3     int i = 0X24;  
line 4     printf("%d\n",i);  
line 5 }
```

Ans:

• Time: 30 sec • Marks: 2

Q310. What is the output?

```
line 1 main()  
line 2 {  
line 3     int i = 0X24;  
line 4     printf("%o\n",i);  
line 5 }
```

Ans:

• Time: 30 sec • Marks: 2

Q311. What is the output?

```
line 1 main()  
line 2 {  
line 3     int i++ = 0X24;  
line 4     printf("%x\n",i);  
line 5 }
```

- A. 0X24
- B. 0x24
- C. 25
- D. Error

• Time: 30 sec • Marks: 3

Q312. What is the output?

```
line 1 main()
line 2 {
line 3     struct xyz
line 4     {
line 5         int i;
line 6         int k;
line 7     } pqr;
line 8     struct xyz *z;
line 9     z=&pqr;
line 10    z->i = 100;
line 11    z->k = 300;
line 12    abc(z);
line 13 }
line 14
line 15 abc(int *p)
line 16 {
line 17     p++;
line 18     printf("%d\n", *p);
line 19 }
```

Ans:

• Time: 90 sec • Marks: 5

Q313. What is the output?

```
line 1 main()
line 2 {
line 3     struct xyz
line 4     {
line 5         int i;
line 6         int k;
line 7     } pqr={100,300};
line 8     struct xyz *z;
line 9     z=&pqr;
line 10    z->i = 300;
line 11    z->k = 100;
line 12    abc(z);
line 13 }
line 14
line 15 abc(char *p)
line 16 {
line 17     p++;
line 18     printf("%d\n", *p);
line 19 }
```

Ans:

• Time: 90 sec • Marks: 7

Q314. Will the program compile? <Yes/No>

```
line 1 main()
line 2 {
line 3     struct xyz
line 4 {
line 5         int i = 0;
line 6         int k = 1;
line 7     } pqr;
line 8 }
```

Ans:

• Time: 30 sec • Marks: 2

Q315. What is the output?

```
line 1 main()
line 2 {
line 3     char *p = "abcd";
line 4     printf("%s\r%s\n",p,p) ;
line 5
line 6 }
```

Ans:

• Time: 30 sec • Marks: 3

Q316. What is the output?

```
line 1 main()
line 2 {
line 3     printf("\nab\\b\cd\ref ") ;
line 4 }
```

Ans:

• Time: 45 sec • Marks: 4

Q317. What will be the output in large memory model?

```
line 1 main()
line 2 {
line 3     char **p;
line 4     int **q;
line 5     long **r;
line 6     p = q = r = 0;
line 7     p++;
line 8     q++;
line 9     r++;
line 10    printf("%p...%p...%p",
line 11    p,q,r);
```

Ans:

• Time: 60 sec • Marks: 4

Q318. What will this program display if the file zzz.c exists in D:\BORLANDC\BIN subdirectory?

```

line 1 #include <stdio.h>
line 2 main()
line 3 {
line 4     FILE *fp;
line 5     int ch;
line 6     fp = fopen
        ("D:\BORLANDC\BIN\ZZZ.C", "r");
line 7     while((ch = fgetc(fp))!= -1)
line 8         printf("%c",ch);
line 9 }
```

- A. The program will give a compilation error
- B. The program will give a runtime error
- C. The program displays the contents of the file
- D. The program does not display the contents of the file

• Time: 90 sec • Marks: 5

Q319. What is the output?

```

line 1 main()
line 2 {
line 3     int i = 97;
line 4     switch (i)
line 5     {
line 6         case 'a':
line 7             if(i>3)
line 8                 case 'b':
line 9                     i = 10 ;
line 10                printf("%d\n",i) ;
line 11            }
line 12 }
```

Ans :

• Time: 60 sec • Marks: 5

Q320. What is the output?

```

line 1 main()
line 2 {
line 3     printf("\nab\bcd\ref") ;
line 4 }
```

Ans :

• Time: 30 sec • Marks: 3

C Under DOS Test

Q321. What is the output?

```

line 1 main()
line 2 {
line 3     int i = 97;
line 4     switch (i)
line 5     {
line 6         case 'a':
line 7             if(i>3){
line 8                 case 'b':{
line 9                     i = 10 ;i=11;
line 10 }printf("%d\n",i) ;
line 11 }

```

Ans:

• Time: 90 sec • Marks: 6

Q322. What is the output?

```

line 1 main()
line 2 {
line 3     int i = 10;
line 4     if(i=i|=3)
line 5         printf("%d\n",i);
line 6 }

```

Ans:

• Time: 60 sec • Marks: 4

C Under DOS Test

Q323. What is the output?

```

line 1 main()
line 2 {
line 3     int i = 10;
line 4     if(i=i|=i---i)
line 5         printf("%d\n",i);
line 6 }

```

Ans:

• Time: 90 sec • Marks: 6

Q324. What is the output?

