

## Convergys Previous Paper Questions

Q1. There is 31 days in the month of January. If there is 4 Sundays and 4 Thursdays exactly, what day is the first day of the month?

- a) Monday
- b) Tuesday
- c) Wednesday
- d) Thursday

**ANS:** a) Monday.

Q2. A plane goes from Chicago to Columbus and then comes back. It takes the same time to travel in either ways. It leave Chicago early in the morning 0644 LOCAL TIME and reaches the destination Columbus at 0849 LOCAL TIME. In the same evening it leave Columbus at 1625 hrs LOCAL TIME and reaches the destination at 1638 LOCAL TIME. Find the time that the plane takes to travel either way?

**ANS:** 69 mins

Q3. Ganesh and Shankar travel abroad and take more luggage than the airlines allow. They have to pay extra money for it. They carry 52 kgs together and pay \$60 and \$100 respectively. Now, if the same luggage was carried by only Ganesh it would cost him \$340. If the airlines charges only at one rate for extra luggage what is the maximum luggage that a person can carry without paying extra?

**ANS:** 18 kgs

Q4. One day the Finance minister decides that the country should have only 33 paise and 56 paise. If there are two traders having enough change in the two denominations, what is the minimum amount for which they can transact?

**ANS: 3**

Q5. There are 5 tyres including a spare tyre. Total number of Kms to be covered is 10000 and each tyre should run equally. How many Kms does each tyre run?

- a) 7500
- b) 8000
- c) 8500
- d) 9000

**ANS: 8000**

Q6. Bacteria double every 3 mins. It is N in 1 hour, when was it N/4?

**ANS: 54 minutes.**

Q7. Out of the following numbers which is the greatest number when 7 times that number is  $< 100$ ?

- a) 12
- b) 13
- c) 15
- d) 14

**ANS: d) 14**

Q8. All the children were arranged in rows. All the rows containing equal number of students. If 4 students were removed from each row 10 more rows had to be added. If 5 students were added in each row, number of rows were reduced by 8. Find the number of children.

- a) 400
- b) 500

- c) 600
- d) 800

**ANS:** d) 800

Q9. There is a 14 digit credit card number in which every 3 consecutive digits add to 20. Here is a part of it. Find the value of x?

\_\_\_ 9 \_\_\_ x \_\_\_ 7 \_\_\_

**ANS:** 4

Q10. Number of digits with a 2 in them between 100 and 400?

**ANS:** 138

Q11. There are 6 consecutive numbers P, Q, R, S, T, U, not necessarily in that order. Given that, Q is 2 less than P, P is 3 less than T and R is 2 less than S, arrange them in an ascending order.

**ANS:** QRPSUT

Q12. Ram gets 148 marks for 20 questions. +10 for correct. -3 for wrong. How many correct answers?

**ANS:** 16

Q13.  $\frac{2}{3}$  of people read newspaper A,  $\frac{3}{4}$  read newspaper B. If 38 read both and 8 did not read any of the 2. How many read A?

**ANS:** 48

Language : C/C++

Q14. Encapsulation

- a) Aggregation of member objects
- b) Aggregation of member functions
- c) Used to incorporate data hiding

**ANS:** c

Q15.

```
i = 12
int *p = &i;
print (%d %d, p/p, *p**p)
```

Output

- a) 1144
- b) 144144
- c) O/p Error
- d) Junk

**ANS:** c

Q16. What is the output of the following program?

```
cout << ( cout << Hello )<< World
```

**ANS:** HelloWorld

Q17. Cin, Cout are

- a) Class
- b) Objects
- c) Methods

d) Keywords

**ANS:** b) objects

Q18.

```
Float_ptr = new float[100]
```

In order to deallocate this memory use

- a) delete float\_ptr
- b) delete [] float\_ptr
- c) delete float\_ptr [100]
- d) delete float\_ptr []

**ANS:** b

Q19. How to pass two arguments to a function prompted to by function pointer

- a) g -> (1,2)
- b) \*g(1,2)
- c) (\*g)(1,2)
- d) g(1,2)

**ANS:** c) (\*g)(1,2)

Q20. How will you retrieve the value stored in pointer variable a?

- a) a
- b) &a
- c) \*a

**ANS:** a

Q21. What is the output of the following program?

```
i=0;
a = 1;
b = 4;
swap(int a, int b)
{
int temp;
temp = a;
a = b;
b = a;
i = 1;
}
```

- a) 4 0 0
- b) 0 4 1
- c) 1 4 1
- d) Error

**ANS:** a) 4 0 0

Q22. Difference between member function and a constructor.

**ANS:** constructor cannot return value.

Q23. How will you keep the existing values of an array when enlarging it?

**ANS:** Using Redim Preserve

Q24. Resume used in conjunction with

- a) On Error
- b) Error
- c) Error GOTO

**ANS:** c) On Error

Q25. What is the output of the following program?

```
Dim Counter;  
For Counter = True to False  
Print Counter  
Next
```

- a) Error msg
- b) True False
- c) -1 0
- d) True

**ANS:** c) -1 0