

Unit 2 - Prerequisite Assignment

Course outline

How does an NPTEL online course work?

Prerequisite Assignment

Quiz : Assignment 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

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Assignment 0

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-02-05, 23:59 IST.

Note : This assignment is only for practice purpose and it will not be counted towards the Final score

1) Protein is 1 point

- Food
- A Small molecule
- A Biological macromolecule
- A molecule to transfer information from parent to child

No, the answer is incorrect.
Score: 0

Accepted Answers:
A Biological macromolecule

2) What is transcription? 1 point

- Make a copy of a DNA
- Complementary strand
- Conversion of DNA to RNA
- Conversion of RNA to protein

No, the answer is incorrect.
Score: 0

Accepted Answers:
Conversion of DNA to RNA

3) How many naturally occurring amino acids? 1 point

- 20
- 5
- 18
- 26

No, the answer is incorrect.
Score: 0

Accepted Answers:
20

4) Cellulose is a 1 point

- carbohydrate
- protein
- DNA
- RNA

No, the answer is incorrect.
Score: 0

Accepted Answers:
carbohydrate

5) The two strands of a double-helix model of DNA are held together by hydrogen bonds between 1 point

- Sugar and phosphate groups
- Sugar and nitrogenous bases
- Nitrogenous bases
- Phosphate groups and nitrogenous bases

No, the answer is incorrect.
Score: 0

Accepted Answers:
Nitrogenous bases

6) Distance between the points (1,2,3) and (1,3,6) is 1 point

- 3.72
- 3
- 4
- 3.16

No, the answer is incorrect.
Score: 0

Accepted Answers:
3.16

7) What is the slope of the straight line, $2y = -4x + 7$ 1 point

- 4
- 2
- 7
- 3.5

No, the answer is incorrect.
Score: 0

Accepted Answers:
-2

8) If the dimension of matrix A is 2×3 and B is 4×5 , what is the dimension of the matrix AB? 1 point

- 2×5
- 3×4
- 6×20
- Cannot multiply

No, the answer is incorrect.
Score: 0

Accepted Answers:
Cannot multiply

9) If we toss two coins, what is the probability of getting both heads or both tails 1 point

- 1
- 0.75
- 0.50
- 0.25

No, the answer is incorrect.
Score: 0

Accepted Answers:
0.50

10) The energy of charge-charge interactions is proportional to 1 point

- $1/r$
- $1/r^2$
- $1/r^3$
- r

No, the answer is incorrect.
Score: 0

Accepted Answers:
 $1/r$