**Instructions :**

**There are 14 questions in the paper.**

**The maximum marks for the test are \_\_\_\_One mark for each question.**

**The total time allocated is STRICTLY 17 minutes**

**There will be no negative marking**

Q. 56. Point out the error in the following program.

#include<stdio.h>

struct emp

{

char name[20];

int age;

};

int main()

{

emp int xx;

int a;

printf("%d\n", &a);

return 0;

}

a) Error: in printf b) Error: in emp int xx;

c) No error. d) None of these.

Q. 57. Point out the error in the following program.

#include<stdio.h>

int main()

{

int (\*p)() = fun;

(\*p)();

return 0;

}

int fun()

{

printf("IndiaBix.com\n");

return 0;

}

a) Error: in int(\*p)() = fun;

b) Error: fun() prototype not defined

c) No error

d) None of these

Q. 58. Which of the following operations are INCORRECT?

a) int i = 35; i = i%5; b)short int j = 255; j = j;

c) long int k = 365L; k = k; d) float a = 3.14; a = a%3;

Q. 59. Which of the following correctly represents a long double constant?

a) 6.68 b) 6.68L

c) 6.68f d) 6.68LF

Q. 60. Which of the structure is incorrcet?

1 : struct aa

{

int a;

float b;

};

2 : struct aa

{

int a;

float b;

struct aa var;

};

3 : struct aa

{

int a;

float b;

struct aa \*var;

};

a) 1 b) 2

c) 3 d) 1, 2, 3

Q. 61. What will function gcvt() do?

a) Convert vector to integer value

b) Convert floating-point number to a string

c) Convert 2D array in to 1D array.

d) Covert multi Dimensional array to 1D array

Q. 62. If the binary eauivalent of 5.375 in normalised form is 0100 0000 1010 1100 0000 0000 0000 0000, what will be the output of the program (on intel machine)?

#include<stdio.h>

#include<math.h>

int main()

{

float a=5.375;

char \*p;

int i;

p = (char\*)&a;

for(i=0; i<=3; i++)  
 printf("%02x\n", (unsigned char)p[i]);

return 0;

}

a) 40 AC 00 00 b) 04 CA 00 00

c) 00 00 AC 40 d) 00 00 CA 04

Q. 63. Which of the following range is a valid long double (Turbo C in 16 bit DOS OS) ?

a) 3.4E-4932 to 1.1E+4932 b) 3.4E-4932 to 3.4E+4932

c) 1.1E-4932 to 1.1E+4932 d) 1.7E-4932 to 1.7E+4932

Q. 64. Which statement will you add in the following program to work it correctly?

#include<stdio.h>

int main()

{

printf("%f\n", log(36.0));

return 0;

}

a) #include<conio.h> b) #include<math.h>

c) #include<stdlib.h> d) #include<dos.h>

Q. 65. We want to round off x, a float, to an int value, The correct way to do is

a) y = (int)(x + 0.5) b) y = int(x + 0.5)

c) y = (int)x + 0.5 d) y = (int)((int)x + 0.5)

Q. 66 You have 10 users plugged into a hub running 10Mbps half-duplex. There is a server connected to

the switch running 10Mbps half-duplex as well. How much bandwidth does each host have to the

server?

A. 100 kbps

B. 1 Mbps

C. 2 Mbps

D. 10 Mbps

Q. 67. Which WLAN IEEE specification allows up to 54Mbps at 2.4GHz?

A. A B. B

C. G D. N

Q. 68. An on-line commercial site such as Amazon.com is an example of a(n) \_\_\_\_\_\_\_\_ .

A. single-user database application

B. multiuser database application

C. e-commerce database application

D. data mining database application

Q. 69. Which of the following products was the first to implement true relational algebra in a PC DBMS?

A. IDMS B. Oracle

C. dBase-II D. R:base

Answers- 56. B, 57. B, 58. D, 59. B, 60. B, 61. B, 62. C, 63. A, 64. B, 65. A, 66. D, 67. C,

68. C, 69. D