UNIT TEST - 1 (2023-24)

Subject - SCIENCE SET 1

Class- 9th

Time-

INSTRUCTIONS-

Max. Marks- 40

(1)

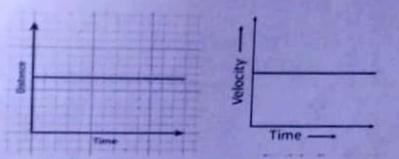
(3)

20

- All questions are compulsory.
- Question paper contains three sections.
- · Attempt each section separately
- Draw well labelled diagram wherever necessary

SECTION - A (PHYSICS - 13 marks)

. Recognize the type of motion from the following graphs



Is it possible that the object have acceleration but zero velocity ? Give example (1)

The minutes hand of a clock is 12 cm long. Calculate the distance and the displacement of minute hand of the clock from 10:00 AM to 11:15 AM (2)

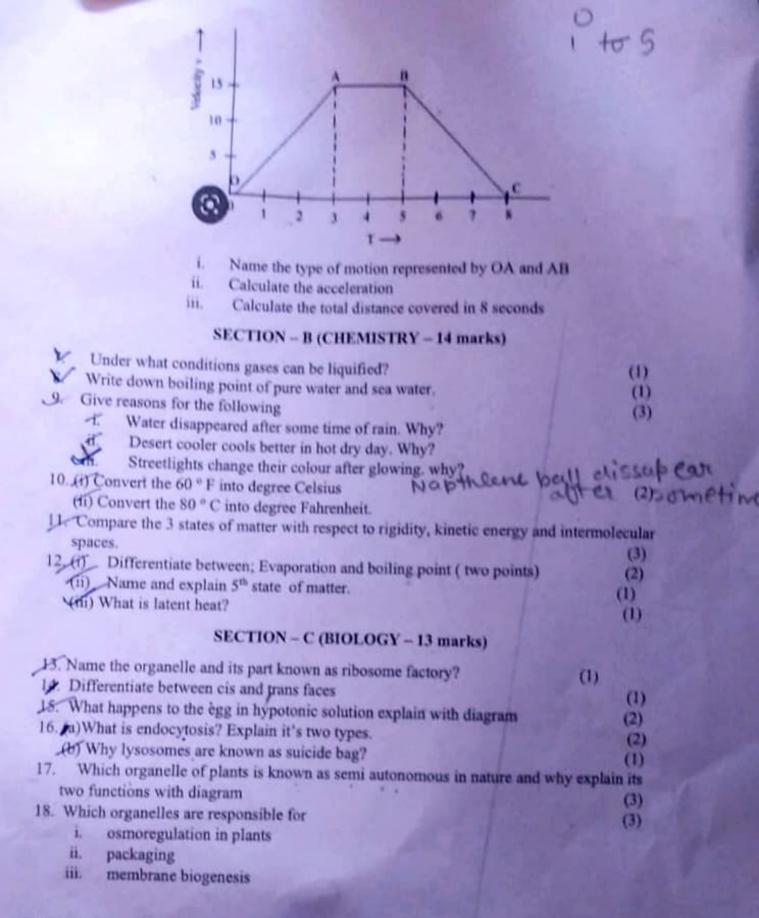
4 Differentiate between

(i) Vector and scalar quantities

Distance and displacement

An individual jogs along straight road from X to Y 400 m path in 4 min.20 sec and then he turns back to point A in another 2 minutes. Calculate the average velocity from X to Y and X to A. Points X, A, Y lies on straight line.
(3)
(3)

UT-1 class 9 Science SET 1



UNIT TEST - 1 (2023-24)

Subject - SCIENCE SET 2

Class-9th

Time-

Max. Marks- 40

(1)

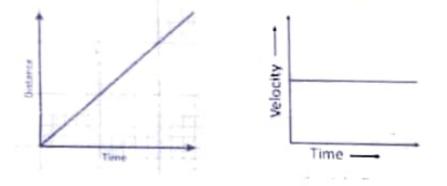
(3)

INSTRUCTIONS-

- All questions are compulsory.
- Question paper contains three sections.
- Attempt each section separately
- Draw well labelled diagram wherever necessary

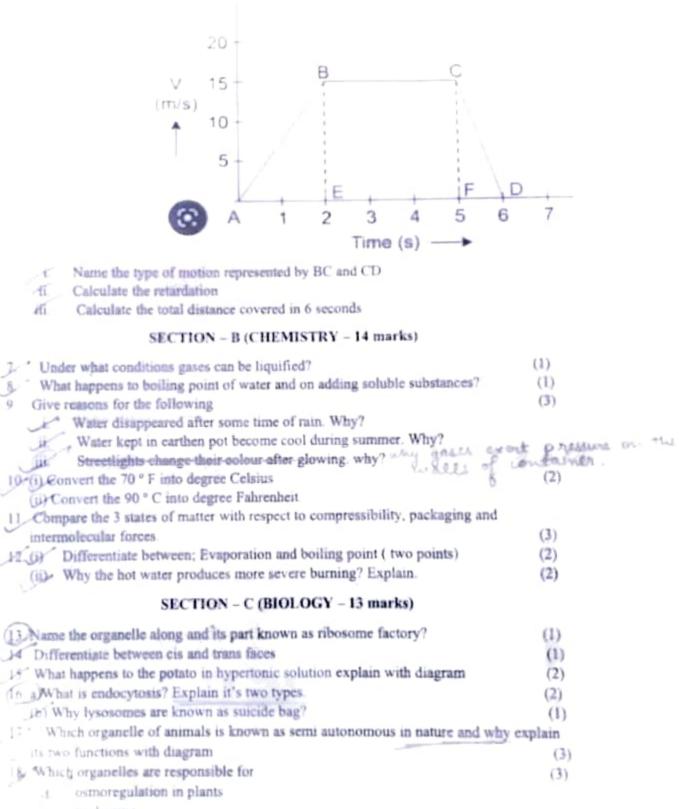
SECTION - A (PHYSICS - 13 marks)

Recognize the type of motion from the following graphs



Is it possible that the object have acceleration but zero velocity? Give example (1)
The minutes hand of a clock is 12 cm long. Calculate the distance and the displacement of minute hand of the clock from 09:00 AM to 10:30 AM (2)

- 4. Differentiate between
 - . Vector and scalar quantities
 - i speed and velocity
 - An individual jogs along straight road from X to Y 400 m path in 3min.20 sec and then he turns back to point A in another 2 minutes. Calculate the average velocity from X to Y and X to A. Points X, A, Y lies on straight line.
 - Observe the following graph carefully and answer the following questions (3)



- n- packaging
- high " membrane biogenesis