

SCIENCE AND TECHNOLOGY PART-2 : Question Paper Pattern

Time : 2 hours

Total Marks : 40

Instruction :

- (1) All questions must be attempted.
- (2) Wherever necessary scientifically correct diagrams and correct labelling should be drawn.
- (3) Start every main question on a new page.
- (4) Numbers to the right indicate marks.
- (5) For questions No.1 (A) MCQ marks will be given only for the first attempt.
- (6) The answer to every MCQ should be written as shown - Example 1 (A).

	Marks	Marks with option
Q. 1 (A) 5 Multiple choice questions of 1 mark each (Textbook based questions)	5	5
(Note : There will be no internal option for this question. You are expected to write only the correct alphabet for the appropriate alternative.)		
Q. 1 (B) 5 Questions of 1 mark each (No fill in the blanks questions)	5	5
(Note : All questions will be of different types.)		
Different types of questions :		
(1) Find the odd man out : To identify odd component/picture from the given ones.		
(2) Correlations : By observing the correlation in the first pair, complete the second pair.		
(3) Match the columns/pairs.		
(4) Write true or false.		
(5) Write the name/molecular formula : This question may also include a picture/figure to be named.		
(6) Flow chart with a blank to be filled. This question will also not have any internal option.		
Q. 2 (A) 3 Scientific reason questions of 2 marks each (Attempt any 2) (Minimum 1 question from Biology and 1 from EVS)	4	6
(Attempt any 2 out of 3 questions of 2 marks each) (Questions based on scientific reason will have Minimum 1 question from Biology and 1 from Environment Science)		
Q. 2 (B) 5 Questions of 2 marks each (Attempt any 3) (Minimum 2 from Biology and 2 from EVS)	6	10
(Attempt any 3 out of 5 questions of 2 marks each) (Minimum 2 questions from Biology and 2 from Environment Science)		
Different types of Questions :		
(1) Solve the numerical problem.		
(2) Write laws/definitions/principles and explain with examples.		

(3) Write a short note : Write a note on the concept understood from a given figure/ picture.

(4) Complete the flow chart

(5) Distinguish between / Give difference between : 4 points of differences to be written.

(6) Write properties/characteristics/uses/advantages/effects : A minimum of 4 statements to be written.

(7) Give examples

Q. 3 8 Questions of 3 marks each (Attempt any 5) (4 from Biology and 4 from EVS) 15 24

(Attempt any 5 out of 8 questions of 3 marks each) (4 from Biology and 4 from Environment Science)

Different types of questions :

(1) Give explanation using the given statements

(2) Suggest remedies/measures

(3) Explanation of diagrams

(4) Complete the table/chart

(5) Explain with the help of examples

(6) Complete the diagram

(7) Answer questions based on figures

(8) Write answers with explanations

(9) Write laws, theories and explain

(10) Complete the paragraph

Q. 4 2 Questions of 5 marks (Attempt any 1) (1 from Biology and 1 from EVS) 5 10

(Attempt any 1 out of 2 questions of 5 marks each) (1 from Biology and 1 from Environment Science)

Different types of questions :

(1) Draw a figure and give explanation

(2) To correct the incorrect diagram

(3) Classify with detailed explanation

(4) Read the given paragraph and answer the questions

(5) Complete the given incomplete table/chart and give explanation

(6) Answer the questions in detail

(7) Draw a concept diagram based on the given item and explain

Total 40 60

Note : Different types of questions given, can be asked in Q. 1 (B), Q. 2 (B), Q. 3 and Q. 4. Chapter nos. 4, 5, 9, and 10 are considered to be from Environment Science, while all remaining are pertaining to Biology.)