

Previous Year R Systems Written Placement Test Questions And Answers

Q1. There are 6 red shoes & 4 green shoes. If two of red shoes are drawn what is the probability of getting red shoes?

ANS: $\frac{6}{10} \times \frac{5}{9}$

Q2. A company contracts to paint 3 houses. Mr. Brown can paint a house in 6 days while Mr. Black would take 8 days and Mr. Blue 12 days. After 8 days Mr. Brown goes on vacation and Mr. Black begins to work for a period of 6 days. How many days will it take Mr. Blue to complete the contract?

- A. 7
- B. 8
- C. 11
- D. 12

ANS: C

Q3. A men take 21 days of 8 hrs each to do a piece of work. How many days of 6 hrs each would it take for 21 women if 3 women do as much work as 2 men?

- A. 30
- B. 20
- C. 19
- D. 29

ANS: A

Q4. What is the output of the following program?

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```
main()
{int i=3;
while(i--)
{
int i=100
i--;
printf("%d..",i);
}
}
```

- A. infinite loop
- B. error
- C. 99..99..99..99
- D. 3..22..1..

ANS: C

Q5. What is the output of the following program?

```
main()
{ int l=-3, j=2, k=0, m;
m= ++ l && ++j || ++k;
printf(
%d%d%D, l, j, k, m);
```

- A. 2 3 0 1
- B. 2 3 1 1
- C. 2 3 1 0
- D. 2 3 0 0

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Q1. My rack contains 8 Red colour ties, 13 violate colour ties, 10 Blue colour ties, 5 Pink colour ties, 4 green colour ties. If electricity gone and I want at least two ties of same colour then how many ties I should take out from my rack?

ANS: 6 ties.

Q2. A 31 x 31 square metal plate needs to be fixed by a carpenter on to a wooden board. The carpenter uses nails all along the edges of the square such that there are 32 nails on each side of the square. Each nail is at the same distance from the neighboring nails. How many nails does the carpenter use?

ANS: 124

Q3. 20 men can do a work in $c/2$ days & 30 women can do the same work in $c/3$ days then how many days will take to complete the work when 20 men & 30 women work together?

- a) $5c/6$
- b) $c/6$
- c) $6c/5$

Q4. What is the output of the following program?

```
int i=10;
main();
{
    int i=20, n;
    for(n=0; n<=i;)
    {
        int i = 10
```

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```
i++;  
}  
printf("%d", i);
```

ANS: i= 20

Q5. What is the output of the following program?

```
f(*p)  
{  
p=(char *) malloc(6);  
p=hello;  
return;  
}  
main()  
{  
char *p = bye;  
f(p);  
printf("%s", p);  
}
```

ANS: bye

Q1. $11 - 12 - 13 = 234$, $24 - 23 - 35 = 658$, $31 - 43 - 54 = ?$

- a) 497
- b) 974
- c) 749
- d) 479

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Q2. Find the missing term: 24, 28, ? , 52, 84

Q3. Which one set of letters when sequentially placed at the gaps in the given letter Series shall complete it?

H-JH-IJHHI-HH-JH

- a) IHJI
- b) HIHI
- c) IHIJ
- d) HJHJ

Q4. Science Express campaign was held in collaboration of India and which country?

- a) Japan
- b) France
- c) India
- d) USA

Q5. Find the missing letters: DHL, PTX, BFJ, ?

- a) NRV
- b) RVZ
- c) CGK
- d) KOS

Q6. A is the sister of B, B is the brother of C, C is the son of D. How is D related to A?

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- a) Mother
- b) Daughter
- c) Son
- d) Uncle

Q7. AZBY: DWEV: HSIR: ?

- a) JQKO
- b) KPOL
- c) KPLO
- d) KOLP

Q8. Anand Math was written by ----.

- a) Rabindranath Tagore
- b) BC Chatterjee
- c) Sarojini Naidu
- d) Sri Aurobindo

ANS: b) BC Chatterjee

Q9. What is the output of the following program?

```
#define swap1(a,b) a = a+b; b = a-b; a = a-b;
main()
{
int x=5,y=10;
swap1(x, y);
printf("%d %d", x, y);
```

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```
swap2(x, y);  
printf("%d %d", x, y);  
}  
int swap2(int a, int b)  
{  
    int temp;  
    temp=a;  
    b=a;  
    a=temp;  
    return;  
}
```

Q10. What is the output of the following program?

```
#include  
main(){  
    char a[]=hellow;  
    char *b=hellow;  
    char c[5]=hellow;  
    printf("%s %s %s",a,b,c);  
    printf(" ,sizeof(a), sizeof(b), sizeof(c));  
}
```

ANS: hellow, hellow, hellow
6, 2, 5

Q11. What is the output of the following program?

```
main()  
{  
    char *p1= Name;
```

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```
char *p2;  
p2=(char *) malloc(20);  
while(*p2++ = *p1++);  
printf("%s", p2);  
}
```

Q12. What is the output of the following program?

```
main()  
{  
char a[2];  
*a[0]=7;  
*a[1]=5;  
printf("%d", &a[1] - a)
```

ANS: 1 (illegal initialization)

Q13. What is the output of the following program?

```
main()  
{  
int x=5;  
printf("%d %d %d", x, x<<2, x>>2);  
}
```

Q14. What is the output of the following program?

```
#include  
main()  
float value=10.00;
```


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```
printf(%g %0.2g %0.4g %f, value, value, value, value)
}
```

ANS: 10, 10, 10, 10.000000