

## WORK SHEET TEST - 2023-24

STD - IX

SUB- SCIENCE- I (CH-1 & CH-2)

NAME :

DATE-

MARKS - 20

ROLL NO. DIV:-

**Q.1 (A) Fill in the blanks. (2mks)**

1. The rate of change of velocity is called .....

2. 1 joule = ..... erg

**(B) Complete the following. (2mks)**

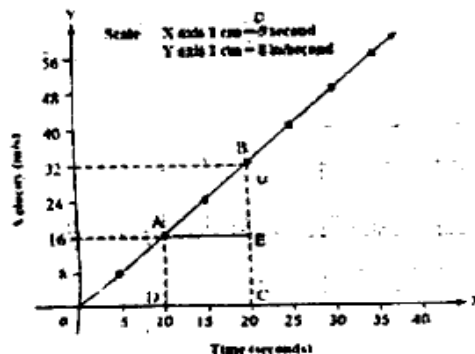
1. Joule is the unit of force. ( state true or false) ✓

2 Newton's which law explains the phenomenon of inertia? ( Name the following.)

**(C) Draw the graph on your answer sheet (without graph paper) and calculate acceleration between points A and B. (2mks)**

table

Time (seconds)	Velocity (m/s)
0	0
5	8
10	16
15	24
20	32
25	40
30	48
35	56



**Q.2 Answer the following (any two )(4mks)**

1. Distinguish between- speed and velocity.
2. Distinguish between- potential energy and kinetic energy.
3. Define-(i) One Newton (ii) One Dyne

**Q.3 Answer the following (any two) (6mks)**

1. Explain relationship between joule and erg (give reason)
2. It is easier to stop a tennis ball as compared to a cricket ball, when both are travelling the same velocity. (give reason)
3. Which are the factors changes velocity.

**Q.4 Answer the following .(4mks)**

1. State one example of zero gravitational force.
2. Draw flow chart of transformation of energy ( any four).