

Unisys Sample Paper Questions

Q1. 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

Q2. 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: b

Q3. 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

Q4. 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

Q5. 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

Q6. If $2x - y = 4$ then $6x - 3y = ?$

- a) 15
- b) 12
- c) 18
- d) 10

ANS: b

Q7. Find $(7x + 4y) / (x - 2y)$ if $x/2y = 3/2$?

- a) 6
- b) 8
- c) 7
- d) data insufficient

ANS: c

Q8. If $x=y=2z$ and $xyz=256$ then what is the value of x ?

- a) 12
- b) 8
- c) 16
- d) 6

ANS: b

Q9. 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

Q10. $(1/10)^{18} - (1/10)^{20} = ?$

- a) $99/1020$
- b) $99/10$
- c) 0.9
- d) none of these

ANS: a

Q11. A simple interest amount of Rs. 5000 for six month is Rs. 200. What is the annual rate of interest?

- a) 10%
- b) 6%
- c) 8%
- d) 9%

ANS: c) 8%

Q12. 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

Q13. A person walking $\frac{5}{6}$ of his usual rate is 40 minutes late. What is his usual time?

ANS: 3 hours 20 minutes.

Q14. 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

Q15. 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

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ANS: c

Q16. 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. What is the % of students who are not scholarship holders?

Q17. 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?

Q18. 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.

Technical:

Q19. What is the output of the program?

```
void main()
{
int i,j,k;
i=2;
j=4;
k=i++>j&2;
printf("%d ,k);
if(++k && ++i<--j|| i++)
{
j=++k;
}
printf( %d %d %d,i,-j--,k);
getch();
```

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}

- a) 4, -3, 2
- b) 5, -3, 2
- c) 4, -2, 2
- d) 5, -2, 2

ANS: d

Q20. 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 ,str1->i,str1->st1);
    getch();
}
```

- a) core dump
- b) will not compile
- c) 100,Welcome to Oracle
- d) None of these

ANS: c

