

INSTRUCTIONS AND INFORMATION

1. This question paper consists of THREE SECTIONS.

SECTION A: 25 Marks (Compulsory)

SECTION B: 25 Marks (Compulsory)

SECTION C: 20 Marks (Answer any TWO questions)

2. Answer in blue or black ink.
3. Start each section on a new page.
4. Read all the instructions carefully.
5. Number the questions as they appear in the question paper.
6. Leave a line open between each answer.
7. Write neatly and legibly.

SECTION A: (COMPULSORY)

Answer ALL the questions in this section.

QUESTION 1

Various options are provided as possible answers to the following questions. Choose the answer and write only the letter (A - D) next to the question number (e.g. 1.1 - 1.10) in the ANSWER BOOK, for example 1.4 B.

- 1.1 A volunteer can be defined as...
 - A. a person who believes that we and others are unjustified.
 - B. a person who is happy and enthusiastic.
 - C. a person who dislikes or fears people from other countries.
 - D. a person that gives their time and/or things to help an organisation. (7)
- 1.2 What guides people in their career choices?
 - A. Being in denial
 - B. Interests and abilities
 - C. Being depressed
 - D. Both A and C are correct (7)
- 1.3 Line dancing...
 - A. people standing in a circle and dancing
 - B. where people dance in rows
 - C. where people repeat a sequence of steps
 - D. both B and C. (7)
- 1.4 The National Student Financial Aid Scheme (NSFAS)...
 - A. is a requirement for university entry
 - B. is awarded to merit students with outstanding talent and achievement in sports
 - C. provides study loans to financially disadvantaged students
 - D. offers study loans at a very high interest rate. (7)
- 1.5 At the end of the year you will have completed the...
 - A. SET Phase
 - B. GET Phase
 - C. Intermediate Phase
 - D. None of the above (7)

(26)

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H Kauffman



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The Enigmatic Realm of **Life Orientation Grade 1paper 2014 November**: Unleashing the Language is Inner Magic

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web calculate the mass percent mole fraction molality and molarity of hexane C_6H_{14} d 0 660 g cm⁻³ when it is mixed with heptane C_7H_{16} d 0 684 g cm⁻³ in a 35 0 55 0 ml ratio assume that the volumes are additive

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web notice that the mole fraction has no units on it and is written as a decimal value do not change it to percent note of caution you could see the term mole percent it is simply the mole fraction multiplied by 100 for example in the problem just

below the mole fraction of cinnamic acid is 0.2885 its mole percent would be 28.85

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web solution a 3.8 $\times 10^{-5}$ grams b 4.11 $\times 10^{-4}$ grams c 7.31 $\times 10^{-2}$ grams 4 7 1 mole practice with guidance exercises is shared under a not declared license and was authored remixed and or curated by libretexts these are homework exercises to accompany the textmap created for chemistry a molecular approach by nivaldo tro

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web what is the mole fraction of LiCl in the solution 11.8 practice problem acetone c 3 h 6 o has a density of 0.791 g/mL and xylene c 8 h 10 has a density of 0.864 g/mL a solution was prepared by mixing acetone and xylene calculate the mole fraction of acetone in a solution if 19.0 mL of acetone was dissolved in 98.4 mL of xylene 7 1

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web since the mole fraction of the O_2 is 0.050 it contributes 0.050 or if you will 5.0 of the total pressure thus total pressure is 0.21 0.050 4.2 atm problem 9 a sample of 1.43 g of helium and an unweighed quantity of O_2 are mixed in a flask at room temperature