

DELHI PUBLIC SCHOOL GHAZIABAD
— VASUNDHARA —

UNIT TEST-3, 2019-2020

CLASS-VI

SET A

SUBJECT: SCIENCE

TIME: 1 Hr.

DATE: 6th NOVEMBER 2019

M.M.: 20

General Instructions:

- i) Question paper contains four sections A, B, C and D.
- ii) Section A consists of 1 mark questions, section B consists of 2 marks questions, Section C consists of 3 marks questions and Section D consists of 1 question which carries 5 marks.
- iii) Read all the questions carefully.
- iv) Draw and label the diagrams wherever necessary.
- v) Neat handwriting will be highly appreciated.

SECTION-A

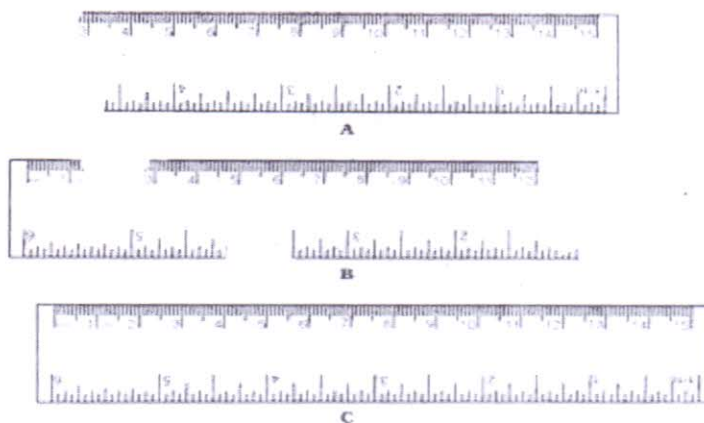
- Q1. Why is it necessary to have a standard unit of measurement? (1)
- Q2. Give one example for each of the following type of motion. (1)
- a. Periodic
 - b. Circular
- Q3. State any two conditions required for the formation of a shadow. (1)

SECTION-B

- Q4. Explain why, handspan cannot be used as a standard unit of measurement. (2)
- Q5. a. Which type of motion is performed by each of the following: (2)
- i. Motion of a child sitting in a Merry-go-round
 - ii. Motion of a falling apple
- b. Convert 34.5^m into cm and mm.
- Q6. Differentiate between Luminous and Non-luminous objects. Give one example of each. (2)

SECTION-C

- Q7. a. While measuring the length of the paper, the reading scale at one end is 2.0 cm and at the other end is 33.1 cm. Is it the actual length of the paper? If not, then calculate the actual length of the paper. (3)
- b. You are provided with 3 scales A, B and C as shown in the figure given on the next page. Which scale will you prefer to measure a length of 15 cm and why?

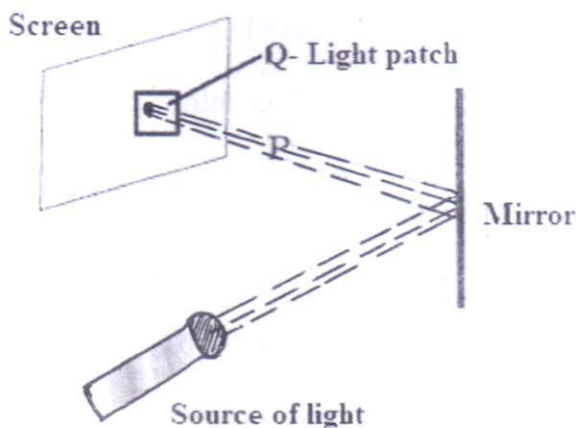


c. 'Motion of the earth is a combination of motions'. Comment.

- Q8. a. A student covered a torch with red cellophane sheet to obtain red light. Using the red light, she obtains a shadow of an opaque object. She repeats this activity with green and blue light. Will the colour of the light affect the shadow? Explain. (3)
- b. With the help of an activity, explain that light travels in a straight line.

SECTION-D

- Q9. a. Mention two points of difference between an image formed by a plane mirror and an image formed by a pinhole camera. (5)
- b. Sometimes, when you pass under a tree covered with large number of leaves, you might have noticed small patches of sunlight under it. What do these circular images depict?
- c. Observe the figure given below. A sheet of some material is placed at position P, still the patch of light is obtained on the screen at position Q.



- i. What is the type of material of this sheet?
- ii. Will we be able to obtain the patch of light on screen if we place a cardboard at position P? Give a reason for your answer.