

Science & Technology (Part-1)

Physics: 1) Gravitation 4) Effect of Electric Current 6) Refraction of Light
7) Lenses 10) Space Missions

Chemistry: 2) Periodic classification of elements 3) Chemical Reactions and Equations
5) Heat 8) Metallurgy 9) Carbon Compounds

Q.1. (A) Write the correct alternative:

[5]

Remember:

1. There will be 5 multiple choice questions, carrying 1 mark each.
2. All MCQs will be based on textbook only.

Q.1. (B) Answer the following :

[5]

Remember:

1. There will be 5 different types of objective questions of 1 mark each.
2. All questions will be of different types.
3. Different types of questions are:
 - i. Find the odd one out.
 - ii. Correlate
 - iii. Match the column / Make pairs.
 - iv. True or False
 - v. Give the names / Molecular formula

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

[4]

Remember:

1. There will be 3 questions of 2 marks each.
2. Student should attempt any 2 of them.
3. Minimum 1 question from Chemistry and 1 from Physics to be asked.

Q.2. (B) Answer the following (Any three):

[6]

Remember:

1. In this question, 5 questions of 2 marks each will be asked.
2. Student should solve any 3 of them.
3. Minimum 2 questions from Chemistry and 2 from Physics to be asked.
4. Different types of Questions:
 - i. Solve numerical problems.
 - ii. Laws / Define / Principle
 - iii. Short notes.
 - iv. Chemical reactions
 - v. Complete the flow chart
 - vi. Give difference between
 - vii. Write properties / characteristics / uses / advantages / effects.
 - viii. Give examples.

Q.3. Answer the following (Any five):

[15]

Remember:

1. There will be 8 questions of 3 marks each.
2. Student should attempt any 5 of them.
3. 4 questions from Chemistry and 4 from Physics to be asked.
4. Different types of questions:
 - i. Give explanation using the given statements.
 - ii. Suggest remedies / measures.
 - iii. Explanation of diagram.
 - iv. Complete the table / chart.
 - v. Explain with the help of examples.
 - vi. Solve numerical problems.
 - vii. Complete the diagram.
 - viii. Answer questions based on figures.
 - ix. Write answers with explanation.
 - x. Write law, theories and explain.
 - xi. Complete the paragraph

Q.4 Answer the following (Any one):

[5]

Remember:

1. There will be 2 questions of 5 marks each.
2. Student should attempt any 1 of them.
3. 1 question from Chemistry and 1 from Physics to be asked.
4. Different types of questions:
 - i. Draw a figure and give explanation.
 - ii. Correct the given incorrect diagram.
 - iii. Classify with detailed explanation.
 - iv. Read the given paragraph and answer the questions.
 - v. Complete the given incomplete table / chart and give explanation.
 - vi. Answers the questions in details.
 - vii. Make a concept diagram based on any component or technology.