

Class 8 Science

Time: 2 ½ hrs

Total Marks: 80

General Instructions:

1. The question paper consists of 34 questions and is divided into four sections, A, B, C and D.

2. All questions are compulsory.

3. Section A comprises question numbers 1 to 15. These are multiple choice questions carrying one mark each. You are to select one most appropriate response out of the four provided options.

4. Section B comprises question numbers 16 to 22. These are SAQs carrying two marks each.

5. Section C comprises question numbers 23 to 31. These are SAQs carrying four marks each.

6. Section D comprises question numbers 32 to 34. These are SAQs carrying five marks each.

SECTION – A

1. In case of reproduction in Frogs, the eggs are hold together by

[1]

- a) Water
- b) Shell
- c) Jelly
- d) Frog's saliva

2. Which of the following gives the step wise method of reproduction?

[1]

[1]

- a) Fertilisation \rightarrow zygote \rightarrow foetus \rightarrow embryo
- b) Fertilisation \rightarrow foetus \rightarrow zygote \rightarrow embryo
- c) Fertilisation \rightarrow embryo \rightarrow zygote \rightarrow foetus
- d) Fertilisation \rightarrow zygote \rightarrow embryo \rightarrow foetus
- 3. The development of shell in hen's egg takes places during,
 - a) The formation of zygote
 - b) The fertilisation

- c) The travel to the oviduct
- d) The incubation period
- 4. In case of multicellular organisms, a group of specialized cells form,
- [1]

- a) Embryo
- b) Organs
- c) Tissues
- d) Nerves
- 5. Which of the following components of plant cells permits to and fro movement of particles?

[1]

- a) Cytoplasm
- b) Cell membrane
- c) Plasma membrane
- d) Cell wall
- 6. Moths and insects repellent has its base from
 - a) Coal
 - b) Coke
 - c) Coal tar
 - d) Fossils
- 7. Which of the following artificial fibers are suitable for making men's and women's casual wears?
 - [1]

- a) Rayon
- b) Polyester
- c) Acrylic
- d) Nylon
- 8. Under which of the following conditions, the remains of plants get converted to coal? [1]
 - a) High pressure and low temperature
 - b) High pressure and high temperature
 - c) Low pressure and high temperature
 - d) Low pressure and low temperature
- 9. Which of the following condition is the main reason for "droughts"?
- [1]

- a) Clearance of forests
- b) Increase in global temperature

[1]

- c) Over grazing of soil
- d) Reduction of infiltration rate
- 10. Which of the following is a major threat to protected forests and wild life sanctuaries?
 - a) Encroachment
 - b) Global Warming
 - c) Drought
 - d) Scarcity of food
- 11. The frictional force dependant on
 - a) Shape of the objects and nature of the fluid
 - b) Nature of the fluid and weight of the object
 - c) Weight of the object and shape of the object
 - d) Shape and size of the objects
- 12. Balu applies force on a moving remote truck. Which of the following action will take place?
 - a) The truck will change its direction
 - b) The truck will stop
 - c) The truck will increase its speed
 - d) All the above
- 13. Which of the following is an example of muscular force?
 - a) Movement of a car on the road
 - b) The presence of magnetic field around the earth
 - c) Boxer and kickboxing bag
 - d) The to and fro motion of pendulum
- 14. What colour does a combination of copper hydroxide and copper carbonate produce?
 - a) Red
 - b) Blue
 - c) Green
 - d) Colourless

a) New moon day

15. The maximum visibility of sunlit portion of the moon occurs on

[1]

[1]

[1]

[1]

[1]

[1]

b) Full moon day

c) Days before full moon

d) Days after full moon

SECTION – B

16. Explain the contribution of "magnifying glasses" in studying the Cell of the organisms.	
	[2]
17. Explain the process of formation of multicellular embryo from a si reproductive unit.	C
	[2]
18. Which season and months are best in India to sow the ground	nut seeds? [2]
19. Which organelle in cytoplasm is responsible for carrying information?	hereditary [2]
20.What are protected areas? Give example of one such kind.	[2]
21. Explain how vibration and sound are interrelated.	[2]
22. What force is present in solar system? What does it do?	[2]

SECTION – C

23.

[4]

- i) Does all the body parts grow at the same time during puberty?
- ii) Explain two such scenarios to prove.
- 24. Explain the process of fertilisation in frogs. Discuss the various stages involved in the life cycle of frog.

[4]

- 25. Explain the importance of microorganisms in the production of dairy products. [4]
- 26. What are the inputs and outcomes of the "combustion" process? Give an example.

- 27. How to prevent milk from spoiling and preserve it? [4]
- 28. What action has been taken to preserve the river Ganga? [4]
- 29. Give an example of highly reactive metal and non-metal and a method to store them. [4]
- 30. When does the eye consider an object is in motion? Give example. [4]
- 31. Pressure is inversely proportional to area. Prove it with example. [4]

SECTION – D

- 32. How outgrowths become individuals in Hydra? Explain with diagram. [5]
- 33. Give any five different kind of pollutants present in the air and the sources of it.
- 34. [5]i) Application of force leads zero changes in state of motion. Prove with example.
 - ii) Give two causes of tremors.