

SUMMATIVE ASSESSMENT-I, 2016

SCIENCE

Class VIII

Time : 3 hrs.

M.M: 100

Date – 19.9.2016

General Instructions –

- Read all instructions carefully.
- The question paper consists of two sections – Section A and Section B.
- Both the sections are compulsory to attempt.
- **Section A** comprises descriptive type questions from Q. No. 1-30, carrying 1 mark, 2marks, 3 marks and 5 marks.
- **Section B** comprises multiple choice questions from Q. No. 31-45, each carrying 1 mark.
- All questions are compulsory to attempt.
- Draw neat and clean diagram wherever required.
- *Please check that this question paper contains 02 printed pages.*

SECTION – A

- Q1. What is the process of scattering seeds by hand known as? [1]
- Q2. Name a non-metal that is a good conductor of electricity. [1]
- Q3. What is the SI unit of force? [1]
- Q4. Name any two types of animal tissue. [1]
- Q5. What is the study of microorganisms called? [1]
- Q6. Which type of charge is free to move about – positive or negative? [1]
- Q7. When are kharif crops sown? [2]
- Q8. Why potassium and sodium are stored under kerosene? [2]
- Q9. Why do we stain specimens before viewing them under a microscope? [2]
- Q10. What determines the pitch of a percussion instrument? [2]
- Q11. What functions do cilia have in paramoecium? [2]
- Q12. What happens when a plastic ruler is rubbed vigorously with a woollen cloth? [2]
- Q13. What are weeds? Give two examples of it. [3]
- Q14. Define alloy. Give two examples of it. [3]
- Q15. What are noncontact forces? Mention two types of forces which can act from a distance. [3]
- Q16. What are ultrasonics? Name two animals which can hear sounds that we cannot hear? [3]
- Q17. What are diatoms? Give two uses of diatoms. [3]
- Q18. What are conductors? Give two examples of it. [3]
- Q19. Mention three uses of carbon. [3]
- Q20. What is a streamlined body? How is it helpful for a body to have such a shape? [3]
- Q21. Why is the nucleus called the control room of the cell? [3]
- Q22. How are protozoans in the bodies of termites and the bacteria in our intestines helpful? [3]
- Q23. What are lightning conductors? [3]
- Q24. Your father bought few fruits from the market and asked everybody to wash it properly before eating. Your sister was in a hurry and hence she ate an apple without washing it. [3]
- a) Why did your father ask to wash the fruits before eating?
- b) What are the harmful effects of pesticides on human?
- c) Should the Government ban pesticides? Justify your answer.
- Q25. Draw a well labelled diagram of **any two** of the following : [3 x 2 = 6]
- a) Animal cell b) The human ear c) The gold-leaf electroscope
- Q26. With the help of a diagram describe the nitrogen cycle? [5]
- Q27. Describe how friction helps and how it creates a problem when you cycle. [5]
- Q28. a) Why is the cell known as the structural and functional unit of life? [5]

- b) Why is the plasma membrane called selectively permeable?
- Q29.** Why is a virus thought of as something in between the living and nonliving? How do viruses multiply within a host cell? [5]
- Q30.** a) What are echoes? Why do we not hear them all the time? [5]
b) How are echoes used in medicines?

SECTION – B

- Q31.** Removing the chaff from the grain is called [1]
a) threshing b) harvesting c) winnowing d) weeding
- Q32.** Which of the following is the best conductor of electricity? [1]
a) Aluminium b) Silver c) Copper d) Iron
- Q33.** Which of the following is not true? [1]
a) Friction wears down machine parts. c) Friction helps us walk.
b) Friction produces heat. d) Friction helps a ship move through water.
- Q34.** Cheek cells are [1]
a) epithelial cells b) epidermal cells c) vascular cells d) guard cells
- Q35.** Blood is a type of [1]
a) epithelial tissue b) connective tissue c) nervous tissue d) muscular tissue
- Q36.** Algin is derived from [1]
a) bacteria b) algae c) fungi d) protozoans
- Q37.** Penicillin is obtained from a [1]
a) protozoan b) bacterium c) mould d) mushroom
- Q38.** The decibel is a unit that measures [1]
a) frequency b) loudness c) pitch d) quality
- Q39.** A gold-leaf electroscope can be used [1]
a) only to detect a charge b) only to find the nature of a charge
c) only to measure a charge d) to detect, measure and find the nature of a charge
- Q40.** Charge flows from a charged body to an uncharged one [1]
a) until the entire charge from one flows into the other
b) until they both carry the same charge
c) until they both become uncharged
d) continuously
- Q41.** An element is soft and can be cut easily with a knife. It is very reactive and cannot be kept open in air. It reacts vigorously with water. This element is most likely to be: [1]
a) magnesium b) potassium c) phosphorus d) aluminium
- Q42.** If we release a magnet held in our hand, it falls to the ground. The force responsible for this is: [1]
a) muscular force b) magnetic force c) electrostatic force d) gravitational force
- Q43.** What helps us distinguish between the same note of the same loudness produced by two musical instruments ? [1]
a) pitch b) frequency c) harmonics d) amplitude
- Q44.** The process of conversion of sugar into alcohol is called: [1]
a) nitrogen fixation b) moulding c) fermentation d) infection
- Q45.** The cell wall in plant cells is made of: [1]
a) proteins b) fats c) cellulose d) plasma

