

**SIGNAL CBC ASSESSMENT
SEVENTH TRIAL**

JUNIOR SCHOOL ASSESSMENT

—PRE-TECHNICAL STUDIES —

TIME: 1 hr 30 min

Learner's Name:
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Grade:
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School Name:
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Assessment No:
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Instructions for Learners:

1. Write down your name, name of your school and assessment number in the spaces provided.
2. This paper consists of 32 questions.
3. Ensure you check the question paper to ascertain that all the pages are printed and that no questions are missing.
4. Answer all the questions in the spaces provided.
5. Be sure to sign the **honour pledge** below at the end of this assessment.

Honour pledge: "I swear on my honour that I have not violated the honour code before or during this assessment".

Signature or Initial:

Date:

ASSESSMENT RUBRICS

Learning area	Performance	Exceeds Expectations (4)	Meets Expectations (3)	Approaching Expectations (2)	Below Expectations (1)
Pre-Technical Studies					

SECTION A (20 MARKS)

1. Computers are classified according to different criteria. Which among the following is a classification of computers according to functionality?
A. Super computers.
B. Analogue computers.
C. General purpose computers.
D. Special computers.
2. A grade seven learner makes the item shown below and sells it at the market on weekends.

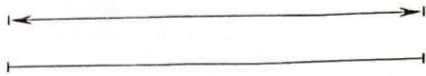


Which component of Pre-Technical studies is the learner practicing?

- A. Computer studies B. Business studies
C. Sales and marketing D. Pre-Technical studies.

3. Amani has set up a cybercafé in the nearby shopping center where he offers services and earns a living. Which one of the following is a desirable characteristic of computers?
A. Bulky
B. Expensive
C. Requires reliable power source
D. Versatile.
4. A grade seven teacher asked his learners to sketch without using a ruler. This kind of drawing is known as
A. freehand sketching B. artistic drawing
C. fine art drawing D. technical drawing.
5. Debra used email and video calls on her phone to exchange ideas with her classmates during a class project. Which ICT tools did she use?
A. Recording tools. B. Editing tools.
C. Communication tools D. Messaging tools.

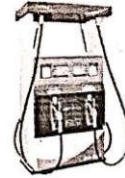
6. A learner used the line below to show the measurement of an object in millimeters.



The line shown above is called a

- A. leader line B. dimension line
C. break line D. center line.
7. An artisan shop makes different metallic items for sale in the export market. Which one of the following materials is **not** suitable for use in the shop?
A. Copper B. Brass
C. Zinc D. Asbestos.
8. Which one of the following best explains the importance of using ICT tools in communication? They
A. are only used by teachers and doctors
B. slow down the process of sending messages
C. make communication faster and easier
D. are used for decoration in offices.
9. Which one of the following is not a physical property of non-metallic materials? They
A. break down on hammering
B. are good conductors of electricity
C. are poor conductors of heat
D. are generally soft and easy to cut.
10. A situation where one avoids causing harm, discomfort or sickness to self or to others is referred to as
A. danger B. comfort
C. safety D. sanctuary.
11. Mumo does research on the internet about a paper he is writing. Which one of the following is a safe practice when using the internet?
A. Sharing your password with friends.
B. Asking an adult for help in case you see something strange on the internet.
C. Giving your home address to new friends on social media.
D. Clicking on pop-ups which offer presents.
12. Which one of the following is not an example of a technical drawing?
A. Electrical drawing
B. Structural drawing
C. Architectural drawing
D. Caricature drawing.
13. Which one of the following is not an example of data which can be fed into a computer to get information?
A. Report B. Videos
C. Sound D. Images.

14. The main risk of talking to strangers online is that they might
A. teach you new skills
B. share interesting things with you
C. become good friends
D. be dangerous people.
15. Grade seven learners were classifying computers according to functionality.



In which classification of computers does the item above fall under?

- A. Super computer B. Digital computer
C. Analogue computer D. Hybrid computer.
16. Which one of the following is a common use of computers?
A. Washing dishes. B. Sending emails.
C. Trimming the fence. D. Feeding livestock.
17. We are all expected to do something in order for us to earn a living. Which one of the following is a way to earn money?
A. Doing chores for payment.
B. Playing all day.
C. Wasting resources.
D. Sleeping.
18. Camile wanted to move the cursor and click on items on the monitor while using a computer. Which would be the most appropriate device for her to use?
A. Central processing unit B. Keyboard
C. Printer D. Mouse.
19. The process of sharing information through a channel from the sender to the receiver is referred to as
A. Web conferencing B. video calling
C. communication D. video editing.
20. A company deals in the production of the automobile parts shown in the picture below.



Which metal is most suitable for the production of the item shown in the picture above?

- A. Steel B. Copper
C. Gold D. Bronze.

SECTION B (30 MARKS)

21. Grade seven learners visited a carpenter's workshop and noticed that marking and measuring tools were lying around all over. State three ways of caring for measuring and marking tools they will educate the carpenter about. (3 marks)

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22. Njoroge, a jeweler, mostly uses shiny metals in his workshop to make decorative arts and jewelry. State three examples of metals suitable for his line of work. (3 marks)

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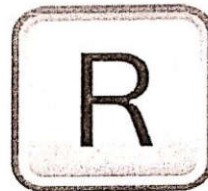
23. Identify three common synthetic materials used for the production of different materials. (3 marks)

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24. A grade seven Pre-Technical Studies teacher displayed the symbols below used in drawing. Name the symbols shown below. (2 marks)



(a)



(b)

25. State three classifications of computers according to size. (3 marks)

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26. Identify two examples physical threats to digital devices. (2 marks)

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27. The physical property of metals that allows them to be drawn to a magnet is referred to as

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(1 mark)

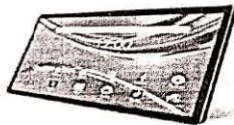
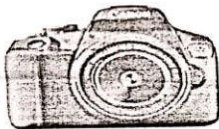
28. Gallwas Logistics Company is a shipping company that mainly deals in the import of non-metallic material. State three examples of non-metallic materials. (3 marks)

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29. Barbara likes recording videos and taking photographs. Name the digital devices below he is likely to use in his activities. (3 marks)



(a) (b) (c) (3 marks)

30. Make a free hand sketch of a cuboid.

31. Dorothy was learning about commonly used marking tools. State three examples of marking tools she likely encountered. (3 marks)

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32. Dennis always likes to help people when they are injured. Any assistance given to an injured person before being taken to a medical facility is known as (1 mark)