**Zensar Technology Placement Paper**

1. A, B and C contract a work for Rs. 550.  Together A and B are supposed to do 7/11th of the work.  How much does C get?  
        
   (a) Rs. 270  
   (b) Rs. 200  
   (c) Rs. 310  
   (d) Rs. 175  
   (e) None of these  
        
   Ans: ( b ) Rs. 200
2. What is the output of the program  
   #include<stdio.h>  
   #include<conio.h>  
   void main()  
   {  
   int i=1\*4/3-27%3^2+100\*0.5-(4>3?1:2);  
   clrscr();  
   printf("%d",i);  
   getch();  
   }  
   // A. 49  
   // B. compile error  
   // c. 51  
   // D. 48  
   Ans: b
3. How many meaningful English word can be formed by using the second, the fifth, the seventh and the tenth letters of the word APPROPRIATION, each only once, but in different sequence ?  
        
   (a) One  
   (b) Two  
   (c) Three  
   (d) None of these  
   (e) More than three  
     
   Ans: ( a ) One
4. Four of the following five are alike in a certain way and hence form a group. Which one of the following does not belong to that group?  
        
   (a) 21  
   (b) 35  
   (c) 49  
   (d) 63  
   (e) 56  
        
   Ans:( c ) 49
5. one que like  
   main()  
   {  
   int x=5, y;  
   y= x\*x++ \* ++x ;  
   // print x and y  
   }
6. calculating the no of bits required for the error detection & the error correction for the given  
   codeword set.  
   codeword a:  
   0000  
   0001  
   0011  
   1111  
   codeword b:  
   101111  
   .  
   .  
   .  
   .  
   110101
7. one bottle is half-full of oil and another bottle with twice the capacity is one quarter full of oil. if water is added so that both the bottles are full and the contents of both are then poured into a third bottle that is empty and large enough to hold the contents of both, what fractions of the contents in the third bottle is oil?  
     
   a)1/4 b)1/3 c)3/8 d)2/3  
     
   ans:b)1/3
8. don and his wife each receive an 8 percent annual raise. if don receives a raise rs.800 and his wife receives a raise of rs. 840, what is the difference between their annual income after their raises?  
     
   a)40 b)460 c)500 d)540  
     
   ans:d)540
9. An investor purchased a shares of stock at a certain price. If the stock increased in price Rs 0.25 per share and the total increase for the x shares was Rs 12.50, how many shares of stock had been purchased ?  
     
   (A)25 (B)50 (C)75 (D)100 (E)125  
     
   Ans :B)50
10. a man is standing on the bridge 180 mtr long. Man observes that train passes him 8 sec. while it crosses bridge in 20 sec. find the length of the train.  
      
    Ans=120 mtr.  
      
    .what is the priority level of (),++,/
11. (),/,++ 2.++.(),/ like that  
      
    ans-1
12. int a=1.1  
    float b=1.1  
    if (a==b)  
    {  
    printf("both are same")  
    }  
    else  
    {  
    printf("both are differnt")  
    }  
    what will be output of the above programme?
13. pqrs is a rectangle having area 50. rx=1/4sr.what is the area of pqxs?  
      
    a.37.5 b.42.5 c.12 d.3
14. There are 6 red shoes & 4 green shoes . If two of red shoes are drawn what is the probability of getting red shoes  
      
    (Ans : 6c2/10c2)
15. To 15 lts of water containing 20% alcohol, we add 5 lts of pure water. What is % alcohol.  
      
    (Ans : 15% )
16. .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 )
17. 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)
18. 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)
19. what is meant by int (\* xyz)[13]
20. what is true from  
      
    a. base call reference is compatible with child class  
    b. child class reference is compatible with base class  
    c. no reference to class  
    d. ??
21. class b class a  
    { friend class b }  
    then what is true  
      
    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
22. 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
23. 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/- )
24. if(fp = fopen(\"dfas\",\"r\") == NULL), what is the value of fp  
      
    a. NULL  
    b. 0  
    c. 1  
    d. 0 or 1
25. #define sqr(x) x\*x, what is value of j if j = 2 \* sqr(3 + 4)
26. #define FILENAME(extension) test\_##extension, how will it print FILENAME(back)  
      
    a. test\_back  
    b. test\_#back  
    c. test\_##back  
    d. ??
27. char \*p = \"hello world\"  
    p[0] = \'H\', what will be printf(\"%s\", p);  
      
    a. Hello world  
    b. hello world  
    c. H  
    d. compile error
28. int fun(), how do u define pointer to this function ??  
      
    1. complexity of merge sort .?
29. which sorting also will use to sort {1,2,3,4,5} ?
30. which cpu register holds the address of next instruction?
31. Main(){  
    Char \*p[]=?pradeep mani?;  
    Printf(?%c%c%c%c?,p[i],i[p],(\*p+1),\*(p+1));  
    }
32. select \* from dual ; output..??