```

line 1 main()
line 2 {
line 3     int i = 10;
line 4     if(i=i|=i---i/3)
line 5         printf("%d\n",i);
line 6 }

```

Ans:

• Time: 90 sec • Marks: 5

Q325. What is the output? (Assume variable name typed on one line)

```
line 1 main()
line 2 {
line 3     int aa0aa1aa2aa3aa4aa5aa6
                aa7aa8aa9aazz1zz2=10;
line 4     printf("%d\n",aa0aa1aa2aa3
                aa4aa5aa6aa7a8aa9aazz1z);
line 5 }
```

- A. Compilation error
- B. God Only Knows
- C. 10
- D. 0

• Time: 60 sec • Marks: 4

Scratch Pad

Q326. What is the output?

```
line 1 main()
line 2 {
line 3     int i = 97;
line 4     switch (i)
line 5     {
line 6         case 'a':
line 7             if(i<3)
line 8                 case 'b':
line 9                     i = 10 ; i = 11;
line 10                printf("%d\n",i) ;
line 11            }
line 12 }
```

Ans:

• Time: 45 sec • Marks: 4

Scratch Pad

Q327. What is the output?

```
line 1 main()
line 2 {
line 3     int i *= 100;
line 4     printf("%d",i);
line 5 }
```

- A. Error
- C. God Only Knows
- C. 0
- D. 1

• Time: 15 sec • Marks: 2

Scratch Pad

Q328. What is the output? (Assume variable name typed on one line)

```
line 1 main()
line 2 {
line 3     int aa0aa1aa2aa3aa4aa5aa6
aa7aa8aa9aazz1zz2=10;
line 4     int aa0aa1aa2aa3aa4aa5aa6
aa7aa8aa9aa=110;
line 5     printf("%d\n",aa0aa1aa2aa3
aa4aa5aa6aa7aa8aa9aazz1z);
line 6 }
```

- A. Compilation error
- B. God Only Knows
- C. 10
- D. 110

• Time: 90 sec • Marks: 6

Scratch Pad

Q329. What is the output?

```

line 1 main()
line 2 {
line 3     int aa% = -10;
line 4     printf("%d",aa%);
line 5 }
```

- A. Error
- B. God Only Knows
- C. -10
- D. 10

• Time: 30 sec • Marks: 2

Q330. What is the output?

```

line 1 main()
line 2 {
line 3     int int;
line 4     printf("%d",int = 10);
line 5 }
```

- A. Error
- B. God Only Knows
- C. 10
- D. 0

• Time: 15 sec • Marks: 1

Q331. What is the output?

```

line 1 main()
line 2 {
line 3     int long aaa = 10 ;
line 4     printf("%d\n ",sizeof(aaa))
line 5 }
```

Ans :

• Time: 15 sec • Marks: 2

Q332. What is the output?

```

line 1 main()
line 2 {
line 3     int i ;
line 4     &i = &i + 10 ;
line 5     printf("%d\n",i = 100) ;
line 6 }
```

- A. Error
- B. God Only Knows
- C. 10
- D. 0

• Time: 30 sec • Marks: 2

Q333. What is the output?

```
line 1 main()
line 2 {
line 3     int i ;
line 4     i = abc_printf
line 5         ("Hello World "));
line 6     printf("%d\n",i);
line 7 }
line 8 abc(int i )
line 9 {
line 10    return i*100 ;
line 11 }
```

Ans:

• Time: 60 sec • Marks: 4

Scratch Pad



Q334. What is the output?

```
line 1 main()
line 2 {
line 3     int i = 10 ;
line 4     i = abc(pqr(i+=i/i)) ;
line 5     printf("%d\n",i) ;
line 6 }
line 7
line 8 abc(int i )
line 9 {
line 10    return i ;
line 11 }
line 12
line 13 pqr(int i)
line 14 {
line 15    return i ;
line 16 }
```

Ans:

• Time: 60 sec • Marks: 4

Scratch Pad

Q335. What is the output?

```
line 1 main()
line 2 {
line 3     int * p = "hello" ;
line 4     int *z = p ;
line 5     printf("%s..",p) ;
line 6     printf("%s",z) ;
line 7 }
```

Ans:

• Time: 45 sec • Marks: 2

Q336. What is the output?

```
line 1 main()
line 2 {
line 3     int *p = "hello" ;
line 4     int *z ;
line 5     z = *p;
line 6     printf("%s..",p) ;
line 7     printf("%s",z) ;
line 8 }
```

- A. Error
- B. God Only Knows
- C. Hello...H
- D. Hello...H

• Time: 45 sec • Marks: 2

Q337. Will the following work? <Yes/No>

```
line 1 main()
line 2 {
line 3     if
line 4     (
line 5     1
line 6     >
line 7     0
line 8     )
line 9     printf
line 10    (
line 11    "hello"
line 12    )
line 13    ;
line 14 }
```

Ans:

• Time: 45 sec • Marks: 2

Q338. Choose the correct answer:

const int * const xyz

- A. xyz is const pointer to a const int
- B. Invalid data type
- C. Invalid variable name const xyz
- D. None of the above

• Time: 45 sec • Marks: 2

Q339. What will the following program print?

```
line 1 main()
line 2 {
line 3     int i,j = 10;
line 4     i = 20 / 2*j;
line 5     printf("%d",i);
line 6 }
```

Ans:

• Time: 45 sec • Marks: 3

Scratch Pad

- A. Error
- B. 100
- C. 101
- D. 102

Q340. What will be the output?

