

**GOVERNMENT OF ARUNACHAL PRADESH
DIRECTORATE OF ELEMENTARY EDUCATION
ARUNACHAL PRADESH STATE BOARD EXAMINATION
ACADEMIC SESSION 2021-22
CLASS – VIII (EIGHT)
SUBJECT - SCIENCE**

TIME:-3 HRS

TOTAL MARKS -100
Pass Mark -33

GENERAL INSTRUCTIONS:

1. The question paper consist of **26** questions and is divided into **5** sections **A,B,C,D** and **E**.
2. Section A comprises question number **01** to **04**.
3. Section B comprises question number **05** to **12**.
4. Section C comprises question number **13** to **20**.
5. Section D comprises question number **21** to **23**.
6. Section E comprises question number **24** to **26**.

SECTION –A

(1x10=10)

Q.1. Choose the correct answer.

- i) Sound can travel through –
(a) Gases only (b) Solids only (c) Liquids only (d) Solids, Liquids and gases.
- ii) Yeast is used in the production of –
(a) Sugar (b) Alcohol (c) Hydrochloric acid (d) Oxygen
- iii) A Tadpole develops into an adult frog by the process of-
(a) Fertilization (b) Budding (c) Embedding (d) Metamorphosis
- iv) The number of nuclei present in a zygote is -
(a) One (b) Two (c) Four (d) None
- v) The most common carrier of communicable disease is –
(a) Ant (b) Dragonfly (c) housefly (d) spider
- vi) The metal which is liquid at room temperature -
(a) Sodium (b) Mercury (c) Calcium (d) Copper

- vii) Which of the following is a natural fibre?
 (a) Rayon (b) Nylon (c) Polythene (d) Wool
- viii) The right meal for adolescents consists of –
 a. Chips, noodles, cake. b. Chapati, dal, vegetables.
 c. Rice, noodles, burger. d. Vegetable cutlets, chips and lemon drink.
- ix) Which of the following cannot be charged easily by friction?
 (a) A plastic bag (b) A copper rod (c) An inflated balloon (d) A woolen cloth.
- x) Which of the following is not a planet of the sun?
 (a) Sirius (b) Mercury (c) Saturn (d) Earth

Q.2. Fill in the blanks. (1x5=5)

- (i) The size of the pupil becomes when you are in dim light.
 (ii) Micro organism can be seen with the help of
 (iii) Species found only in the particular area is known as.....
 (iv) The unit of frequency is
 (v) Damaged seeds would on top of water.

Q.3. Write the answers in one word. (1x5=5)

- (i) Name the unit in which the calorific value of fuel is expressed.
 (ii) Name the petroleum product used for surfacing roads.
 (iii) Name the largest planet of the solar system.
 (iv) Name the microorganism which can fix atmospheric nitrogen.
 (v) Which part of the cell contains organelles?

Q.4. Indicate whether the following statements are True (T) or False (F) (1x5=5)

- (i) Amoeba has irregular shape. ()
 (ii) Earthquakes can be predicted in advance. ()
 (iii) CNG is more polluting fuel than petrol. ()
 (iv) Sodium is a very reactive metal. ()
 (v) Like charges attract each other. ()

SECTION B

(2x8=16)

- Q.5. What is Red Data Book?
- Q.6. Define ignition temperature.
- Q.7. Define adolescence.
- Q.8. What do you understand by the term migration?
- Q.9. What are the major groups of microorganisms?
- Q.10. Give examples which indicate that nylon fibres are very strong.
- Q.11. Give two examples of each.
a. Kharif Crop. b. Rabi Crop.
- Q.12. What is constellation?

SECTION -C

(3x8=24)

- Q.13. Write short note on global warming
- Q.14. Explain why objects moving in fluids must have special shapes?
- Q.15. Sodium and potassium are stored in Kerosene. Give reason.
- Q.16. Where are chromosomes found in a cell? State their function.
- Q.17. Explain in what way noise pollution is harmful to human?
- Q.18. Suggest three measures to protect ourself from lightning.
- Q.19. What are the advantages of using CNG and LPG as fuels.
- Q.20. Explain why plastic containers are favoured for storing food.

SECTION- D

(4x5=20)

- Q.21. Differentiate between the following. (Any three)
- (i) Thermoplastic and thermosetting plastic.
- (ii) Fertilizers and manure.

(iii) Flora and Fauna.

(iv) Oviparous and Viviparous animals.

Q.22. State the laws of reflection.

Q.23. Make a sketch of the human nerve cell. What function do nerve cells perform.

Or

Give two example each of the situation in which you push or pull to change the state of motion of objects.

SECTION- E

(5x3=15)

Q.24. Make a labelled diagram of candle flame.

Or

Write differences between metals and non-metals on the basis of their physical properties.

Q.25. Make a sketch of a plant all.

Or

Draw a labelled sketch of the human eye.

Q.26. 'Avoid plastics as per as possible' Comment on this advice.

Or

Explain the circumstance leading to acid rain. How does acid rain affect us.
