

Sample Questions

- Number of Weights needed for weighing 1 to 40 kgs? 27 9 3 1 ans : 4
- Venn diagram problem venndiagram find the formulae. Ans. $(AB+BC+CA)(A'+B'+C')$
- $a + 2b = 6, ab = 4$ $2/a + 1/b = ?$ ans : $3/2$
- Age of 4 persons given in a relation find smallest age? ans : meera
- find floating point result $(\text{float})25/2, \text{float}(25/2), 25/(\text{float})2, 25/2$ ans: 1 & 3
- find equivalent $*(s+x)+y ==> s[x][y]$ ans : content of $s[x][y]$
- find invalid statement : `int a[3]`
 - `scanf("%d",a[2]);`
 - `scanf("%d",&a[2]);`
 - `scanf("%d",a);`
 - allans : 1
- One palindrome programme was given in recursion ans : `pal(f++,t--)`
- main program:

```
i=foo(2) foo(int s)
{
if(!s)
return s;
else
{ int i=5; return i}
}
ans : 5
```
- ```
k=0 i=0j=1;
if(i0)&&(k=2) printf(k);
if(i0|| k=0)
printf(k)
ans: 2 2
```
- cube is moulded as a sphere. find the ratio of cube of surface area of sphere to square of surface area of cube. ans  $\pi/6$
- Teacher in math=4 p6=3 kmistry=3 each can take 2 subject minimum teacher needed for school ans : 5
- 3 vowels, 4 consonants formulate string of 6 letters with a vowel in a string max no of string ? ans: 5040
- binary of .6875. 0.1011
- man walks at speed of 8 km/h 300 mtrs length train crosses man in 30 sec from back, find speed of train ans: 44 km/hr
- main()

```
{
char ch;
int count=0;
while((ch = getch() != '\n')
{
while (ch == ' ')
ch = getch();
while((ch!=' ') && (ch!='.'))
{
count++;
ch=getch();
}
```

```
}
}
ans : 11
```

17. Radius of a circle is 5cm , if we draw a rectangle of maximum size, what is the area of rectangle ans : 50 cmsq

```
18. main()
{
 int i;
 for(i=0;i<3;i++)
 switch(i)
 {
 case 1: printf("%d",i);
 case 2 : printf("%d",i);
 default: printf("%d",i);
 }
}
ans 011122
```

19. There r 3 boys 7 4 girls; Howmany ways they r arranged such that boys should be always together ???Ans: 240

20. If n.....; What is the max no that divides (Ans: 8)

21. A,B,C,D has values from 0 to 9.... What is D ? (Ans: 6)

22. A wodden piece taken which is in shape of Triangle , of 10 X 24 X 26 ; Then cut at some ..... which is rearranged in rectangle format; so what is ... (Ans: 5)

23. There r 5 numbers. The average is 25; the highest value excluded then average is 25, if the lowest is excluded the avg is ..Then average of remaining is ? (Ans: 30)

24. The square is cut such that the end point of one side is shown in fig.. This is repeated two times, what is the area ?? (Ans: 3.61)

25. The route problem... what is the shortest rout to p1 to p2... (There may be circle figure.....) (Ans: From p1 to 0 & form 0 to p8)

26. Two motor cycles A & B are started from one point at 4 Kmph & 6 Kmph; After 45 min B starts returning , at what time they will reach.... (Ans: 3.6 km)

27. All integer from 0 to 9, what is the smallest no perfectly devides; (Ans: c)

28. Some figure (Triangle in a rectangle)..... What is perimeter if triangle (Ans: 20)