```
line 1 main()
line 2 {
line 3     int i;
line 4     i = abc();
line 5     printf("%d",i);
line 6 }
line 7
line 8 int abc()
line 9 {
line 10    int a;
line 11
line 12    if (1 > 0)
line 13        return
line 14
line 15    a = 100;
line 16    a++;
line 17    return ++a;
line 18 }
```

- A. Error
- B. 100
- C. 101
- D. 102

• Time: 60 sec • Marks: 6

Q341. Will the following program print Hello ?
<Yes/No>

```
line 1 // FILE zzz.h
line 2
line 3 char a[10] = "Hello";
line 4
line 5 // FILE zzz.c
line 6
line 7 #include "zzz.h"
line 8 extern char *a;
line 9 main()
line 10 {
line 11     printf ("%s",a);
line 12 }
```

Ans:

• Time: 60 sec • Marks: 4

Scratch Pad

Q342. Will the following print 100 if the two files are linked together? <Yes/No>

```
line 1 // FILE aaa.c
line 2
line 3 int a = 100 ;
line 4
line 5 // FILE zzz.c
line 6
line 7 extern int a;
line 8 main()
line 9 {
line 10     printf ("%d",a);
line 11 }
```

Ans:

• Time: 30 sec • Marks: 2

Q343. What will be the output?

```
line 1 main()
line 2 {
line 3     char far * far * scr;
line 4     printf("%d",sizeof(*scr));
line 5 }
```

Ans:

• Time: 45 sec • Marks: 3

Q344. Will the following print 100 if the two files are linked together? <Yes/No>

```

line 1 // FILE aaa.c
line 2
line 3 static int a = 100 ;
line 4
line 5 // FILE zzz.c
line 6
line 7 extern int a;
line 8 main()
line 9 {
line 10 printf ("%d",a);
line 11 }
```

Ans:

• Time: 45 sec • Marks: 3

Q345. Will the following program print 100? <Yes/No>

```

line 1 #define SQUARE (x) (x*x)
line 2 main()
line 3 {
line 4     int i = 10,j = 0;
line 5     j = SQUARE(i);
line 6     printf("%d",j);
line 7 }
```

Ans:

• Time: 45 sec • Marks: 3

Q346. Will the following program compile? <Yes/No>

```

line 1 #define SQUARE(x) (x*x)
line 2 main()
line 3 {
line 4     int i = 10,j = 0;
line 5     j = SQUARE (i);
line 6     printf("%d",j);
line 7 }
```

Ans:

• Time: 30 sec • Marks: 2

Q347. What will the following program print?

```

line 1 #define SQUARE(x) (x*x)
line 2 main()
line 3 {
line 4     int i = 10,j = 5,k = 0;
line 5     k = SQUARE (i-j);
line 6     printf("%d",k);
line 7 }
```

Ans:

• Time: 60 sec • Marks: 7

Q348. What will the following program print?

```

line 1 #define SQUARE(x) (x)*(x)
line 2 main()
line 3 {
line 4     int i = 10, j = 5, k = 0;
line 5     k = SQUARE (i-j);
line 6     printf("%d",k);
line 7 }
```

Ans :

• Time: 45 sec • Marks: 3

Q349. What will the following program print ?

```

line 1#define MAX(x,y) (x)>(y)?(x):(y)
line 2 main()
line 3 {
line 4     int i = 10, j = 5, k = 0;
line 5     k = MAX (i,j);
line 6     printf("%d",k);
line 7 }
```

Ans :

• Time: 45 sec • Marks: 2

Q350. What will the following program print ?

```

line 1#define MAX(x,y) (x)>(y)?(x):(y)
line 2 main()
line 3 {
line 4     int i = 10, j = 5, k = 0;
line 5     k = MAX (i++,++j);
line 6     printf("%d...%d...%d"
line 7 }
```

Ans :

• Time: 60 sec • Marks: 5

Q351. Will the program compile? <Yes/No>

```

line 1 main()
line 2 {
line 3     int i=5;
line 4     while (i)
line 5     {
line 6         int x = 100;
line 7         x++;
line 8         i--;
line 9     }
line 10 }
```

Ans :

• Time: 45 sec • Marks: 3

C Under DOS Test

Q352. What will the following program print?

```
line 1 main()
line 2 {
line 3     int a = 1, b = 1;
line 4
line 5     if(a == 0)
line 6         if (b == 0)
line 7             printf ("Hi");
line 8     else
line 9         printf("Bye");
line 10 }
```

- A. Hi
- B. Bye
- C. HiBye
- D. Nothing

• Time: 45 sec • Marks: 3

Scratch Pad

Q353. What will the following program print?

```
line 1 #define MAX(x,y)
(x)>(y)?(x):(y)
line 2 main()
line 3 {
line 4     int a[5];
line 5     int i = 0,k = 0;
line 6     a[0] = 0;
line 7     a[1] = 1;
line 8     a[2] = 2;
line 9     a[3] = 3;
line 10    a[4] = 4;
line 11    while (i < 4)
line 12    {
line 13        k = MAX (a[i],a[i++]);
line 14        printf("%d...",k);
line 15    }
line 16 }
```

Ans :

• Time: 90 sec • Marks: 6

Scratch Pad

Q354. What will be the output? (Assume # define to be on one line.)

