

QUESTION BANK: SCIENCE LABORATORY

By Dr. Poulami Jana

Sponsored Teachers' Training College, Purulia

A. VERY SHORT ANSWER TYPE QUESTIONS (1 MARK EACH)

1. Define a science laboratory.
 2. Mention one importance of a science laboratory in teaching science.
 3. Write one safety measure that should be taken in a science laboratory.
 4. Give one example of an improvised apparatus in a science lab.
 5. Name two essential equipment of a chemistry laboratory.
 6. Which instrument is used to measure small lengths in a physics lab?
 7. Mention any one preserved specimen used in a biology laboratory.
 8. Write one advantage of having storage facilities in a science laboratory.
-

B. SHORT ANSWER TYPE QUESTIONS (3–5 MARKS EACH)

1. Explain the importance of a science laboratory in developing scientific skills among learners.
 2. Write a short note on the planning of a science laboratory.
 3. List three safety equipment commonly found in a science laboratory.
 4. Mention any three features of a well-planned science laboratory.
 5. Differentiate between physics and chemistry laboratory equipment with examples.
 6. Explain the role of the science laboratory in making learning permanent.
 7. Write short notes on:
 - (a) Teacher's demonstration table
 - (b) Storage facilities
 - (c) First-aid box in the laboratory
-

C. LONG ANSWER TYPE QUESTIONS (8–10 MARKS EACH)

1. Discuss the importance of the science laboratory in effective teaching and learning of science.
2. Describe the planning of a science laboratory. What factors should be considered while designing it?
3. Write an essay on the essential equipment required in a well-equipped physics laboratory.
4. Explain the role of laboratory experiments in developing a scientific attitude among students.
5. How can a teacher ensure maximum utilization of science laboratory resources? Discuss with examples.

6. Describe the equipment and arrangement of a biology laboratory with suitable examples.
-

D. MULTIPLE CHOICE QUESTIONS (MCQS)

1. The main objective of a science laboratory is:
a) Rote memorization
b) Practical learning through experiments
c) Learning definitions only
d) Teacher-centered instruction
Answer: b
2. A fume cupboard is most commonly used in:
a) Physics lab
b) Chemistry lab
c) Biology lab
d) Mathematics lab
Answer: b
3. Which of the following is not a piece of equipment in a science laboratory?
a) Demonstration table
b) Student work benches
c) First-aid box
d) Blackboard duster
Answer: d
4. Vernier caliper and screw gauge are used in:
a) Biology laboratory
b) Chemistry laboratory
c) Physics laboratory
d) Language laboratory
Answer: c
5. The preserved specimen of a frog is used in:
a) Physics lab
b) Chemistry lab
c) Biology lab
d) Computer lab
Answer: c