



Maharashtra Academic Authority, Pune 30.

Summative Evaluation 2 : 2017-18

Teachers Instructions Booklet

Subject : General Science

Standard - Six to Eight

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Summative Evaluation 2 : 2017-18
Subject - General Science
Instructions for teachers about Written Test

General Instructions - For Standard Six to Eight

- 1) Give complete marks if the answer is written accurately as per the answer key.
- 2) For standard Six, from Q. No. 1 to 4, sub-questions 'E' to 'G' - Give 1 mark for each response / point / remedy as per the instruction. (2 marks for 2 points.)
- 3) For standard Seven and Eight, from Q. No. 1 to 5, sub-questions 'E' to 'G' and 'G' to 'H' respectively - Give 1 mark for each response / point / remedy as per the instruction. (2 marks for 2 points.)

Standard - Six

- 1) There are 7 sub-questions in Q. No. 1 to 4, sub-questions as 'A' to 'G'.
- 2) In Q. No. 1 to 4, sub-questions 'A' to 'D' carries 1 mark each.
- 3) In Q. No. 1 to 4, sub-questions 'E' to 'G' carries 2 marks each.

Standard - Seven

- 1) In Q. No. 1 to 5, there are 7 sub-questions as 'A' to 'G'.
- 2) In Q. No. 1 to 5, sub-questions 'A' to 'D' carries 1 mark each.
- 3) In Q. No. 1 to 5, sub-questions 'E' to 'G' carries 2 marks each.

Standard - Eight

- 1) There are 8 sub-questions as in 'A' to 'G' in a Q. No. 1 to 5.
- 2) In Q. No. 1 to 5, sub-questions 'A' to 'F' carries 1 mark each.
- 3) In Q. No. 1 to 5, sub-questions 'G' and 'H' carries 2 marks each.
- 4) For Q. No. 3, sub-questions 'G', One mark should be given if the electric circuit is drawn with any two electric symbols.
- 5) For Q. No. 5, sub-questions 'H', One mark should be given if the diagram is drawn and if at least 1 label is given to the diagram then one mark should be given.
[Diagram - 1 mark, at least one labelling - 1 mark]

Oral Questions

General Instructions for Standard Six to Eight

- Instructions :** 1) Students should think and write the answer.
2) Before starting the oral test, answer sheets should be distributed and then ask the questions to the class. Instruct / Guide students to write the answers in the space given as O1 to O5.

Standard - Six

Marks - 5

- O 1 : Who discovered the gravitational force ?
Sir Isaac Newton.
- O 2 : What is the SI Unit of work and energy ?
Joule.
- O 3 : What is necessary for the production of sound ?
The vibration of an object / vibration.
- O 4 : Where is the largest sundial ?
At Jantar Mantar, New Delhi.
- O 5 : Which lake in Maharashtra is formed by the impact of a meteorite ?
Lonar Lake.

Standard - Seven

Marks - 5

- O 1 : How you will conserve the forest ? write the ways ?
Tree plantation. I will not cut the young trees.
- O 2 : What is means by zero shadow day ?
The day on which the sun reaches exactly overhead is called the zero shadow day.
- O 3 : What is the unit for measuring sound level ?
The decibel (dB)
- O 4 : Write a name of magnetic alloy ?
Alnico (alnico)
- O 5 : Write the factors responsible for corrosion.
Oxygen, moisture, vapours of chemical in the air.

Standard - Eight

Marks - 5

O 1 : Write the molecular formula of methane ?

CH₄

O 2 : From which of the marine animal, pearls are obtained ?

Oyster.

O 3 : What is the melting point of ice ?

0° c is the melting point of ice.

O 4 : Which gas gushes out of a bottle of an aerated drink, when we open it ?

Carbon dioxide.

O 5 : Write the names of a non-metal which is used for producing safety meaches, crackers etc. ?

Red phosphorus.

Criteria for practical mark distribution

General Instructions for standard VI to VIII Marks - 5

Read the list of the apparatus / things needed for the practical and make availability of those requirements in proper amount / quantity before starting the experiment.

List of practicals is given below. Any one practical should be selected for each student and ask him/her to perform it.

Marks distribution -

Note : For some practicals changes in the mark-distribution is expected as per the requirement.

- | | |
|--|--------|
| 1) Identification of the apparatus. | 1 Mark |
| 2) Arrangement / practical set up. | 1 Mark |
| 3) Proper procedure is followed. | 1 Mark |
| 4) Reading and note-down of the observation. | 1 Mark |
| 5) Inference / conclusion. | 1 Mark |

Standard Six - List of the experiments

P 1)	To study attraction and repulsion of magnet. Things needed - Two magnets, thread, stand etc. Conclusion - Like poles repel each other and unlike poles attract each other.
P 2)	To study the types of lever based on the positions of force, load and fulcrum. Things needed - Scale / ruler, pencil, stone, A nut crackers, A pair of tongs. Conclusion - There are three types of lever based on the positions of force, fulcrum and load.
P 3)	To study with the help of pulley that to pull the object in upward direction, force can be applied in downward direction. Things needed - Empty rill / pulley, pencil, cello tape, thread, small weight etc. Conclusion - -----
P 4)	To study the transmission of sound in different mediums. Things needed - Water, spray pump, two balloons (filled with air and water respectively) Conclusion - -----
P 5)	To study the propagation of sound. Things needed - Candle, pack-needle, three card boards of the same size etc. Conclusion - Light always travels in a straight line. This is called as linear propagation of light.

Standard Seven - List of the experiments

P 1)	To study the reaction of detergent. Things needed - Glass-bottle, water, oil, detergent liquid. Conclusion - Due to the use of detergent, the colour of mixture changes to _____
P 2)	To study scattering of light. Things needed - Beaker, water, milk, spook, laser pointer. Conclusion - The tiny particles of milk floating in the water _____
P 3)	To study the method of chromatography. Things needed - Beaker, filter paper, ink, chalk etc. Conclusion - In chromatography method, the property of substance _____
P 4)	To study the magnetic field of a magnet. Things needed - Iron nails, magnet, plastic bottle, water, cardboard etc. Conclusion - The intensity of magnetic field _____
P 5)	To study the shadow obtained by a point source. Things needed - Candle, cardboard, ball (small and big) Conclusion - The shadows obtained by a point source _____

Standard Eight - List of the experiments

P 1)	To identify and study the symbols of electric cell, bulb, key and wire. Things needed - Electric cell, bulb, key, wire etc. Observation - _____
P 2)	To study the dry cell. Things needed - Used up dry cell. Conclusion - _____ Observation - _____
P 3)	To study that metals react with oxygen by burning a magnesium ribbon. Things needed - Magnesium ribbon, spirit lamp, a pair of tongs etc. Conclusion - _____
P 4)	To study the water holding capacity of soil depending upon the type and size of its particles. Things needed - Black soil, Red soil, sand etc. Conclusion - _____
P 5)	To separate salt and water from the salt solution by using simple distillation method. Things needed - Salt solution, Round bottom flask, condenser, beaker, thermometer, spirit lamp etc. Conclusion - _____

In SARAL system, the obtained marks of students should be filled separately for written test (Q. No. 1 to 4 for standard VI as well as for standard VII and VIII Q. No. 1 to 5) and practical and oral test.

