

HOLIDAY PACKAGE PHYSICS PRE FORM ONE

1. Define the following terms

- i) Physics
- ii) Matter
- iii) Science
- iv) Technology
- v) Physicist

2. Fill the blanks by using the following words

Work, phenomenon, knowledge of nature ,technology, physics ,energy , physikos

- i)comes from a Greek wordwhich mean.....
- ii)is the ability of doing.....
- iii)is the application of science for the general well-being of human race
- iv)is an event which occur in the environment

3. Complete the sentence by writing the correct answer in the space provided

- a) A person who study physics is called.....
- b) Energy is the capacity of doing.....
- c) Matter is anything that has.....and occupies space
- d)scientific study of matter in relation to energy.

4. Below is a list of instruments state the purpose of physics in making and using it

- i) A car
- ii) A bottle opener
- iii) Mobile phone

5. a) state the importance of physics in your life

- b) Mention four subjects which relates with physics
- c) Mention four areas where physics can be applied

6. What is the difference between science and technology?
7. Distinguish between physics and physician
8. How physics is related to
 - i) Biology
 - ii) chemistry
9. What is science? What are the two main classes?
10. Why is physics considered to be the basic science?
11. Write down four branches of physics
12. Why water not a suitable extinguisher in some classes of fire?
13. What is importance of collecting data in experiment?
14. a) Mention four causes of laboratory accident
 - b) Define the following terms
 - i) Dependent variable
 - ii) Independent variable
 - iii) Hypothesis
15. a) Define First Aid Kit
 - b) Write five importance of first aid
 - c) In the First Aid Kit a bandage is used for
16. Complete the following statements by writing the correct answer in space provided
 - i) Mass, length and.....are the three fundamental quantities in measurement in physics
 - ii) Vernier calipers measure length to an accuracy of.....mm
 - iii) Fundamental quantities are.....
 - iv) Derived quantities are.....
 - v) A physical quantity measured by using thermometer is referred to as.....

vi) The quantity of space that object occupies is known as.....

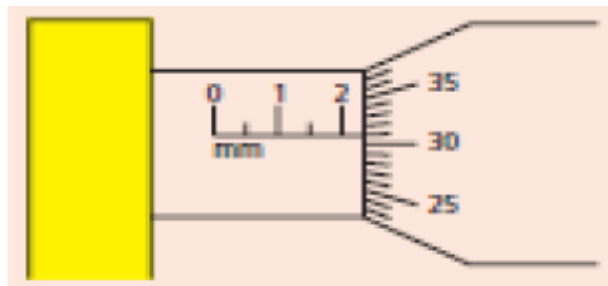
vii)are units of physical quantity which are not definable in terms of other quantities.

17. Draw the main and vernier scales of vernier caliper to show the reading of

- a) 0.37cm b) 4.49cm c) 2.04cm d) 0.11cm

18. Explain how laboratory is different from other school facilities such as the classroom and staff room in design and uses (three points)

19. What is the reading on the micrometer screw gauge



20 What is the reading on the figure below

