

2011 ZS Associates Placement Paper - II:-

1. Output of the following program is

```
main()
{int i=0;
for(i=0;i<20;i++)
{switch(i)
case 0:i+=5;
case 1:i+=2;
case 5:i+=5;
default i+=4;
break;}
printf("%d",i);
}
}
```

- a) 0,5,9,13,17
 - b) 5,9,13,17
 - c) 12,17,22
 - d) 16,21
 - e) Syntax error
- Ans. (d)**

2. What is the output in the following program

```
main()
{char c=-64;
int i=-32
unsigned int u =-16;
if(c>i)
{printf("pass1,");
if(c
printf("pass2");
else
printf("Fail2");
}
else
printf("Fail1");
if(i
printf("pass2");
else
printf("Fail2")
}
```

- a) Pass1,Pass2
- b) Pass1,Fail2
- c) Fail1,Pass2

- d) Fail1,Fail2
- e) None of these

Ans. (c)

3. In the process table entry for the kernel process, the process id value is

- (a) 0
- (b) 1
- (c) 2
- (d) 255
- (e) it does not have a process table entry

Ans. (a)

4. Which of the following API is used to hide a window

- a) ShowWindow
- b) EnableWindow
- c) MoveWindow
- d) SetWindowPlacement
- e) None of the above

Ans. (a)

5. What will the following program do?

```
void main()
{
int i;
char a[]="String";
char *p="New Sring";
char *Temp;
Temp=a;
a=malloc(strlen(p) + 1);
strcpy(a,p); //Line number:9//
p = malloc(strlen(Temp) + 1);
strcpy(p,Temp);
printf("(%s, %s)",a,p);
free(p);
free(a);
} //Line number 15//
```

- a) Swap contents of p & a and print:(New string, string)
- b) Generate compilation error in line number 8
- c) Generate compilation error in line number 5
- d) Generate compilation error in line number 7
- e) Generate compilation error in line number 1

Ans. (b)

6.

```
struct Foo
{
```

```
char *pName;
char *pAddress;
};

main()
{
struct Foo *obj = malloc(sizeof(struct Foo));
clrscr();
obj->pName = malloc(100);
obj->pAddress = malloc(100);

strcpy(obj->pName, "Your Name");
strcpy(obj->pAddress, "Your Address");

free(obj);
printf("%s", obj->pName);
printf("%s", obj->pAddress);
}
```

- a. Your Name, Your Address
- b. Your Address, Your Address
- c. Your Name Your Name
- d. None of the above

Ans: d) printf Nothing, as after free(obj), no memory is there containing obj->pName & obj->pAddress

7..

```
main()
{
char *a = "Hello ";
char *b = "World";
clrscr();
printf("%s", strcat(a,b));
}
```

- a. Hello
- b. Hello World
- c. HelloWorld
- d. None of the above

Ans: b)

8.

```
main()
{
char *a = "Hello ";
```

```
char *b = "World";  
clrscr();  
printf("%s", strcpy(a,b));  
}
```

- a. "Hello"
- b. "Hello World"
- c. "HelloWorld"
- d. None of the above

Ans: d) World, copies World on a, overwrites Hello in a.

9.

```
void func1(int (*a)[10])  
{  
printf("Ok it works");  
}
```

```
void func2(int a[][10])  
{  
printf("Will this work?");  
}
```

```
main()  
{  
int a[10][10];  
func1(a);  
func2(a);  
}
```

- a. Ok it works
- b. Will this work?
- c. Ok it worksWill this work?
- d. None of the above

Ans: c)

10.

```
main()  
{  
printf("%d, %d", sizeof('c'), sizeof(100));  
}
```

- a. 2, 2
- b. 2, 100
- c. 4, 100
- d. 4, 4

Ans: a) 2, 2

11.

```
main()
{
int i = 100;
clrscr();
printf("%d", sizeof(sizeof(i)));
}
```

- a. 2
- b. 100
- c. 4
- d. none of the above

Ans: a) 2

12.

```
main()
{
int c = 5;
printf("%d", main||c);
}
```

- a. 1
- b. 5
- c. 0
- d. none of the above

Ans: a) 1, if we use main|c then error, illegal use of pointer

13. A memory chip has 8 data lines and 9 address lines. How many bytes can be stored on it?

- A. 511 B. 512 C. 500 D. 256

Ans: B

14. Which of the following devices requires the highest input data transferrate?

- A. mouse B. Keyboard C. Floppy disk D. CD

Ans: D

15. Complete the series:

20, 24, 6, 2, 8, ?

Ans: 12 (as $5.4=20$, $20+4=24$, $24/4=6$, $6-4=2$, $2.4=8$, $8+4=12$).

16. A farmer has two rectangular fields. The larger field has twice the length and 4 times the width of the smaller field. If the smaller field has area K , then the area of the larger field is greater than the area of the smaller field by what amount?

- (a) $6K$ (b) $8K$ (c) $12K$ (d) $7K$

17. Successive discounts of 20% and 15% are equal to a single discount of

- (a) 30%
(b) 32%
(c) 34%
(d) 35%
(e) 36

Ans . (b)

18. The petrol tank of an automobile can hold g liters. If a liters was removed when the tank was full, what part of the full tank was removed?

- (a) $g-a$
(b) g/a
(c) a/g
(d) $(g-a)/a$
(e) $(g-a)/g$

(Ans . (c))

19. If $x/y=4$ and y is not 0 what % of x is $2x-y$

- (a) 150%
(b) 175%
(c) 200%
(d) 250%

(Ans . (b))

20. A company contracts to paint 3 houses. Mr. Brown can paint a house in 6 days while Mr. Black would take 8 days and Mr. Blue 12 days. After 8 days Mr. Brown goes on vacation and Mr. Black begins to work for a period of 6 days. How many days will it take Mr. Blue to complete the contract?

- A. 7
B. 8
C. 11
D. 12

(Ans .C)

21. If a person walks at $\frac{4}{5}$ th of his usual speed he reaches 40min late. If he walks at his usual speed how much time does he travel.

Ans: 160min or 2hr 40min

22. In a class 80% have passed English, 70% passed Hindi 10% did not pass either. If 144 students passed both. What is the total strength of the class.

Ans: 240.

23. Find the least number when divided by 7 gives the remainder 6, when divided by 6 gives remainder 5, when divided by 5 gives remainder 4 and so on....

Ans: 419

24 If a man stands in front of the sun what is the first letter of the direction which is left to him:

Ans: North(N)

25. After execution of CMP, an instruction in Intel 8085 microprocessor

- (a) ZF is set and CY is reset.
- (b) ZF is set CY is unchanged
- (c) ZF is reset, CY is set
- (d) ZF is reset, CY is unchanged.

Ans. A

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