

Day-10

- (1) Dress marked at - \$150
a pair of jeans were priced at = \$50
40% discount on dress = $150 \times \frac{40}{100} = 60$
so price of dress after discount = \$90

20% discount on pair of jeans = $50 \times \frac{20}{100} = 10$

so price of jeans = $50 - 10 = \$40$

savings = $(150 + 50) - (90 + 40) = 70$

+ savings = $\frac{70}{200} \times 100 = 35\%$ (B)
(Ans)

- (2) C → ask the supervisor if she's aware of this situation.

- (3) in 30 min → 80 order of pasta
in 2 hr → $60 \times 4 = 2400$ pasta.
but $\frac{1}{3}$ of order with ~~pasta~~ jalapeno.
so, the pasta can be cook in
2 hours is $2400 \times \frac{1}{3} = 800$ orders (C)
(Ans)

(4) not found

(5) Code

- (6) By sorting the two strings and comparing if they are equal then they are anagram of each other.

2023/12/16 16:39

```

1 def count_vowels_and_consonants(string):
2     vowels = "aeiouAEIOU"
3     vowel_count = 0
4     consonant_count = 0
5
6     for char in string:
7         if char.isalpha():
8             if char in vowels:
9                 vowel_count += 1
10            else:
11                consonant_count += 1
12
13     return vowel_count, consonant_count
14
15 # Example
16 input_string = "Hello, World!"
17 vowels, consonants = count_vowels_and_consonants(input_string)
18
19 print(f"Number of vowels: {vowels}")
20 print(f"Number of consonants: {consonants}")
21

```

Compile Result

Number of vowels: 3

Number of consonants: 7

[Process completed – press Enter]