

Wings
002

TIME:1hour 40mins

Learner's Name: _____
School: _____
Adm No: _____

Assessment Number _____
School Code _____
Date _____

1. Write your name and assessment number in the spaces provided above.
2. Write the name and code of your school in the spaces provided above.
3. Sign and write the date of the assessment in the spaces provided above.
4. This paper consists of **two** sections: **A** and **B**.
5. **Section A** comprises Multiple Choice Questions.
6. **Section B** comprises Short Structured questions.
7. Answer **ALL** the questions in section A on the separate **ANSWER SHEET** provided.
8. Answer **ALL** the questions in section B in the spaces provided in this question paper.
9. Do not remove any page from this question paper.
10. Answer all questions in **English**.

Read the instructions carefully.

- Read the instructions carefully.
- You have been given this question paper and a separate answer sheet.
- Answer ALL questions in this section on the ANSWER SHEET provided, NOT in the question paper.
- HOW TO USE THE ANSWER SHEET**
- On the answer sheets you have been provided write the following:

- YOUR ASSESSMENT NUMBER	- YOUR NAME
- NAME OF YOUR SCHOOL	- NAME OF THE SUBJECT
- Keep the answer sheet clean, dry and DO NOT fold it.
- For each of the questions 1 – 30, four options are given. The options are lettered A, B, C and D. In each case, only ONE of the four options is correct. Choose the correct answer from the options.
- On the answer sheet, the correct answer (letter) is to be written.

In the Question Booklet:

13. Choose the correct answer.
The following are parts of a computer. Which one is not?
A. Keyboard B. Flashdisk
C. CPU D. Monitor

The correct answer is 'B'.

On the answer sheet, write the letter B.

14. For each question, **ONLY ONE** letter is to be written.

Question	21	22	23	24	25	26	27	28	29	30				
Learner's Score per Question														
Maximum Score per Task	3	3	3	4	3	3	3	3	3	2				

This paper consists of 8 printed pages.

Learner's should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

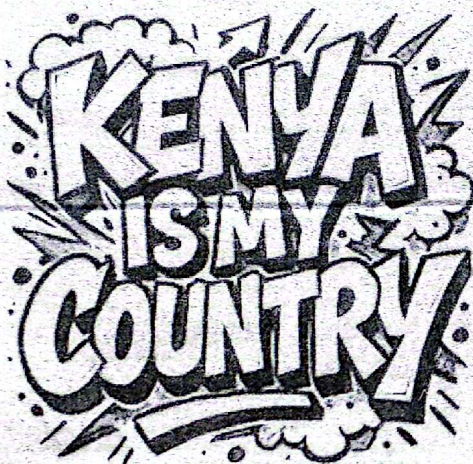
SECTION A (20 marks)

1. Grade 7 learners were asked to state why Pre-Technical Studies is an important learning area in junior school. Which of the following is correct?
 - A. To focus only on business and entrepreneurship
 - B. To train learners to become professional scientists
 - C. To prepare learners exclusively for engineering careers
 - D. To equip learners with practical skills for problem-solving
2. Which of the following is a safety rule in a work environment?
 - A. Ensuring floors are wet and slippery after cleaning
 - B. Wearing protective gear when working
 - C. Leaving all lights on after work to avoid robbery
 - D. Running in a workshop instead of walking
3. The following are some tools used in drawing. Which one of them is used to draw a circle?
 - A. Set square
 - B. Compass
 - C. Steel rule
 - D. Divider
4. Communication is the passing of information from one person to another. Which one of the following is an importance of drawing as a form of communication?
 - A. Used to express emotions and feelings
 - B. It is mainly used to decorate books and classroom
 - C. It replaces written and spoken communication completely
 - D. It is only useful for artists and designers
5. Peter, a Grade 7 learner, was using a sharp panga to cut a tree. Which of the following safety rules should he observe?
 - A. Hold it by the sharp edge when passing it to a friend
 - B. Cut the tree with the blade facing away from the body
 - C. Lubricate it before storing it after use
 - D. Use it to dig holes to remove strong roots
6. In which learning area of Pre-Technical Studies do learners learn how to stay safe while online?
 - A. Business Studies
 - B. Computer Studies
 - C. Pre-Technical Studies
 - D. Biological Studies

7. Which one of the following is **not** a potential hazard to personal safety in the immediate environment?

A. Falls
B. Common road crashes
C. Slips
D. Hacking

8. A grade 7 learner drew the image below on the wall near the school gate.



What type of drawing is it?