```
line 1 #define PRINTIFLESS(x,y)
        if((x)<(y))printf("First is
        smaller")
line 2 main()
line 3 {
line 4     int i = 2,k = 1;
line 5     if(i>0 && k>0)
line 6         PRINTIFLESS(i,k);
line 7     else
line 8         printf("\nNumbers not
        "greater than 0");
line 9 }
```

- A. Nothing
- B. First is smaller
- C. Numbers not greater than 0
- D. Error

• Time: 60 sec • Marks: 4

Scratch Pad

Q355. What will be the output?

```
line 1 main()
line 2 {
line 3     char far * far * scr;
line 4     printf("%d",sizeof(**scr));
line 5 }
```

Ans:

• Time: 45 sec • Marks: 3

Scratch Pad

Q356. What will be the output?(Assume # define to be on one line.)

```

line 1 #define PRINTIFLESS(x,y)
        (if((x) < (y)) printf("First
        is smaller");)

line 2 main()
line 3 {
line 4     int i = 2,k = 1;
line 5     if(i>0 && k>0)
line 6         PRINTIFLESS(i,k);
line 7     else
line 8         printf("\nNumbers not"
        " greater than 0");
line 9 }
```

- A. Nothing
- B. First is smaller
- C. Numbers not greater than 0
- D. Error

• Time: 60 sec • Marks: 4

Scratch Pad

Q357. Will this program compile? <Yes/No>

```

line 1 main()
line 2 {
line 3     char far far far *** scr;
line 4 }
```

Ans:

• Time: 15 sec • Marks: 3

Q358. What will be the output? (Assume # define to be on the same line.)

```

line 1 #define PRINTIFLESS(x,y)
        (((x) >= (y)) ||
         printf("First is smaller"))
line 2 main()
line 3 {
line 4     int i = 2,k = 1;
line 5     if(i>0 && k>0)
line 6         PRINTIFLESS(i,k);
line 7     else
line 8         printf("\nNumbers not"
        " greater than 0");
line 9 }
```

- A. Nothing
- B. First is smaller
- C. Numbers not greater than 0
- D. Error

• Time: 60 sec • Marks: 6

Q359. Will this program compile? <Yes/No>

```

line 1 main()
line 2 {
line 3     char far * near * scr;
line 4 }
```

Ans:

• Time: 30 sec • Marks: 3

Q360. What will be the output? (Assume # define to be on one line.)

```

line 1 #define PRINTIFLESS(x,y)
        if((x)<(y))printf("First is
        smaller");else
line 2 main()
line 3 {
line 4     int i = 2,k = 1;
line 5     if(i>0 && k>0)
line 6         PRINTIFLESS(i,k);
line 7     else
line 8         printf("\nNumbers not"
        " greater than 0");
line 9 }
```

- A. Nothing
- B. First is smaller
- C. Numbers not greater than 0
- D. Error

• Time: 90 sec • Marks: 4

Q361. Will this program compile? <Yes/No>

```

line 1 main()
line 2 {
line 3     char far near ** scr;
line 4 }
```

Ans:

• Time: 30 sec • Marks: 2

Scratch Pad

C Under DOS Test

Q362. What will be the output?

```

line 1 #define INTPTR int *
line 2 main()
line 3 {
line 4     INTPTR i,j;
line 5     int k = 0,l = 100;
line 6     i = &k;
line 7     j = &k;
line 8     l = *i;
line 9     printf("%d...",l);
line 10    k++;
line 11    l = *j;
line 12    printf("%d",l);
line 13 }
```

- A. 0...1
- B. 100...1
- C. 0...0
- D. Error

• Time: 60 sec • Marks: 4

Scratch Pad

C Under DOS Test

Q363. What will be the output?

```

line 1 main()
line 2 {
line 3     char a = 'A';
line 4     if(a=='A'||a=='L'||a=='Z')
line 5         a = 'a';
line 6
line 7     printf("%c",a);
line 8 }
```

- A. A
- B. Error
- C. a
- D. L

• Time: 90 sec • Marks: 5

Q364. What is the output?

```

line 1 main()
line 2 {
line 3     float i;
line 4     double j;
line 5     printf("%d..%d\n",
sizeof(i),sizeof(j));
line 6 }
```

Ans :

• Time: 30 sec • Marks: 2

Q365. What will be the output?

```

line 1 main()
line 2 {
line 3   abc ((200,100));
line 4 }
line 5
line 6 abc (int i)
line 7 {
line 8   printf("%d",i);
line 9 }
```

- A. 100
- B. 200
- C. God only knows
- D. Error

• Time: 45 sec • Marks: 5

Q366. What will be the output?

```

line 1 #define COMBINE(x,y) (x##y)
line 2 main()
line 3 {
line 4   int i;
line 5   i = COMBINE(200,5);
line 6   printf("%d",i);
line 7 }
```

Ans :

• Time: 45 sec • Marks: 5

Q367. What will be the output?

```

line 1 #define COMBINE(x,y) (x##y)
line 2 main()
line 3 {
line 4   int i;
line 5   i = COMBINE(10+5,5+10);
line 6   printf("%d",i);
line 7 }
```

Ans :

• Time: 45 sec • Marks: 5

Q368. What will be the output?

