

Previous Year AgreeYa Solutions Aptitude Technical Test Paper

Q1. If A wins in a race against B by 10 mts in a 100 Meter race, if B is behind of A by 10 mts, then they start running race, who will won?

ANS: A

Q2. In a game I won 12 games, each game if I loose I will give you one chocolate, you have 8 chocolates how many games played?

ANS: 32

Q3. What is the probability to get tail, at least once when 6 coins are tossed simultaneously?

ANS: 63/64.

Q4. 75 persons major in physics, 83 major in chemistry, 10 not at major in these subjects. Find number of students majoring in both subjects.

ANS: 68.

Q5. Five friends can sit in 120 ways, how many arrangements are possible if Mohan has to sit in the middle?

Q6. What is the output of the following program?

```
# define swap (a,b) temp = a; a=b; b=temp;
main( )
{
```

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```
int i, j, temp;  
i=5;  
j=10;  
temp=0;  
if( i > j)  
swap( i, j );  
printf( %d %d %d, i, j, temp);  
}
```

ANS: 10, 0, 0

Q7. In the following program:

```
main( )  
{  
unsigned int i=3;  
while( i >=0)  
printf( %d, i--);  
}
```

how many times will the printf statement be executed?

- a) 0
- b) 3
- c) 4
- d) infinite

Q8. Output of the following program is:

```
main()  
{int i=0;  
for(i=0;i<20;i++)
```

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```
{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

Q9. What is the output of the following program?

```
main( )
{
int x, y, z;
x=2;
y=5;
z= x+++y;
printf("%d %d %d, x, y z);
}
```

- a) 3 5 7
- b) 5 7 9
- c) 6 8 5
- d) 3 6 9

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ANS: a

Q10. 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)

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}
```

ANS: 10, 0, 0

Q7. In the following program:

```
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- a) 0, 5, 9, 13, 17
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ANS: d

Q9. What is the output of the following program?

```
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}
```

- a) 3 5 7
- b) 5 7 9
- c) 6 8 5
- d) 3 6 9

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ANS: a

Q10. What is the output in the following program?

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{char c=-64;
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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)