

RATU NAVULA COLLEGE

YEAR 12 PHYSICS SUPPLIMENTARY WORKSHEET 1

*Attempt all questions in your physics exercise books.

- Define:
 - Work
 - Energy
 - Power
- The Bullet that has fired from a Gun can pierce a Target due to its _____.
A. Heat Energy B. Mechanical Energy C. Acceleration D. Kinetic Energy
- A person holds a bucket by applying a 10N force. He then moves a Horizontal Distance of 5m and climbs up a Vertical Distance of 10m.
What is the total Work done by him?
A. 100J B. 150J C. 50J D.200J
- A Gardener pushes a Lawn Roller via a Distance of 20m. If he applies a force of 20N in a direction inclined at 60^0 to the ground, then how much will be the Work done by him?
A. 100J B. 2000J C. 50J D.200J
- When a luggage carrier walks on a Horizontal Platform having a zero load on his head, the workdone by him on the Load is Zero. Identify the statement as True or False?
- The workdone by centripetal force for a Body moving in a circular path is _____.
A. Negative B. Zero C. Positive D. Positive
- When a Cylinder filled with Gas is fitted with a movable Piston is allowed to expand, then the work done by the gas is Positive. Identify the statement as True or False?