```

line 1 #define long int
line 2 main()
line 3 {
line 4   long i;
line 5   i = 65530+100;
line 6   printf("\n%ld",i);
line 7 }
```

- A. 100
- B. 65630
- C. God only knows
- D. Error

• Time: 45 sec • Marks: 3

Q369. What will be the output?

```
line 1 main()
line 2 {
line 3     const int i;
line 4     i = 100;
line 5     printf("\n%d",i);
line 6 }
```

- A. 100
- B. 0
- C. God only knows
- D. Error

• Time: 45 sec • Marks: 5

Q370. What will be the output?

```
line 1 main()
line 2 {
line 3     const int i = 100;
line 4     i++;
line 5     printf("\n%d",i);
line 6 }
```

- A. 100
- B. 1
- C. God only knows
- D. Error

• Time: 45 sec • Marks: 3

Q371. What will be the output?

```
line 1 main()
line 2 {
line 3     const int i = 100;
line 4     int *p = &i;
line 5     *p = 200;
line 6     printf("\n%d",i);
line 7 }
```

Ans:

• Time: 45 sec • Marks: 3

Q372. What will be the output?

```
line 1 main()
line 2 {
line 3     int i = 100;
line 4     const int *p = &i;
line 5     *p = 200;
line 6     printf("\n%d",i);
line 7 }
```

- A. 100
- B. 200
- C. God only knows
- D. Error

• Time: 45 sec • Marks: 3

C Under DOS Test

Q373. In the small memory model, will the file zzz.c be printed? <Yes/No>

```

line 1 main()
line 2 {
line 3     int fp;
line 4     int i;
line 5     fp=fopen("zzz.c","r");
line 6     while ((i=fgetc(fp)) != -1)
line 7         printf("%c",i);
line 8 }
```

Ans :

• Time: 45 sec • Marks: 3

Q374. What will be the output?

```

line 1 main()
line 2 {
line 3     int i = 100, j = 10, k;
line 4     int *p = &j;
line 5     k = i/*p ; /*p points to j*/
line 6     ;
line 7     printf ("%d",k);
line 8 }
```

Ans :

• Time: 45 sec • Marks: 3

C Under DOS Test

Q375. Will the following program print Hello?
<Yes/No>

```

line 1 // FILE zzz.h
line 2
line 3 char a[10] = "Hello";
line 4
line 5 // FILE zzz.c
line 6
line 7 #include "zzz.h"
line 8 extern char a[];
line 9 main()
line 10 {
line 11     printf ("%s",a);
line 12 }
```

Ans :

• Time: 45 sec • Marks: 3

Q376. What is the output?

```

line 1 main()
line 2 {
line 3     long i = 65536 + 25600
line 4     printf("%d\n",i);
line 5 }
```

Ans :

• Time: 45 sec • Marks: 2

C Under DOS Test

Q377. Will the file zzz.c be printed? <Yes/No>

```

line 1 #include <stdio.h>
line 2 main()
line 3 {
line 4     FILE *fp;
line 5     int i;
line 6     fp=fopen("zzz.c","r");
line 7     while (i=fgetc(fp) != EOF)
line 8         printf("%c",i);
line 9 }
```

Ans:

• Time: 30 sec • Marks: 3

Q378. What will be the output?

```

line 1 main()
line 2 {
line 3     char far * far * scr;
line 4     printf("%d",sizeof(scr));
line 5 }
```

Ans:

• Time: 45 sec • Marks: 3

Q379. What will be the output in small memory model?

```

line 1 main()
line 2 {
line 3     char far far far *** scr;
line 4     printf("%d...%d...%d",
line 5         sizeof(scr),sizeof(*scr),
line 6             sizeof(**scr));
```

Ans:

• Time: 45 sec • Marks: 4

Q380. What will be the output?

```

line 1 main()
line 2 {
line 3     char far * far * near * scr;
line 4     printf("%d...%d...%d",
line 5         sizeof(scr),sizeof(*scr),
line 6             sizeof(**scr));
```

Ans:

• Time: 45 sec • Marks: 3

Q381. What will be the output?

```
line 1 main()
line 2 {
line 3     char far * near * huge *
            near * scr;
line 4     printf("%d...%d...%d...%d",
            sizeof(scr),sizeof(*scr),
line 5     sizeof(**scr),
            sizeof(***scr));
line 6 }
```

Ans:

• Time: 60 sec • Marks: 4

Q382. Will the program print hello? <Yes/No>

```
line 1 main()
line 2 {
line 3     int a = 10;
line 4     int b = 20;
line 5     char x = 1;
line 6     char y = 0;
line 7
line 8     if(a,b,x,y)
line 9         printf("hello");
line 10 }
```

Ans:

• Time: 45 sec • Marks: 4

Q383. What will this print?

```
line 1 main()
line 2 {
line 3     int i=3;
line 4     while (i)
line 5     {
line 6         int x = 100;
line 7         printf("%d..%d",i,x);
line 8         x++;
line 9         i--;
line 10    }
line 11 }
```

- A. 3..100..2..101..1..102
- B. 3..100..2..100..1..100
- C. Error
- D. None of the above

• Time: 60 sec • Marks: 4

Scratch Pad

Q384. What will be the output?

