

Zensar Technologies Written Exam 2011

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Q1. Complexity of merge sort .?

Q2. Which sorting also will use to sort {1,2,3,4,5} ?

Q3. Which cpu register holds the address of next instruction?

Q4. What is the output?

```
Main(){
Char *p[]=?pradeep mani?;
Printf(?"%c%c%c%c?",p[i],i[p],(*p+1),*(p+1));
}
```

Q5. Select * from dual ; output..??

Q6. if(fp = fopen("dfas", "r") == NULL), what is the value of fp

- a. NULL
- b. 0
- c. 1
- d. 0 or 1

Q7. What is the output?

```
#define sqr(x) x*x, what is value of j if j = 2 * sqr(3 + 4)
```

Q8. #define FILENAME(extension) test_##extension, how will it print FILENAME(back)

- a. test_back
- b. test_#back
- c. test_##back

Q9. What is the output?

```
char *p = "hello world"
p[0] = H, what will be printf("%s", p);
```

- a. Hello world
- b. hello world

- c. H
- d. compile error

Q10. int fun(), how do u define pointer to this function ??

Q11. What is meant by int (* xyz)[13]

Q12. What is true from

- a. base class reference is compatible with child class
- b. child class reference is compatible with base class
- c. no reference to class

Q13. What is true?

```
class b class a
{ friend class b }
```

- a. a can access all protected and public members in b
- b. b can access all protected and public members in a
- c. a can access all members of a
- d. b can access all members of b

Q14 : What is the output

```
#include
main()
{ int n=0; int i; i=2; switch(1)
{ case 0:do{ case 1:n++; case 2:n++; } while(--i>0); }
printf("n=%d",n); }
```

- a. compile error
- b. 4
- c. 1
- d. 0

Q15.The cost of an item is Rs 12.60. If the profit is 10% over selling price what is the selling price ?

ANS: Rs 13.86/-

Q16. There are 6 red shoes & 4 green shoes . If two of red shoes are drawn what is the probability of getting red shoes

ANS: $\frac{6c2}{10c2}$

Q17. To 15 lts of water containing 20% alcohol, we add 5 lts of pure water. What is % alcohol.

ANS: 15%

Q18. A worker is paid Rs.20/- for a full days work. He works $1, 1/3, 2/3, 1/8, 3/4$ days in a week. What is the total amount paid for that worker ?

ANS: 57.50

Q19. A boat travels 20 kms upstream in 6 hrs and 18 kms downstream in 4 hrs. Find the speed of the boat in still water and the speed of the water current?

- (a) $1/2$ kmph
- (b) $7/12$ kmph
- (c) 5 kmph
- (d) none of these

ANS: (b)

Q20. A goat is tied to one corner of a square plot of side 12m by a rope 7m long. Find the area it can graze?

- (a) 38.5 sq.m
- (b) 155 sq.m
- (c) 144 sq.m
- (d) 19.25 sq.m

ANS: a