

GREENLAWNS HIGH SCHOOL

STD – V SUBJECT- SCIENCE
DIV- A,B,C DATE- 14th FEB 2023

MARKS- 80
DURATION-02HOURS

QI] CHOOSE THE CORRECT OPTION TO FILL IN THE BLANK: [6m]

- 1] Proteins are essential for _____(growth and repair of body/ providing energy).
- 2] Heat energy is given by _____(computers/ LPG).
- 3] A pulley consist of _____(a wheel / a lever).
- 4] Fire alarm produces _____ (loud noise / musical sound).
- 5] _____ covers and protects the brain.(skull/ sternum)
- 6] To make our bones and joints strong, we would eat food rich in _____(fats/calcium).

QII] TRUE OR FALSE. IF FALSE, CORRECT THE FALSE STATEMENT: [6m]

- 1] The energy that an object possesses due to its movement is called mechanical energy.
- 2] There are 205 bones in an adult.
- 3] Honking of vehicles on the road is an example of unpleasant sound.
- 4] A wedge is a complex machine used to cut or slice the objects.
- 5] Carbohydrates and Fats provides energy to the body.
- 6] Energy is necessary for the survival of living beings.

QIII] FIND AND WRITE THE ODD MAN OUT: [6m]

- 1] Snail, tiger, lion, cow.
- 2] Oil, ghee, cream, fruits.
- 3] Police siren, ambulance siren, soft music, fire engine siren.
- 4] Running, walking, reading, jogging.
- 5] Sitar, guitar, harmonium, loud music.
- 6] Wheelbarrow, seesaw, tweezers, car.

QIV] MATCH THE COLUMNS: [6m]

- | | |
|-------------------|--------------------------|
| 1] Dizziness | a] biogas. |
| 2] Cattle dung | b] calcium & phosphorous |
| 3] Inclined plane | c] femur |
| 4] Bones | d] capacity to do work |
| 5] largest bone | e] Ramps |
| 6] Energy | f] Noise pollution |

QV] NAME THE FOLLOWING:

[6m]

- 1] Three parts of lever.
- 2] Energy which helps us see things around us.
- 3] Warning sound used to extinguish a fire.
- 4] Sound made by a pressure cooker.
- 5] The bone present at the centre of the chest region.
- 6] The U-shaped bone of the lower jaw.

QVI] GIVE TWO EXAMPLES EACH OF THE FOLLOWING:

[10m]

- 1] Types of pulleys.
- 2] Food to prevent night blindness.
- 3] Components of food.
- 4] Types of sounds
- 5] Types of energy.

QVII] GIVE SCIENTIFIC TERM FOR EACH:

[5m]

- 1] The moveable pulley has which kind of axle?
- 2] Doorknob is an example of?
- 3] What is produced from vegetable oils and animal fats to run vehicles?
- 4] Anemia is caused due to?
- 5] Heart and lungs are protected by?

QVIII] CLASSIFY THE FOLLOWING AS WORK IS DONE OR WORK IS NOT DONE: [2m]

{EG: Carrying a heavy bag and walking upstairs – work is done}

- A] Pushing a huge machine that doesn't move.
- B] Sitting and watching television.
- C] Holding a glass of water.
- D] Running with a pile of books.

QIX] DIFFERENTIATE BETWEEN: {w.r.t means with respect to}

- | | |
|---|-------------|
| A] Work and Energy {w.r.t definition} | [2m] |
| B] Police siren and Ambulance siren {w.r.t its uses} | [2m] |
| C] Renewable and Non-renewable energy. {w.r.t definition} | [2m] |

QX] ANSWER THE FOLLOWING:

[4m]

- 1] a) Why should one get enough rest?
b) How many hours of sleep does a body need?
c) Which is the smallest bone of the body? What is its length?

2] Mention the four reasons, why eating a balanced diet is important?

[4m]

3] Describe the causes of obesity and diabetes due to wrong food habits and unhealthy lifestyle. (Any 2 causes)

[4m]

4] Write down four functions of bones in the human body.

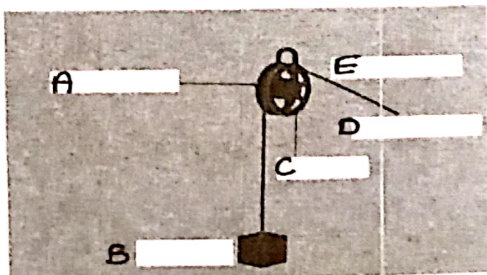
[4m]

5] Mention: a) Any three causes of noise pollution and
b) Three ways to reduce noise pollution.

[6m]

QXI] STUDY THE DIAGRAM GIVEN BELOW:

[5m]



- 1] Label the diagram as A, B,C,D and E.
- 2] Identify the simple machine shown in the diagram above.
- 3] What does the above diagram consist of?
- 4] Name the machine which uses both fixed and moveable pulley to lift the load.

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