Giri's Tech Hub Pvt.Ltd, Pune

MCQ Test

Batch: Aug/Sep-25

Date: 16/12/2025

Time: 08:00 to 09:00 Am

Aptitude Section :

01. The average of first 99 even numbers are: (a) 9999 (b) 100 (c) 9801 (d) 9009

02. The average of a, b and c is 79 and the average of a and c is also 79. Then the value of b is: (a) 0 (b) 79 (c) − 79 (d) none of these

03. The average value of property of Mittal, Ambani and Singhania is Rs 11111 crore. The property of Singhania is as less as the property of Mittal is greater than the average property of both the Singhania and Mittal. The value of property of Ambani is: (a) Rs 111 crore (b) Rs 11111 crore (c) Rs 3703.7 crore (d) can't be determined

04. I went to Delhi @ speed of 200 km/hr but suddenly I returned to the same place @ speed of 600 km/hr. What is my average speed: (a) 300 km/hr (b) 400 km/hr (c) 366.66 km/hr (d) none of these

05. The average of A and B and is 400 and the average of C and D is 600 the average of A, B, C and D is: (a) 500 (b) 450 (c) 525 (d) 625

06. The average weight of liquid in 100 bottles is 500 gm. The total weight of all the bottles is 20 kg. The average weight of a bottle with liquid is: (a) 0.65 kg (b) 0.7 kg (c) 70 ml (d) none of these

07. The average score of Sehwag in 10 innings was 77 runs. In the 11th innings he had scored zero runs. The overall average score of Sehwag in all the 11 innings was: (a) 77 (b) 7.7 (c) 11 (d) none of these

08. The average age of 3 children of Arihant Singh is 12 years and their ratio of ages is 3: 4: 5. The average age of the youngest and eldest child is if he had only 3 children: (a) 12 (b) 21 (c) 8 (d) 9

09. The average income of all the Infosys employees is Rs 20000 per month. Recently the company announced the increment of Rs 2000 per month for all the employees. The new average of all the employees is: (a) Rs 22000 (b) Rs 40000 (c) Rs 2200 (d) data insufficient

10. The average age of 10 students in a class is 20 years, if a new student is also included, then the new average age of all the students increases by 1 year. The age of the new student is: (a) 21 years (b) 30 years (c) 31 years (d) none of these

TEST PAPER Ratio and Proportion (10 Questions)

11. A goldsmith has 361 rings of gold. He sells some of them at a loss of 4% and rest at a profit of 15% making overall profit of 8%. Find the no. of rings sold at a profit of 15%: (a) 171 (b) 133 (c) 218 (d) 228

12. Michel travelled from New York to New Jersey covering total distance of 250 mile in 8 h partly by car at 30 mile/h and rest by train at 35 mile/h. The distance travelled by car is: (a) 150 mile (b) 80 mile (c) 220 mile (d) 180 mile

13. A rabbit takes 22 leaps for every 17 leaps of cat and 22 leaps of a rabbit are equal to 17 leaps of the cat. What is the ratio of the speeds of rabbit and cat? (a) 1: 1 (b) 484: 289 (c) 17: 22 (d) none of these

14. Rs 171 are divided among four friends in the ratio of 1/3: 1/4 :1/5 :1/6. What is the amount of the person who got the greatest share? (a) 14 (b) 40 (c) 36 (d) 60

15. 10 years ago the age of Karishma was 1/3 $^{rd.}$ of the age of Babita. 14 years hence the ratio of ages of Karishma and Babita will be 5: 9. Find the ratio of their present ages: (a) 13: 29 (b) 11: 27 (c) 29: 17 (d) 13: 25

16. The ratio of numerator to a denominator of a fraction is 1/5 when x and 5x are added to the numerator and denominator respectively to the given fraction then the ratio of the new fraction will be: (a) 1: 1 (b) 1: 2: (c) 1: 5 (d) 2: 7

17. x varies directly as y and x varies inversely as the square of z. When y=75 x=6 and, then z = 5. Find the value of x when y = 24 and z = 4 (a) 1 (b) 2 (c) 3 (d) 4

18. x varies directly as ($y^2 + z^2$). At y=1 and z=2, the value of x is 15. Find the value of z, when x = 39 and y = 2 (a) 2 (b) 3 (c) 4 (d) 6

19. Weight of a sumo jointly varies as his height and his age. When height is 1.2 m and age is 20 years his weight is 48 kg. Find the weight of the sumo when his height is 1.5 metre and age is 30 years (a) 60 kg (b) 72 kg (c) 90 kg (d) 58 kg

20. If (a+b): (b+c): (c+a) = 5: 6: 9 and a+ b+ c = 10. What is the value of c: (a) 2 (b) 3 (c) 5 (d) 7

Technical Section :

1. What will be output of the given code?

```
int[] a = {1,2,3,4,5};
for(int i=0;i<a.length;i++){
   a[i] = a[(a[i]-1)];
}
System.out.print(a[3]);
```

