

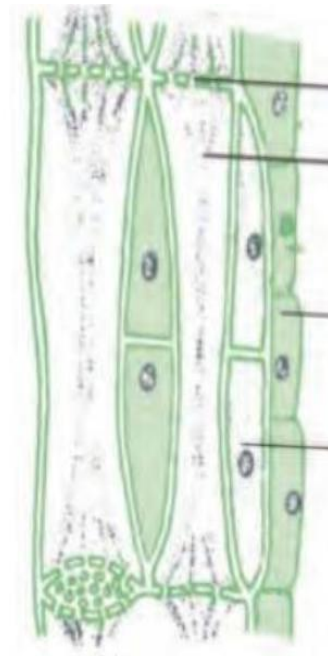
NOTRE DAME HOLYCROSS CROSS SCHOOL

Periodic :1 (2021-2022)

Sub : Biology Class: IX Total marks: 14

A. Very short answer type questions.. :1×3=3

1. Name two organelles we have studied that contain their own genetic material?
2. Where proteins synthesised inside the cell ?
3. Identify the figure:



B. Short answer type questions : 3×2=6

1. How do substances like CO₂ and water move in and out of the cell? Which tissue makes up the husk of coconut?

2. What does a neuron look like? Draw a label diagram of a neuron?

C. Long answer type question : 5×1=5

Obesity is a common health problem now a days which results due to deposition of fat in various parts of the body . It may lead to other health problems such as diabetes, high blood pressure and heart attacks.

- I. Which tissue is responsible for storage of fat in the body?
- II. How we can control obesity?
- III. What are the effects of morning walk and regular exercise on obesity?

“or”

Define mitosis cell division and meiosis cell division with label diagram?

PHYSICS- 13 MARKS

1. ANSWER THE FOLLOWING QUESTIONS(1X4=4)

- i. Write the S.I unit of acceleration?
- ii. What does the odometer of an automobile measure?
- iii. What is the nature of the distance-time graphs for non-uniform motion of an object?
- iv. Give an example of zero displacement of an object although it has moved through a distance?

2. ANSWER THE FOLLOWING QUESTIONS(2x3=6)

- i. What are the difference between speed and velocity?
- ii. A bus decreases its speed from 80km/h to 60km/h in 5 second. Find the acceleration of the bus?

OR

A motor boat starting from rest on a lake accelerates in a straight line at a constant rate of 3m/sec^2 for 8 seconds. Find the distance travelled by the boat?

- iii. When will you say a body is in uniform acceleration give an example?

3. ANSWER THE FOLLOWING QUESTIONS(3x1=3)

- i. A stone is thrown in vertically upward direction with a velocity of 5m/sec. If the acceleration is 10m/sec^2 in the downward direction, what will be the height attained by the stone and time taken to reach there?

OR

Abdul while driving to school, computes the average speed for his trip to be 20km/h. on his return due to less traffic the average speed is 30km/h. What is the average speed for Abdul's trip?

CHEMISTRY-13 MARKS

4. ANSWER THE FOLLOWING QUESTIONS(1X4=4)

- i. Write the melting point of ice in Kelvin scale.
- ii. Convert 583k to Celsius scale?
- iii. State two states of matter other than solid, liquid and gas?
- iv. What is the unit of pressure?

5. ANSWER THE FOLLOWING QUESTIONS(2x3=6)

- i. State any two characteristics of the particles of matter?
- ii. Why does the temperature remain constant during the change of state?
- iii. How does the water kept in an earthen pot become cool during summer?

6. ANSWER THE FOLLOWING QUESTIONS(3x1=3)

- i. What are the factors affecting evaporation explain?. What is dry ice?

Or

Explain why steam produces more severe burns than boiling water? Give an example of sublimating object