```
line 1 main()
line 2 {
line 3     int i=3;
line 4     while (i)
line 5     {
line 6         int i = 100;
line 7         printf("%d..",i);
line 8         i--;
line 9     }
line 10 }
```

- A. Infinite Loop
- B. Error
- C. 3..2..1
- D. None of the above

• Time: 90 sec • Marks: 5

Scratch Pad

Q385. What will the following program do in the large memory model ?

```
line 1 main()
line 2 {
line 3     (**(void(**)())0)();
line 4     printf("Hello World");
line 5 }
```

- A. Will not compile
- B. Machine will hang
- C. Gives divide by zero error
- D. Print Hello World

• Time: 45 sec • Marks: 6

Scratch Pad

Q386. What will be the output?

```

line 1 main()
line 2 {
line 3     int i=3;
line 4     while (i--)
line 5     {
line 6         int i = 100;
line 7         i--;
line 8         printf("%d..",i);
line 9     }
line 10 }
```

- A. Infinite Loop
- B. Error
- C. 99..99..99..
- D. 3..2..1..

• Time: 90 sec • Marks: 5

Q387. Will the program go into an infinite loop?
<Yes/No>

```

line 1 main()
line 2 {
line 3     printf("main()");
line 4 }
```

Ans:

• Time: 15 sec • Marks: 2

Q388. What will be the output?

```

line 1 main()
line 2 {
line 3     int i=5,j=10;
line 4     abc(&i,&j);
line 5     printf("%d..%d",i,j);
line 6 }
line 7
line 8 abc(int *i,int *j)
line 9 {
line 10    *i = *i+*j;
line 11    *j = *i-*j;
line 12    *i = *i-*j;
line 13 }
```

Ans:

• Time: 90 sec • Marks: 5

Q389. Will the program print hello? <Yes/No>

```

line 1 main()
line 2 {
line 3     if(0,1)
line 4         printf("hello");
line 5 }
```

Ans:

• Time: 45 sec • Marks: 3

Q390. Will the program compile? <Yes/No>

```
line 1 main()
line 2 {
line 3     void *p;
line 4 }
```

Ans:

• Time: 30 sec • Marks: 2

Q391. Will the program print Hello? <Yes/No>

```
line 1 main()
line 2 {
line 3     void *p = "Hello";
line 4     printf("%s",p);
line 5 }
```

Ans:

• Time: 45 sec • Marks: 3

Q392. What will be the output?

```
line 1 main()
line 2 {
line 3     void *p ;
line 4     long x = 65536+300;
line 5     p = &x;
line 6     printf("\n%d..",*(char *)p);
line 7     printf("%d..",*(int *)p);
line 8     printf("%ld",*(long *)p);
line 9 }
```

Ans:

• Time: 90 sec • Marks: 5

Q393. What will the program do?

```
line 1 main()
line 2 {
line 3     char far *p = 0x417;
line 4     *p = 54;
line 5 }
```

- A. Reboot the machine
- B. Puts CAPSLOCK on
- C. Disable all keys between A..z
- D. Change the default screen color

• Time: 60 sec • Marks: 3

Q394. What will the program do , if you have a CGA or above card?

```
line 1 main()
line 2 {
line 3     int far *p = 0xB8000000;
line 4     int i;
line 5     for (i=0;i<2000;i++)
line 6         *(p+i) = 256;
line 7 }
```

- A. Change screen color
- B. Fill screen with smiling faces
- C. Clear the screen and change the color
- D. None of the above

• Time: 90 sec • Marks: 5

Q395. Which of the following functions interfaces with the DOS API?

- A. int86
- B. int8086
- C. _dos_api
- D. None of the above

• Time: 45 sec • Marks: 2

Q396. What is the output?

```
line 1 main()
line 2 {
line 3     int i=5,j=10;
line 4     abc(i,j);
line 5     printf("%d..%d",i,j);
line 6 }
line 7
line 8 abc(int i,int j)
line 9 {
line 10    i = i+j;
line 11    j = i-j;
line 12    i = i-j;
line 13 }
```

Ans:

• Time: 45 sec • Marks: 3

Q397. What does the “system” command do?

- A. Reloads Command.com
- B. Reboots machine
- C. Exits back to the operating system
- D. Executes an operating system command or a program

• Time: 45 sec • Marks: 4

Q398. What does the following program do?

```
line 1 main()
line 2 {
line 3     char far *p = 0x500;
line 4     *p = 1;
line 5 }
```

- A. Reboot the machine
- B. Puts CAPSLOCK on
- C. Disables the Print Screen key
- D. Change the default screen color

• Time: 60 sec • Marks: 4

Q399. What will be the output?

```
line 1 main()
line 2 {
line 3     auto volatile short p = 0;
line 4     p++;
line 5     printf("\n%d", sizeof(p));
line 6 }
```

- A. 2
- B. Error : No such data type
- C. Error : Conflicting data types
- D. Error : Cannot modify an auto volatile type variable

• Time: 45 sec • Marks: 4

Q400. What does the following mean?

