

INTER SECONDARY SCHOOLS EXAMINATION SERIES

ISESE

FORM FOUR PRE-MOCK CHEMISTRY 1

TIME 3 HRS

Year: 2024

INSTRUCTIONS:

1. *This paper consists of sections **A, B** and **C** with a total number of **ten (11)** questions.*
2. *nsAnswer all questions in the space provided*
3. *All writing must be in **black** or **blue** pen except for diagrams which must be in **pencil**.*
4. *Write your **examination number** at the top right corner of every page*
5. *The following **atomic masses** may be used; $H = 1$, $O = 16$, $S = 32$, $Cl = 35.5$, $Na = 23$, $C = 12$, $Ag = 108$, $N = 14$*

SECTION A (16 Marks)

Answer all questions in this section

1. For each of the items (i)-(x) choose the correct answer from the given alternative and write its letter beside the item number in the answer booklet provided.
 - i) Form four students in a certain school were doing a scientific study about Malaria diseases in the coast region. Which among the following scientific procedures was used to accept or reject the hypothesis made?
 - a) Data interpretation
 - b) Experimentation
 - c) Conclusion
 - d) Hypothesis formulation
 - e) Problem identification
 - ii) Which of the following sets of laboratory apparatus are used to measure volume of water?
 - a) Thistle funnel, separation funnel and beaker
 - b) Burette, pipette and measuring cylinder
 - c) Crucible, kip's apparatus and volumetric flask
 - d) Volumetric flask, distillation flask and test tube

- e) Test tube, beaker and gas jar
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- iii) What is the proper set of apparatus you would use to measure various substances in the laboratory?
 - a) Stopwatch, beaker, burette and pipette
 - b) Beaker, pipette, stopwatch and electrical balance
 - c) Electrical balance, pipette, stopwatch and thermometer
 - d) Thistle funnel, pipette, burette and measuring cylinder
 - e) Beaker, measuring cylinder, thermometer and pipette
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- iv) Equal volume of water from different sources boiled in a dish until no water left. Which of the following will leave out with no deposits?
 - a) Spring water
 - b) Rain water
 - c) Lake water
 - d) Pound water
 - e) Tap water
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- v) Works from a cement industry carelessly dispose of waste contaminants with lime to a nearby field. The soil in the field is likely to be
 - a) Acidic
 - b) Alkaline
 - c) Neutral
 - d) Amphoteric
 - e) As hard as cements
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- vi) Mrs. Robson wanted to transfer some chemicals from the wincher bottle to small bottlers for her students to do an experiment. The smaller bottle are called
 - a) Storing bottles
 - b) Wash bottles
 - c) Reagent bottler
 - d) Chemical bottler
 - e) Drop per bottles

- vii) If you want the Bunsen burner to have the same flame colour as the candle flame, you must.
- Have air hole completely opened
 - Turn on a large supply of gas
 - Have air hole completely closed
 - Have more candle burning
 - Have completely removed the barrel
- viii) Access to safety equipment should never be blocked by any object because
- It is just a simple law
 - There must be space for people to move around in the laboratory
 - The equipment is used everyday
 - It is important to reach safety equipment quickly in case of an accident
- ix) Ammonia is the basic gas that can be obtained by reacting ammonium salt and calcium hydroxide. Which of the following can be dry ammonia during its preparation?
- Concentrated sulphuric acid
 - Calcium chloride
 - Calcium oxide
 - Lime water
 - Calcium carbonate
- x) If Peter wants to electroplate a spoon with copper by using copper (II) sulphate solution. He should arrange the electrodes as:
- Spoon as anode and copper as cathode
 - Spoon as cathode and copper as anode
 - Spoon as anode and carbon as anode
 - Spoon as cathode and copper sulphate solution
 - Spoon as copper solution

Qns	i	ii	iii	iv	v	vi	vii	viii	ix	x
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Ans										
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