

Philips Sample Paper Questions

Q1. Fresh mango consists of 70% water and dry mango consists of 10% water. Then 20 Kg of fresh mango is equivalent to how much of dry mango?

ANS: 6.66 kg

Q2. Manish goes 7 km towards South-East from his house, then he goes 14 km turning to West. After this he goes 7 km towards North West and in the end he goes 9 km towards East. How far is he from his house?

- a) 5 km
- b) 7 km
- c) 2 km
- d) 14 km
- e) None of these

ANS: a

Q3. Which common number should be added or subtracted to $\frac{17}{24}$ to make it $\frac{1}{2}$?

ANS: -10

Q4. If A's income is 25% less than B's, by what % is B's income greater than that of A?

- a) 35%
- b) 25%
- c) 30%
- d) None of these

ANS: d

Q5. On selling a certain commodity for Rs. 425, there is as much gain as loss on selling it for Rs. 355. The C.P. of the commodity is

- a) Rs. 370
- b) Rs. 385
- c) Rs. 390
- d) Rs. 400

ANS: c

Q6. A 1 k.m. long wire is held by n poles. If one pole is removed, the length of the gap becomes $\frac{12}{3}$ m. What is the number of poles initially?

ANS: 6 km

Q7. What does the hexa number E78 in radix 7.

- a) 12455
- b) 14153
- c) 14256
- d) 13541
- e) 131112

ANS: d

Q8. A person covered some distance in 12 hours. He covered half the distance by rail @ 75 km per hour and the rest by car @ 45 km/hr. The total distance covered by him was

- a) 450 km
- b) 675 km
- c) 337.5 km
- d) 1350 km

ANS: b

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Q9. Consider the following program listing

```
#include
main()
{
int a[3];
int *l;
a[0]=100;a[1]=200;a[2]=300;
l=a;
printf("%d , ++*l);
printf("%d , *++l);
printf("%d , (*l)--);
printf("%d , *l);
}
```

What is the output?

- a) 101,200,200,199
- b) 200,201,201,100
- c) 101,200,199,199
- d) 200,300,200,100

Q10. If each side of a rectangle is increased by 100%, by what % the area increases?

ANS: 100%