```
void (*abc(int,void(*)()))(int);
```

- A. Error
- B. abc is a pointer to a function that returns a void and takes a varying number of arguments from an int,a void function and another int, but must have atleast one int in its arguments
- C. abc is a function that takes as parameters an int and a pointer to a function that returns void, and abc returns a pointer to a function that is called with an int as its parameter and that function returns a void
- D. None of the above

• Time: 90 sec • Marks: 10

Scratch Pad

ANSWERS.

- A1. C
- A2. 8
- A3. C
- A4. B
- A5. 0
- A6. No
- A7. 2
- A8. Bye
- A9. Yes
- A10. No
- A11. A
- A12. A
- A13. C
- A14. D
- A15. D
- A16. Yes
- A17. Yes
- A18. Yes
- A19. z
- A20. -1

A21. D
A22. B
A23. Yes
A24. 8
A25. 2
A26. 2.000000
A27. 3.000000
A28. 3.500000
A29. D
A30. D
A31. 1000
A32. No
A33. p
A34. Yes
A35. D
A36. D
A37. m...q
A38. D
A39. 3
A40. 2
A41. 1
A42. 1
A43. 1
A44. 0
A45. 0
A46. 12
A47. 200
A48. 0...1
A49. 0...0...1...0
A50. 1

A51. 10...10
A52. 0
A53. 1...1
A54. Yes
A55. No
A56. 10
A57. B
A58. 515...1...66051
A59. 300...1
A60. b
A61. 8
A62. 1
A63. 5...10
A64. No
A65. A
A66. B
A67. B
A68. B
A69. B
A70. -66
A71. A
A72. No
A73. A
A74. No
A75. B
A76. 0
A77. B
A78. 1
A79. B
A80. hello

A81. B
A82. he
A83. B
A84. A
A85. B
A86. vmci...XYZ
A87. D
A88. XYZ
A89. B
A90. B
A91. Yes
A92. No
A93. D
A94. A
A95. C
A96. D
A97. 100
A98. C
A99. 100
A100. 32000
A101. 44...10
A102. B
A103. C
A104. XYZ
A105. XYZ...0
A106. D
A107. C
A108. Hello World XYZ
A109. -1
A110. Hello World Hello World XYZ

A111. 1
A112. 0...-1
A113. 20...10
A114. Yes
A115. A
A116. B
A117. A
A118. No
A119. Yes
A120. No
A121. Yes
A122. No
A123. No
A124. Yes
A125. Yes
A126. No
A127. No
A128. Yes
A129. D
A130. No
A131. H
A132. C
A133. Hello
A134. D
A135. D
A136. D
A137. Hello World
A138. Hello World
A139. H
A140. No

A141. Yes
A142. 0
A143. No
A144. No
A145. B
A146. Hello World
A147. D
A148. C
A149. B
A150. C
A151. C
A152. 44
A153. 72
A154. 300
A155. A
A156. 300
A157. 65
A158. 65
A159. C
A160. A
A161. D
A162. B
A163. C
A164. 0
A165. A
A166. Hello
A167. C
A168. C
A169. Yes
A170. 10...a

A171. A
A172. xyz
A173. D
A174. A
A175. No
A176. xyz
A177. A
A178. C
A179. A
A180. B
A181. B
A182. D
A183. B
A184. D
A185. C
A186. 100
A187. C
A188. C
A189. 0
A190. 100
A191. 0
A192. 100
A193. C
A194. C
A195. B
A196. 100
