

Unisys Placement Paper Questions

1. What is the output of the program

```
void main()
```

```
{
```

```
struct a
```

```
{
```

```
int i;
```

```
char *st1;
```

```
};
```

```
typedef struct a ST;
```

```
ST *str1;
```

```
str1=(ST*)malloc(100);
```

```
str1->i=100;
```

```
strcpy(str1->st1,"Welcome to Oracle");
```

```
printf(" %d%s\n",str1->i,str1->st1);
```

```
getch();
```

```
}
```

```
// A. core dump
```

```
// B. will not compile
```

```
// c. 100,Welcome to Oracle
```

```
// D. None of these
```

Ans: C

2. What is the output of the program

```
void main()
```

```
{
```

```
int i,j,k;

i=2;

j=4;

k=i++>j&2;

printf("%d\n",k);

if(++k && ++i<--j|| i++)

{

j=++k;

}

printf(" %d %d %d",i,-j--,k);

getch();

}
```

// A. 4,-3,2

// B. 5,-3,2

// c. 4,-2,2

// D. 5,-2,2

Ans: D

3. Find $(7x + 4y) / (x-2y)$ if $x/2y = 3/2$?

(a) 6 }

(b) 8

(c) 7

(d) data insufficient

(Ans . C)

4. If $2x-y=4$ then $6x-3y=?$

(a)15

(b)12

(c)18

(d)10

Ans.. (b)

5. If $x=y=2z$ and $xyz=256$ then what is the value of x ?

(a)12

(b)8

(c)16

(d)6

Ans.. (b)

6. $(1/10)^{18} - (1/10)^{20} = ?$

(a) $99/10^{20}$

(b) $99/10$

(c) 0.9

(d) none of these

Ans.. (a)

7. Pipe A can fill in 20 minutes and Pipe B in 30 mins and Pipe C can empty the same in 40 mins.If all of them work together, find the time taken to fill the tank

(a) $17 \frac{1}{7}$ mins

(b) 20 mins

(c) 8 mins

(d) none of these

Ans.. (a)

8. Thirty men take 20 days to complete a job working 9 hours a day.How many hour a day should 40 men work to complete the job?

(a) 8 hrs

(b) 7 1/2 hrs

(c) 7 hrs

(d) 9 hrs

Ans.. (b)

9. Find the smallest number in a GP whose sum is 38 and product 1728

(a) 12

(b) 20

(c) 8

(d) none of these

Ans.. (c)

10. How many squares with sides $\frac{1}{2}$ inch long are needed to cover a rectangle that is 4 ft long and 6 ft wide

(a) 24

(b) 96

(c) 3456

(d) 13824

(e) 14266

11. If $a = \frac{2}{3}b$, $b = \frac{2}{3}c$, and $c = \frac{2}{3}d$ what part of d is b ?

(a) $\frac{8}{27}$

(b) $\frac{4}{9}$

(c) $\frac{2}{3}$

(d) 75%

(e) $\frac{4}{3}$

Ans . (b)

12. 2598 Successive discounts of 20% and 15% are equal to a single discount of

(a) 30%

(b) 32%

(c) 34%

(d) 35%

(e) 36

Ans . (b)

13.If an item costs Rs.3 in 99 and Rs.203 in 00.What is the % increase in price?

(a) $200/3$ %

(b) $200/6$ %

(c) 100%

(d) none of these

(Ans . A)

14. 5 men or 8 women do equal amount of work in a day. a job requires 3 men and 5 women to finish the job in 10 days how many woman are required to finish the job in 14 days.

a) 10

b) 7

c) 6

d) 12

(Ans 7)

15. A simple interest amount of rs 5000 for six month is rs 200. what is the anual rate of interest?

a) 10%

b) 6%

c) 8%

d) 9%

(Ans 8%)

16. A man spends half of his salary on household expenses, $\frac{1}{4}$ th for rent, $\frac{1}{5}$ th for travel expenses, the man deposits the rest in a bank. If his monthly deposits in the bank amount 50, what is his monthly salary ?

(a) Rs.500

(b) Rs.1500

(c) Rs.1000

(d) Rs. 900

(Ans C)

17. The population of a city increases @ 4% p.a. There is an additional annual increase of 4% of the population due to the influx of job seekers, find the % increase in population after 2 years ?

18. The ratio of the number of boys and girls in a school is 3:2 Out of these 10% the boys and 25% of girls are scholarship holders. % of students who are not scholarship holders.?

19. Three pipes, A, B, & C are attached to a tank. A & B can fill it in 20 & 30 minutes respectively while C can empty it in 15 minutes. If A, B & C are kept open successively for 1 minute each, how soon will the tank be filled?

Ans.. 167 minutes.

20. A person walking $\frac{5}{6}$ of his usual rate is 40 minutes late. What is his usual time?

Ans.. 3 hours 20 minutes