A) 3 B) 4 C) 2 D) 5

2. What will be output of the given code?

```
static int fun(int n){
   if(n==0) return 1;
   return n * fun(n-2);
}
public static void main(String[] args){
   System.out.print(fun(5));
}
```

A) 15 B) 10 C) 8 D) StackOverflowError

3. What will be output of the given code?

```
int i=0;
while(i<5){
   if(i==3)
      break;
   i++;
}
System.out.print(i);
```

A) 3 **B) 4** **C) 2** **D) Infinite Loop**

4. What will be output of the given code?

```
static void fun(int x[]){
   x[0] = 99;
}
public static void main(String[] args){
   int a[] = {10,20,30};
   fun(a);
   System.out.print(a[0]);
}
```

A) 10 **B) 20** **C) 99** **D) Error**

5. What will be output of the given code?

```
for(int i=1;i<=5;i++){
   if(i==3) continue;
   System.out.print(i);
}
```

A) 12345 **B) 1245** **C) 1345** **D) 12**

6. What will be output of the given code?

```
int i=1;
do{
   i++;
}while(i<=5);
System.out.print(i);
```

A) 5 **B) 6** **C) 7** **D) Infinite Loop**

7. What will be output of the given code?

```
static int fun(int n){
   if(n<=1) return n;
   return fun(n-1)+fun(n-2);
}
System.out.print(fun(4));
```

A) 3 **B) 4** **C) 5** **D) 6**

8. What will be output of the given code?

```
int i=0;
for(System.out.print("A"); i<1; System.out.print("B")){
   i++;
}
```

A) A **B) AB** **C) ABB** **D) Compile Error**

9. What will be output of the given code?

```
int i=0;
while(i++ < 5){
   System.out.print(i);
}
```

A) 12345 **B) 23456** **C) 01234** **D) Infinite Loop**

10. What will be output of the given code?

```
static int fun(int n){
   if(n==1) return 1;
   return fun(n/2)+fun(n/2);
}
System.out.print(fun(8));
```

A) 4 **B) 8** **C) 16** **D) Infinite Recursion**

11. What will be output of the given code?

```
for(int i=1;i<=5;i++){
   for(int j=1;j<=i;j++){
      if(j==2) break;
      System.out.print(j);
   }
}
```

A) 11111 **B) 12345** **C) 1111** **D) 11111 (5 times 1)**

12. What will be output of the given code?

```
static int fun(int n){
   if(n==0) return 0;
   return n + fun(n-1);
}
System.out.print(fun(3));
```

A) 3 **B) 5** **C) 6** **D) 9**

13. What will be output of the given code?

```
int i=5;
while(i>0){
   System.out.print(i--);
}
```

A) 54321 **B) 43210** **C) 01234** **D) Infinite Loop**

14. What will be output of the given code?

```
static int fun(int n){
   if(n<=0) return 0;
   return fun(n-1);
}
System.out.print(fun(5));
```

A) 5 **B) 1** **C) 0** **D) StackOverflowError**

15. What will be output of the given code?

```
static int fun(int n){
   if(n==0) return 1;
   return fun(n-1) + fun(n-1);
}
public static void main(String[] args){
   System.out.print(fun(3));
}
```

A) 4 **B) 6** **C) 8** **D) 16**

16. What will be output of the given code?

```
static int fun(int n){
   if(n==1) return 1;
   return n + fun(n/2);
}
public static void main(String[] args){
   System.out.print(fun(8));
}
```

A) 15 **B) 11** **C) 13** **D) 8**

17. What will be output of the given code?

```
static int fun(int n){
   if(n==0) return 0;
   if(n==1) return 1;
   return fun(n-1) + fun(n-2);
}
public static void main(String[] args){
   System.out.print(fun(5));
}
```

A) 3 **B) 5** **C) 8** **D) 13**

18. What will be output of the given code?

```
int[] a = {10,20,30,40};
for(int i=0;i<a.length;i++){
   a[i] = a[a.length - i - 1];
}
System.out.print(a[1]);
```

A) 20 **B) 30** **C) 40** **D) 10**

19. What will be output of the given code?

```
int[] a = {3,1,2};
for(int i=0;i<a.length;i++){
   a[i] = a[a[i] % a.length];
}
System.out.print(a[0] + a[1] + a[2]);
```

A) 6 **B) 7** **C) 8** **D) Runtime Error**

20. What will be output of the given code?

```
int[] a = {2,0,1};
int i = 0;
do{
   i = a[i];
}while(i < a.length);
System.out.print(i);
```

A) 0 **B) 1** **C) 2** **D) Infinite Loop**

NAME OF STUDENT: _____

BATCH: _____

01		02		03		04		05	
06		07		08		09		10	
11		12		13		14		15	
16		17		18		19		20	
21		22		23		24		25	
26		27		28		29		30	
31		32		33		34		35	
36		37		38		39		40	