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(c) Fume Hood

(d) Laboratory chemical waste management

(3×5)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 11209 K

Unique Paper Code : 217167460002

Name of the Paper : SBC: Best Practices in
Chemical Laboratory Safety

Name of the Course : B.Sc. (Prog.) Life Sciences/
B.Sc. (Prog.) Physical
Sciences

Semester : VII

Duration : 1 Hour Maximum Marks : 30

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any Two questions in all.
3. All questions carry equal marks.

(1000)

P.T.O.

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1. (a) Why Safety Data Sheet (SDS) is important in Chemistry laboratory? What information is provided in SDS.

(b) What are the various measures that should be taken in general while performing the experiment in chemistry laboratory?

(c) What are the first aid measures for acid-base splashes on skin? (3×5)

2. (a) Discuss the role of Globally Harmonized System(GHS) in categorizing the laboratory hazards. Explain health hazards in brief.

(b) Discuss the various strategies to minimize risk in a chemistry laboratory.

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(c) What do you understand by carcinogens. Explain with suitable examples. (3×5)

3. (a) Mention the importance of Personal Protective Equipment (PPE) in laboratory for Safety.

(b) What is difference between acute and chronic chemical exposure?

(c) How should acid, base, and organic chemical spills be cleaned up in a laboratory? (3×5)

4. Write short notes on any **three** of the following :

(a) Nanomaterial hazards

(b) Chemical Inventory

P.T.O.