A197. 0
A198. C
A199. C
A200. B

A201. 100
A202. C
A203. 4...8
A204. 2
A205. A
A206. C
A207. D
A208. A
A209. C
A210. D
A211. 100
A212. 100...200
A213. Hello
A214. 300...200...
A215. Hello World
A216. 4
A217. 0..2..3..0
A218. Hel
A219. 30000
A220. %l
A221. 100000
A222. 34464
A223. 344641
A224. 100000
A225. ...0
A226. 1
A227. Bye
A228. C
A229. 10
A230. C

A231. No
A232. No
A233. D
A234. Yes
A235. No
A236. No
A237. 0
A238. World
A239. D
A240. Hello
A241. World
A242. No
A243. Yes
A244. D
A245. No
A246. No
A247. D
A248. B
A249. 4
A250. 0...1...2
A251. 10
A252. C
A253. 10
A254. D
A255. 10
A256. B
A257. A
A258. B
A259. Yes
A260. 10

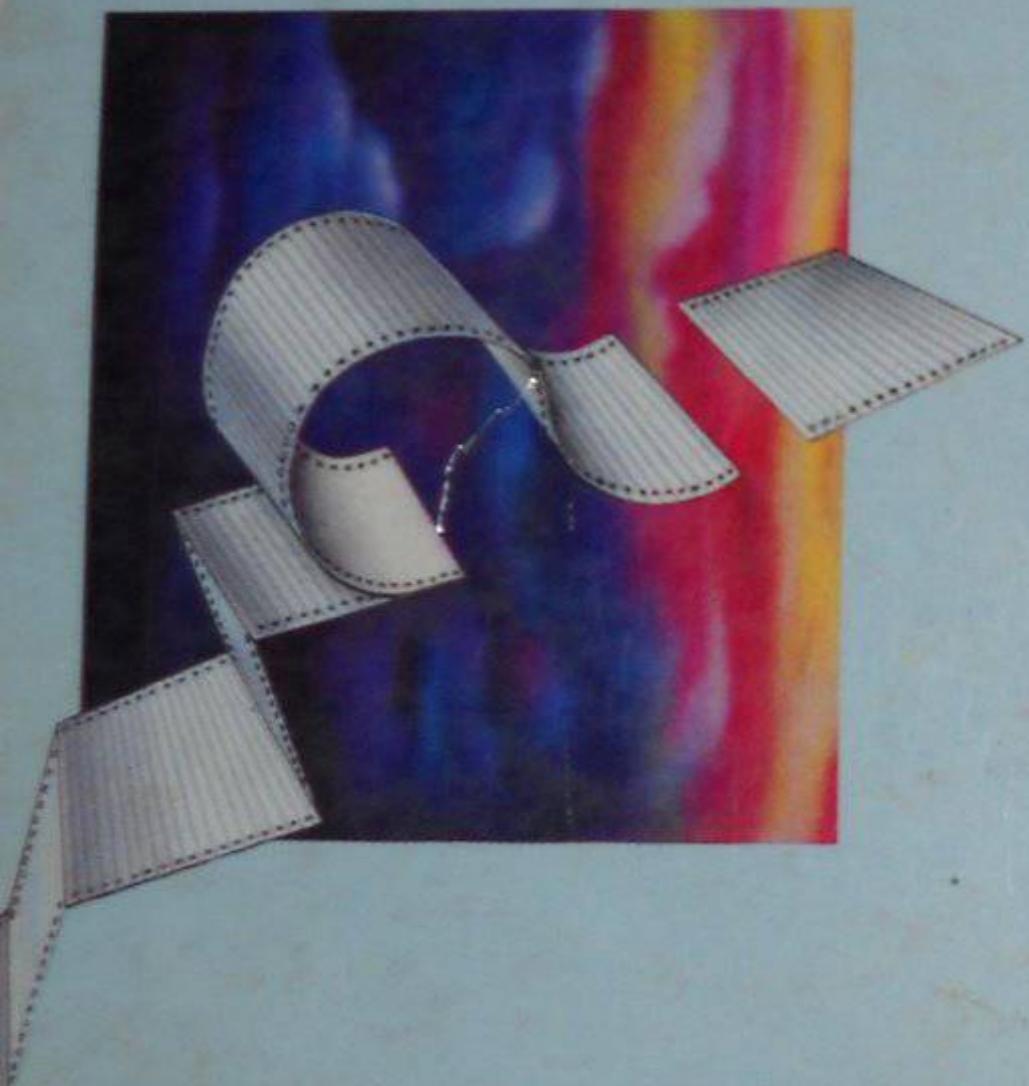
- A261. Yes
A262. A
A263. A
A264. A
A265. 6
A266. A
A267. 7
A268. 2
A269. 5
A270. A
A271. A
A272. A
A273. A
A274. Yes
A275. No
A276. ten
A277. 2
A278. A
A279. No
A280. No
A281. A
A282. 1..1..1..
A283. hello world
A284. 1..0..
A285. 1
A286. B
A287. 4..4..4..
A288. D
A289. C
A290. D
- A291. A
A292. C
A293. D
A294. A
A295. C
A296. B
A297. 0000:0001..0000:0002..0000:0004
A298. 2.10.2
A299. B
A300. 0
A301. A
A302. A
A303. B
A304. C
A305. Hell
A306. 200
A307. D
A308. 20
A309. 36
A310. 44
A311. D
A312. 300
A313. 1
A314. No
A315. abcd
A316. ef d
A317. 0000:0004..0000:0004..0000:0004
A318. D
A319. 10
A320.efd

- A321. 11
A322. 11
A323. 9
A324. 3
A325. C
A326. 11
A327. A
A328. A
A329. A
A330. A
A331. 4
A332. A
A333. Hello World 1200
A334. 11
A335. hello..hello
A336. B
A337. Yes
A338. A
A339. 100
A340. A
A341. No
A342. Yes
A343. 4
A344. No
A345. No
A346. Yes
A347. -45
A348. 25
A349. 10
A350. 12...6...11

- A351. Yes
A352. D
A353. 1...3...
A354. C
A355. 1
A356. D
A357. Yes
A358. A
A359. Yes
A360. A
A361. No
A362. D
A363. B
A364. 4..8
A365. A
A366. 2005
A367. 75
A368. C
A369. D
A370. D
A371. 200
A372. D
A373. Yes
A374. 100
A375. Yes
A376. 25600
A377. No
A378. 4
A379. 2...2...4
A380. 2...4...4

B

- A381. 2...4...2...4
- A382. No
- A383. B
- A384. A
- A385. C
- A386. C
- A387. No
- A388. 10..5
- A389. Yes
- A390. Yes
- A391. Yes
- A392. 44..300..65836
- A393. B
- A394. C
- A395. A
- A396. 5..10
- A397. D
- A398. C
- A399. A
- A400. C



Are you the head of personnel, or of human resources, or the EDP chief of a company that believes in using the latest technologies? Or even the top man?

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