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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » The Joy of Computing using Python (course)

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Course outline
How does an NPTEL online course work?
Week 0
● **Quiz: Assignment 0 (assessment? name=281)**
Week 1
Week 2
Week 3
week 4
Week 5
Week 6
Week 7
Week 8
Week 9

Assignment 0

The due date for submitting this assignment has passed.

Due on 2021-07-26, 23:59 IST.

Assignment submitted on 2021-07-06, 17:44 IST

Note : This assignment is for practice and it will not be graded.

1) What is the circumference of a circle inscribed inside a rectangle with a length of 8 meters and breadth of 4 meters ?   *1 point*

  ◉ 12.57
  ○ 25.132
  ○ 6.28
  ○ 50.27

Yes, the answer is correct.
Score: 1
Accepted Answers:
12.57

2) What is the sum of the first 27 odd numbers?   *1 point*

  ○ 8109
  ◉ 729
  ○ 27
  ○ 108

Yes, the answer is correct.
Score: 1
Accepted Answers:
729

3)   What is the Least Common Multiple of 12 and 8?   **1 point**

○ 2

○ 12

○ 8

◉ 24

Yes, the answer is correct.
Score: 1
Accepted Answers:
24

4)   If the length of the square is thrice its original length, its perimeter will be 120 meters.   **1 point**
What is the original length of the square?

○ 30

◉ 10

○ 40

○ 20

Yes, the answer is correct.
Score: 1
Accepted Answers:
10

5)   In a class, there are 80 students who have taken science which is 40% of the total   **1 point**
strength. 20% of students have taken maths and the remaining students have taken english. How
many students have taken english?

◉ 80

○ 400

○ 200

○ 40

Yes, the answer is correct.
Score: 1
Accepted Answers:
80

6)   Find the next number of the sequence 1, 5, 13, 25, _____   **1 point**

○ 29

◉ 41

○ 33

○ 37

Yes, the answer is correct.
Score: 1
Accepted Answers:

41

7) If the perimeter of the square is 100, what is the area of the square?   ***1 point***

- ○ 10000
- ○ 2500
- ◉ 625
- ○ 1000

Yes, the answer is correct.
Score: 1
Accepted Answers:
625

8) If the circumference of the circle is 31.4, what is the area of the circle?   ***1 point***

- ◉ 78.5
- ○ 314
- ○ 15.6
- ○ 15.6

Yes, the answer is correct.
Score: 1
Accepted Answers:
78.5

9) What is the golden value ratio?   ***1 point***

- ◉ 1.618
- ○ 1.168
- ○ 1.861
- ○ None of the above.

Yes, the answer is correct.
Score: 1
Accepted Answers:
1.618

10) Choose the odd one out. 1, 2, 3, 5   ***1 point***

- ◉ 1
- ○ 5
- ○ 3
- ○ None of the above

Yes, the answer is correct.
Score: 1
Accepted Answers:
1