



BOARD ACTIVITY SHEET: March 2025

Science and Technology Part - 2

Time: 2 Hours

Max. Marks: 40

Note:

- i. All questions are compulsory.
- ii. The numbers to the right of the questions indicate full marks.
- iii. In case of MCQs [Q. No. 1(A)] only the first attempt will be evaluated and will be given credit.
- iv. Scientifically and technically correct, labeled diagrams should be drawn wherever necessary.
- v. Each new question should be started on a new page.

Q.1. (A) Choose the *correct* option and write the correct alternative:

[5]

(B) Answer the following questions:

[5]

- (b) Answer the following questions:

 - Find the odd one out:
Fragmentation, Regeneration, Budding, Fertilization.
 - Write the correct co-relation:
Diabetes: Insulin :: Cancer: _____
 - State whether true or false:
Study of fossils is an important aspect of the study of evolution.
 - Give any two commercial uses of Biotechnology.
 - Being a fish, I perform respiration with the help of lungs. Who am I?

Q.2. (A) Give scientific reasons (any two):

[4]

- i. Sometimes, higher plants and animals too perform anaerobic respiration.
 - ii. It is not right to consider the mother responsible, for giving birth to a girl child.
 - iii. The energy generated from nuclear fuels is not environment friendly.

(B) Answer the following questions (any three):

[6]

- j) Complete the following food chain:



- ii. Distinguish between the following:
Class Pisces and Class Reptiles

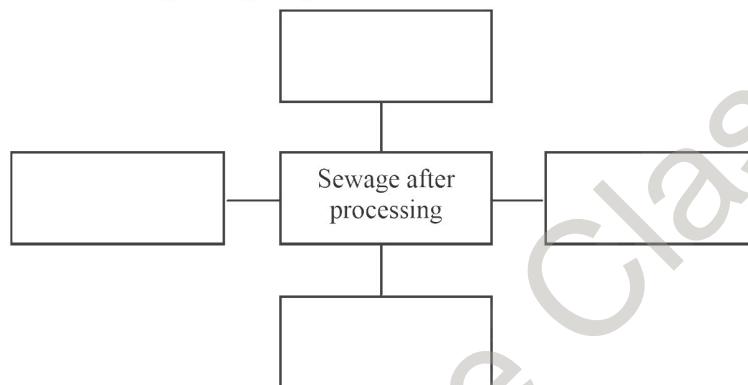




- iii. Observe the following picture and write any *two* effects of this disaster:



- iv. Write any *four* methods to reduce stress.
v. Complete the following conceptual picture:

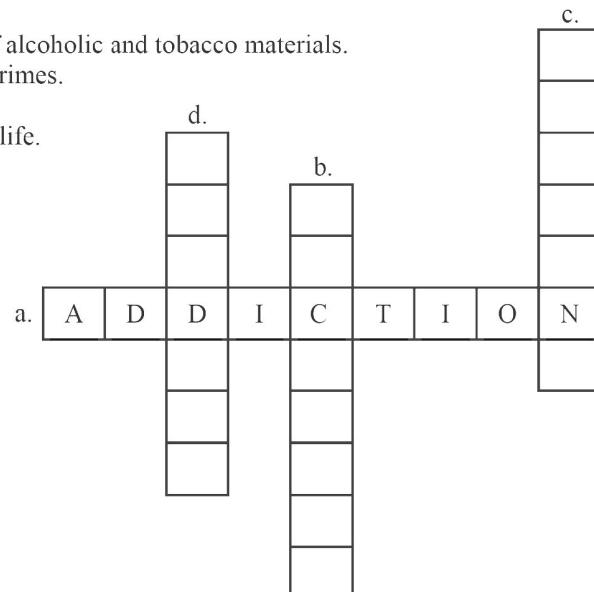


Q.3. Answer the following questions (any *five*):

[15]

- Define heredity. Explain the mechanism of hereditary changes.
- Write any *four* stages of mitosis and explain any *two* of them.
- Explain with examples types of asexual reproduction in unicellular organism.
- Which fuel is used in thermal power plant? Write any *two* problems associated with this type of power generation.
- Write *three* characteristics of phylum-Mollusca.
- What are the constituents of acid rain? What are its *two* effects on earth's surface?
- Solve the following crossword:

- Continuous consumption of alcoholic and tobacco materials.
- This app may cause cyber crimes.
- A remedy to resolve stress.
- Requirement for stress free life.





viii. Write down the reasons, effects and remedial measures taken for any *one* disaster seen or heard by you.

Q.4. Answer the following questions (any *one*):

[5]

- i. What is biodiversity? Write any *four* steps to conserve biodiversity.
- ii. What is stem cell? Write any *four* uses of stem cells.

Renaissance Classes

