ELIMU254 TOPICAL REVISION

Kenya CBC | Junior School | Grade 7

Name		**Class**	
School		**Year**	

TOPICAL REVISION QUESTIONS

GRADE 7: PRE-TECHNICAL STUDIES: ALL STRANDS

113 questions in 14 exercises, with all the answers at the back

HOW TO USE THIS BOOK

1. Each subject follows the KICD curriculum design strand by strand. There is one exercise for every sub-strand, in the order it is taught.
2. Do an exercise after the sub-strand is taught, for revision before a test, or as homework and holiday work.
3. Answer in the spaces provided. For a multiple-choice question, circle the letter (A, B, C or D) of the correct answer.
4. The marks for each question are shown in brackets. Show your working where a question needs it.
5. The answers for every exercise are at the back of the book, subject by subject, for the teacher or parent to mark.

SUBJECTS IN THIS BOOK

Subject	Exercises	Questions
Pre-Technical Studies	14	113

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PRE-TECHNICAL STUDIES

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PRE-TECHNICAL STUDIES

Revision questions

FOUNDATIONS OF PRE-TECHNICAL STUDIES

Exercise 1: Introduction to Pre-Technical Studies (16 marks)

1. Which area of Pre-Technical Studies deals with starting a business? (1 mark)

A Entrepreneurship **B** Drawing

C Materials **D** Safety

2. Which career repairs computers? (1 mark)

A Mason **B** Computer technician

C Plumber **D** Tailor

3. Technical courses after school can be studied at a: (1 mark)

A bank **B** market

C TVET institute **D** hospital

4. Name the components (areas) of Pre-Technical Studies and give one thing learnt in each. (4 marks)

5. Give three ways Pre-Technical Studies is useful in daily life. (3 marks)

6. Name four careers linked to Pre-Technical Studies. (4 marks)

7. Name two places in Kenya where technical courses can be studied after school. (2 marks)

Exercise 2: Safety in the Immediate Environment (21 marks)

1. The best response to a spill on a workshop floor is to: (1 mark)

A walk around it
B cover it with paper
C leave it to dry
D wipe it up at once

2. Which is a non-physical threat to a computer? (1 mark)

A A computer virus
B Dust
C Water
D Theft

3. If you are cyberbullied, you should: (1 mark)

A reply with insults
B tell a trusted adult
C delete everything and keep quiet
D share your password

4. Name three common causes of accidents in a workshop and say how each can be prevented. (6 marks)

5. Give two physical threats and two non-physical threats to computers. (4 marks)

6. What is cyberbullying? Give two things a learner should do if cyberbullied. (3 marks)

7. Give three safety rules for using a computer at home. (3 marks)

8. Give two reasons why a workshop must have a first aid kit and a fire extinguisher. (2 marks)

Exercise 3: Computer Concepts (20 marks)

1. Raw facts that have not been processed are called: (1 mark)

A information **B** software
C data **D** output

2. Which is the largest and fastest type of computer? (1 mark)

A Laptop **B** Desktop
C Minicomputer **D** Supercomputer

3. A computer's ability to do many different tasks is called: (1 mark)

A versatility **B** speed
C accuracy **D** storage

4. What is a computer? Name its four basic functions. (5 marks)

5. What is the difference between data and information? (2 marks)

6. Give three characteristics of computers. (3 marks)

7. Classify computers by size into four groups and give one use of each. (4 marks)

8. Give three uses of computers in a hospital. (3 marks)

COMMUNICATION IN PRE-TECHNICAL STUDIES

Exercise 4: Introduction to Drawing (21 marks)

1. A house plan is an example of: (1 mark)

A a cartoon **B** technical drawing

C a painting **D** a poster

2. A line made of long and short dashes is a: (1 mark)

A hidden line **B** outline

C centre line **D** dimension line

3. The name, date and scale of a drawing are written in the: (1 mark)

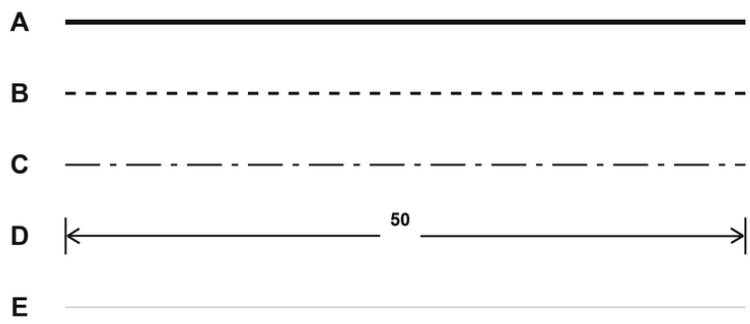
A margin only **B** centre of the drawing

C back of the paper **D** title block

4. Give three reasons why drawing is important in technical work. (3 marks)

5. Give two differences between artistic drawing and technical drawing. (2 marks)

6. The diagram below shows five types of lines used in technical drawing.



Types of lines

(a) Name the lines A, B, C, D and E. (5 marks)

(b) Which line is used to show edges that cannot be seen? (1 mark)

7. Using guidelines 5 mm apart, print the words "PRE-TECHNICAL STUDIES" in single-stroke capital letters. (3 marks)

8. Name four items written in the title block of a drawing. (4 marks)

Exercise 5: Free-hand Sketching (24 marks)

1. Drawing without instruments such as rulers is called: (1 mark)

A free-hand sketching **B** technical drawing
C tracing **D** printing

2. Shading with close parallel lines is called: (1 mark)

A stippling **B** hatching
C blending **D** colouring

3. In the box method, the box lines are drawn: (1 mark)

A very dark **B** in ink

C lightly **D** last

4. Name three items needed for free-hand sketching. (3 marks)

5. Give three qualities of a good sketch. (3 marks)

6. Sketch free-hand: (a) a horizontal line 80 mm long (b) a vertical line 60 mm long (c) a circle of about 50 mm diameter. (3 marks)