

ST. XAVIER'S SENIOR SECONDARY SCHOOL, DELHI-54

Class : 6

SUMMATIVE ASSESSMENT 2

Marks: 90

Date: 21.02.2015

SCIENCE

Time: 2 Hours

Note: All the answers should be done on the answer sheet.

I. Answer the following questions in a sentence: (1×10=10)

1. What do you mean by ecology?
2. Lions have strong claws that can be withdrawn inside their toes. How does this help the lion?
3. When is an object said to be in motion?
4. What is meant by rectilinear propagation of light?
5. How do we see non-luminous objects?
6. State the rule for attraction and repulsion between two magnets.
7. What is humidity?
8. What is the importance of ozone layer in the atmosphere?
9. What is vermicomposting?
10. How are metals recycled?

II. Answer the following questions in 2-3 sentences. (2×6=12)

1. What are translucent objects? Give two examples.
2. To make accurate measurements there are two main requirements. What are they?
3. Explain two different kinds of translatory motion.
4. Give four ill-effects of science.
5. What are the standard units of mass and time in i) CGS system ii) SI system
6. What is the difference between biotic and abiotic components of the environment?

III. Answer the following questions in 3-4 sentences. (3×6=18)

1. What are the steps involved in the scientific method?
2. List any three uses of magnets.
3. List three properties of a shadow.
4. When plastic was introduced, it was hailed as a wonder material. However today it has become a serious environmental concern. Why?
5. Give an example of an animal that uses camouflage to escape from enemies, and another that uses camouflage to catch its prey. Explain how camouflage helps each of them?
6. List three ways in which you can contribute to a better disposal of waste.

IV. Answer the following questions in 4-6 sentences. (4×5=20)

1. List any four uses of air.
2. Describe a simple experiment to show that light travels in a straight line.
3. List two adaptations each that the following have to survive in the environment they live in
i) camel ii) fish iii) water lily iv) desert plants (cacti)
4. Two identical metal bars are kept on a table. One of them is a magnet. You are also provided with a bar magnet whose north-south poles are marked. How will you find out which of the two bars is a magnet?
5. Draw a diagram to show the solar eclipse.

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I Choose the most appropriate answer :

(1x30=30)

1. Which of the following are producers?
a. herbivores b. carnivores c. green plants d. bacteria and fungi
2. Choose the incorrect pair
a. cactus-desert b. germs-air c. water lily-sea d. frog-pond
3. Which of these is not a type of terrestrial habitat?
a. desert b. grassland c. fresh water d. tundra
4. Hibernation is an adaptation for
a. preventing loss of water b. escaping hot water
c. escaping from cold weather d. none of these
5. When a hypothesis is proved correct it becomes
a. theory b. experiment c. problem d. application
6. Which of the following statements is incorrect?
a. All living things require air to breathe. b. Moving air makes it possible to fly a kite.
c. Air is present everywhere but not in soil. d. We can feel air but we cannot see it.
7. The presence of which of these components in the air varies from place to place?
a. oxygen b. nitrogen c. carbon dioxide d. water vapour
8. Mountaineers carry oxygen cylinders with them because
a. there is no oxygen on high mountains
b. oxygen is used for cooking
c. there is deficiency of oxygen on mountains at high altitude.
d. oxygen keeps them warm at low temperature
9. Which of the following components of air is present in the largest amount in the atmosphere?
a. nitrogen b. oxygen c. carbon dioxide d. hydrogen
10. Which of these plants do not have stomata?
a. water lily b. lotus c. tape grass d. all of these
11. Plants cannot absorb _____ directly from the atmosphere.
a. oxygen b. ozone c. carbon dioxide d. nitrogen
12. Rahul comes across an animal having a stream-lined and slippery body. What is the habitat of the animal?
a. grassland b. forest c. water d. forest
13. The distance between Delhi and Mumbai is usually expressed in units of
a. decameter b. metre c. kilometer d. centimeter

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14. How many kilograms make one metric ton
a. 10 b. 100 c. 1000 d. 40
15. What kind of motion does a pendulum have?
a. rotational b. rectilinear c. periodic d. non-periodic
16. Which of these is not a source of light?
a. sun b. moon c. stars d. lighted candle
17. Which of the following can never form a circular shadow?
a. a ball b. shoe box c. an ice cream cone d. a flat disc
18. Colour of the shadow of a red object in blue light is
a. blue b. black c. red d. pink
19. Lunar eclipse occurs on a
a. full moon day b. new moon day c. Monday d. Sunday
20. Which of the following is not a magnetic material?
a. gold b. nickel c. iron d. cobalt
21. Which of these does not use a magnet?
a. LCD TV b. electric fan c. DVD d. computer hard disk
22. Which of these materials can be used to make the needle of a compass?
a. copper b. steel c. aluminium d. silver
23. A freely suspended magnet comes to rest in the
a. north-south direction b. north-east direction c. north-west direction d. east-west direction
24. Which of the following is biodegradable?
a. banana peel b. broken glass c. steel spoon d. plastic mug
25. Amount of carbon dioxide in the air is
a. 21% b. 78% c. 0.9% d. 0.03%
26. Which of the following gases is a supporter of burning?
a. oxygen b. carbon dioxide c. hydrogen d. nitrogen
27. Fishes breathe through
a. lungs b. stomata c. skin d. gills
28. Low-lying land used to dispose garbage is called
a. waste land b. drainage c. land fill d. garbage bin
29. We can recycle
a. only biodegradable waste b. only non-biodegradable waste
c. both of them d. neither of them
30. A person who uses a scientific discovery to develop a new technology is called a
a. scientist b. philosopher c. technologist d. none of these

