

**SSC**

# SOLVED PAPERS

MAHARASHTRA BOARD  
CLASS X



SCAN THE QR CODE FOR  
**ALL SOLVED PAPERS**  
AND PRACTICE PAPERS



**2025 BOARD PAPER INCLUDED**

Be the Next Topper - Call us now at **73042 34055**

# Newton's Academy

## Science Part 2

**Time: 2 Hours**
**Max Marks: 40**

- Note:**
- i. All questions are compulsory.
  - ii. Use of a calculator is not allowed.
  - iii. The numbers to the right of the questions indicate full marks.
  - iv. In case of MCQs (Q. No. 1(A)) only the first attempt will be evaluated and will be given credit.
  - v. For each MCQ, the correct alternative (A), (B), (C), (D) with subquestion number is to be written as an answer.  
For Eg: (i) (A), (ii) (B), (iii) (C)
  - vi. Scientifically correct, labelled diagrams should be drawn wherever necessary.

**Q.1. (A) Write the correct alternative:** [5]

- i. Bones contain \_\_\_\_\_ amino acids.
 

(A) Melanin	(B) Haemoglobin
(C) Ossein	(D) Insulin
- ii. Giant squirrel is an example of \_\_\_\_\_ threatened species.
 

(A) Endangered	(B) Rare
(C) Vulnerable	(D) Indeterminate
- iii. Human being belongs to \_\_\_\_\_ class.
 

(A) Mammalia	(B) Amphibia
(C) Reptilia	(D) Cyclostomata
- iv. Organs like \_\_\_\_\_ can be donated after death.
 

(A) Skin	(B) Heart
(C) Lungs	(D) Bones
- v. Volcano is a \_\_\_\_\_ disaster.
 

(A) Social	(B) Political
(C) Biological	(D) Geological

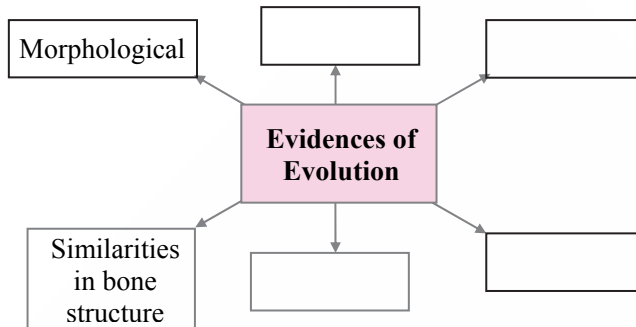
**(B) Answer the following:** [5]

- i. Find the odd one out:  
Earthquake, Flooding, Tsunami, War
- ii. State true or false:  
Oxidation of proteins is carried out in aerobic respiration.
- iii. Complete the correlation:  
Western ghat : Asiatic lion : : Sunderban sanctuary : \_\_\_\_\_
- iv. Which type of fuel is used in thermal power plant?
- v. Identify the picture and name it.



- Q.2. (A) Give scientific reasons (any two):** [4]
- Cell division is one of the important properties of cell and organisms.
  - Cockroach belongs to phylum Arthropoda.
  - Power generation plant based on natural gas is eco-friendly.

- (B) Answer the following (any three):** [6]
- Complete the following diagram:



- What do we learn from the story of Jadav Molai Payeng?
- Distinguish between sexual reproduction and asexual reproduction. (two points)
- Define genetically modified crops and give any two examples.
- What are vitamins? Write two types of vitamins.

- Q.3. Answer the following (any five):** [15]
- Explain the meanings of the following symbols:

(1)



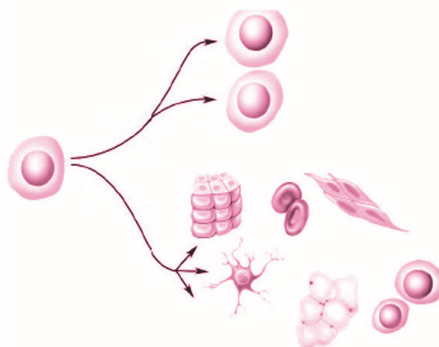
(2)



(3)

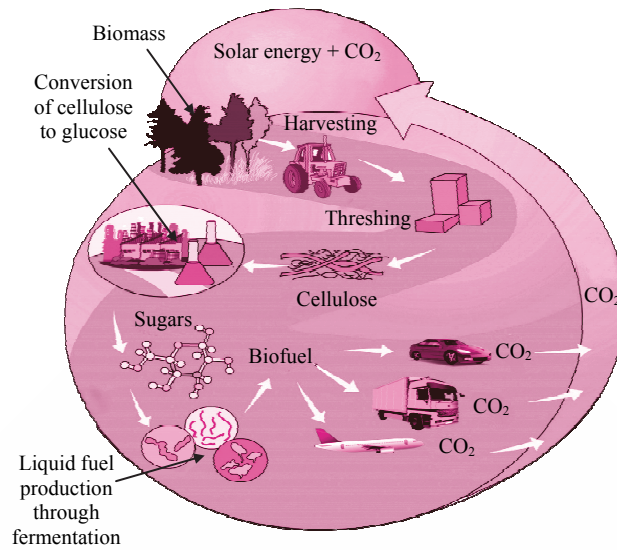


- Write any three characteristics of class reptilia.
- Which substance is used to produce cheese?
  - Which enzyme was used earlier for cheese production?
  - Which enzyme is used to produce vegetarian cheese?
- Which process is shown in the given diagram?
  - What is the importance of this process?
  - Which organs can be transplanted by this process?



- What is meant by disaster? Write any two examples of each natural and man-made disaster.
- Write the objections raised against Darwin's theory of natural selection.

vii.



- (1) Which process is shown in the above given picture?
- (2) Give *two* examples for liquid fuels and solid fuels obtained by this process.

vi. (1) Complete the stages in electric generator using wind energy.



- (2) Write limitations in an electric generator using wind energy.

**Q.4. Answer any *one* of the following:**

[5]

- i.
  - a. Sketch and label the essential and accessory whorls of flower.
  - b. What is pollination?
  - c. Give any *two* examples of agents of pollination.
- ii. What will you do?
  - (1) You are spending more time on internet.
  - (2) Child of your neighbour is addicted to tobacco chewing.
  - (3) Your sister has become incommunicative.
  - (4) You have to use free space around your home for good purpose.
  - (5) Your brother studying in XII has developed the stress.