



विद्या सर्वार्थ साधिका

ANANDALAYA
PERIODIC TEST – 3
Class : VIII

Subject: Science
Date: 04/01/2020

M.M : 50
Time : 2 Hours

General Instructions:

1. All questions are compulsory. There are 23 questions in all.
2. Question numbers 1 to 11 are objective type questions and carry 1 mark each.
3. Question numbers 12 to 14 are short answer questions and carry 2 marks each.
4. Question numbers 15 to 20 are also short answer questions and carry 3 marks each.
5. Question numbers 21 to 23 are long answer questions and carry 5 marks each.

1. The most common scale used to measure the magnitude of an earthquake is the (1)
(a) Seismograph (b) Richard scale
(c) Richter scale (d) Oscilloscope
2. _____ force makes the Earth move around the sun and also (1)
makes the moon go around the Earth.
(a) Frictional (b) Gravitational
(c) Electrostatic (d) Nuclear
3. 20.95% of the air is : (1)
(a) carbon dioxide (b) oxygen (c) nitrogen (d) sulphur
4. Internal fertilisation takes place in (1)
(a) Birds (b) Fishes (c) Frog (d) Star fish

5. A tadpole develops into an adult frog by the process of (1)
(a) Metamorphosis (b) Budding
(c) Fertilisation (d) Implanting
6. An ebonite rod rubbed with wool acquires positive charges. (1)
State True/False.
7. Zygote is a single cell from which human being develop. State (1)
True/False
8. Forest fires and volcanic eruptions add_____ (particulate (1)
matter/ energy) into the air.
- (OR)
- Taj Mahal is getting damaged due to effect of ____ (global
warming /acid rain).
9. Shooting stars are not stars but they are _____. (1)
10. How does the ozone layer protect life on Earth? (1)
11. Differentiate between adolescence and puberty. (1)
12. Explain the construction and working of an electroscope. (2)
13. What do you mean by global warming? What are its (2)
consequences?
14. Schematically represent sex determination in Human. From this (2)
what conclusion do you draw regarding a child being male or
female?
15. (a) What do you mean by phases of moon? (3)
(b) Explain waxing and waning periods of moon with neat
labelled diagram.

16. What is lightning conductor? How does it protect building from lightning? (3)
17. How can we prevent water from getting polluted? Suggest any three ways. (3)
18. (a) Why does the increase level of nutrients in the water affect the survival of aquatic organisms? (3)
What is this process called?
(b) Clear, transparent water is always fit for drinking. Comment.
19. In creating Dolly through cloning, how many female animals were involved? What were their roles? (3)
20. Define asexual reproduction. Describe two types of asexual reproduction in animals. (3)
21. (a) Differentiate between inner planets and outer planets. (5)
(b) Describe with diagram (i) Ursa Major constellation and (ii) Orion constellation.
(c) Even though stars are stationary, why do they appear to move from east to west?
22. Name any two common air pollutants and their main sources. Describe the effects of air pollution on climate, plants and animals. (5)
23. (a) What are the advantages of internal development? (5)
(b) Which is the hormone responsible for metamorphosis in frog?
(c) Name the element required for the synthesis of this hormone.
(d) Which is the hormone known as stress control hormone?