- A. Portrait
B. Graffiti
C. Technical
D. Caricature
9. Which of the following letters is printed in upper case?
- A. y
B. h
C. j
D. F

11. A grade 7 learner drew the line below during a lesson on technical drawing. Name the line drawn



- A. Diameter
B. Radius
C. Across corners
D. Centre line

12. Which of the following is one of the roles of learning Pre-Technical Studies in junior school?

- A. Preparing learners to specialize in a single technical career at an early age
B. Developing basic practical skills and positive attitudes towards technology and work
C. Replacing academic subjects such as Mathematics and Languages
D. Training learners to operate heavy industrial machines

13. Maina a grade 7 learner was spraying his cabbages and wore the following protective equipment.



What is the name of the protective equipment?

- A. Helmet
 - B. Overall
 - C. Tracksuit
 - D. Apron
14. Which one of the following is the best definition of safety in the immediate environment?
- A. The absence of all dangers in the surroundings
 - B. Being free from harm and risks in one's surroundings
 - C. The ability to control other people's actions around you
 - D. Following rules only when an accident occurs

15. A technical drawing that shows a drawing in 3D is called?
- A. Artistic drawing
 - B. Technical drawing
 - C. Isometric drawing
 - D. Orthographic drawing

16. Which one of the following is an importance of learning business studies in Pre-technical studies?

- A. To acquire knowledge on how to program digital devices
- B. To acquire technical skills like using tools safely
- C. To acquire knowledge on entrepreneurship
- D. To learn how to be rich quickly

17. Which of the following is the correct definition of information as used in computer concepts?
- A. Electronic device that processes data
 - B. Raw data that is not meaningful to user
 - C. Processed data
 - D. Data that is disorganized

18. Which one of the following characteristics refers to ability of a computer to do tasks without fatigue?
- A. Versatility
 - B. Diligence
 - C. Accuracy
 - D. Consistency

19. A grade 7 learner was told to define the term computer hardware. Which of the responses below was correct?
- A. The instructions given to a computer to run tasks
 - B. The intangible components of a computer
 - C. The tangible and physical components of a computer system
 - D. The operating system of a computer

20. Which of the following shows the correct procedure for switching on a computer?
- A. Switch on the monitor → turn on the CPU → switch on the wall socket
 - B. Switch on the wall socket → switch on the monitor → turn on the CPU → wait for the operating system to load
 - C. Turn on the CPU → switch on the monitor → switch on the wall socket
 - D. Turn on the monitor only and begin using the computer

SECTION B

(30 marks)

21. The following list consists of some learning areas covered in Junior school. Which **three** of them form the Pre-technical studies subject? (3marks)

i) *Biological studies*

ii) *Creative arts*

iii) *Pre-technical skills*

iv) *Physical education*

v) *Business studies*

vi) *Computer studies*

22. A group of learners were given a task of constructing a wooden chair. Write **three** safety precautions they should observe in a workshop. (3marks)

23. List **three** reasons why it is important to always put on Personal Protective Equipment when working? (3marks)

24. Define the following terms;

a) Technical drawing

(2marks)

b) Artistic drawing

(2marks)

25. Write the meaning of the following abbreviations as used in technical drawing;

(3marks)

a) DRG

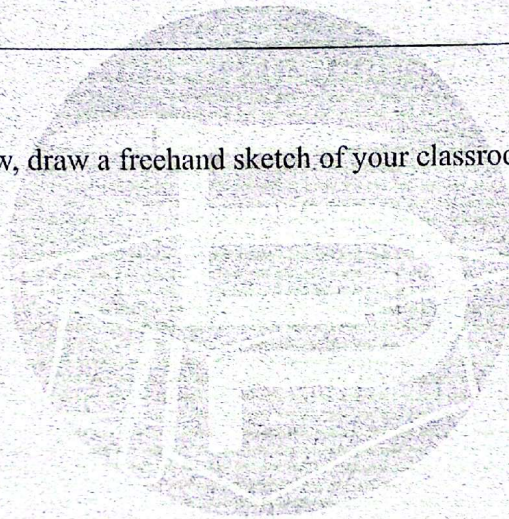
b) A/C

c) I/D

26. Physical threats in our immediate environment affects us in different ways. List **three** potential physical threats in our immediate environment (3marks)

27. List **three** freehand sketching techniques (3marks)

28. In the space provided below, draw a freehand sketch of your classroom showing the desks or lockers and chairs. (3 marks)



29. Define the following terms; (3marks)
- a) Computer

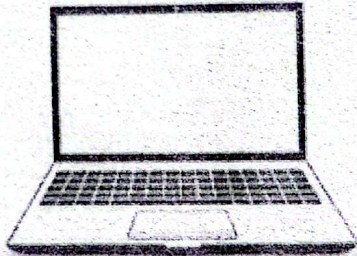
b) Data

c) Information

30. Name the following devices

(2 marks)

a)



b)

