

JUNIOR SCHOOL

MONITORING LEARNER'S PROGRESS

EN/NJ/M/BB
MD-T1-2025

GRADE EIGHT - YEAR 2025 PRE-TECHNICAL STUDIES

{8}

Name:

School:

Learner's Number:

Gender: Boy

girl

TEACHER'S SCORING GUIDE - ASSESSMENT RUBRICS

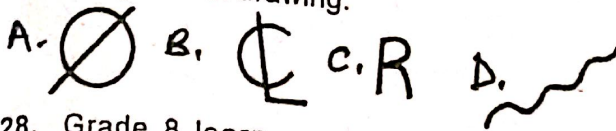
The grid below is to be filled by the teacher after marking the learners work.

Marks of Correct Answers	OUT OF TOTAL MARKS

- The following are components of Pre-technical studies **EXCEPT:-**
A. Physics B. Computer
C. Business D. Pre-technical
- Kamau a grade 8 learner was asked to list the data threats in a computer. Which of the following did he **CORRECTLY** list?
A. Virus attacks
B. Installation of antivirus
C. Strong passwords
D. Backing up data
- Which among the following is a safety measure that one can observe while at a work place?
A. Working in mud areas without gumboots
B. Attending to patients without hand gloves
C. Wearing face mask to prevent spread of airborne diseases
D. Working in poorly lit rooms
- Grade 8 learners listed some characteristics of metallic materials. Which one is **CORRECT**?
A. They heat up slowly
B. They are easier to break
C. They produce a dull sound on knocking
D. Some rust
- Which among the following is an advantage of hard copy output?
A. Expensive to produce
B. Not easy to move from place to place
C. Requires a lot of physical storage space
D. It is not subjected to data stealing and cyber attacked
- Which of the following is an example of unethical practice in production of goods and services?
A. Selling good quality products
B. Adding harmful ingredients to the products
C. Transparency
D. Packing the right quantity of goods
- Which among the following devices is a fixed storage device?
A. Solid state drive B. Digital versatile disc
C. Floppy disc D. Memory card
- The following are causes of fire in a work environment **EXCEPT:-**
A. Improper storage of flammable materials
B. Faulty equipments that are not in use
C. Human errors
D. Using faulty equipments such as extension cable

9. The following are fire fighting methods. Which one is **correctly** matched with its definition?
- Starving** - Use of foam and carbon dioxide fire extinguishers
 - Cooling** - Use of chemical sprays that stops burning
 - Smothering** - Cutting out the supply of oxygen to the burning object to slow down burning
 - Interrupting** - Removing combustible items from the vicinity of the fire
10. Which among the following is **NOT** a need to observe safety in a work environment?
- To reduce case of injuries
 - To increase death and injury cases
 - To decrease cases of permanent impairments
 - To reduce financial losses needed to repair damaged property
11. The following are verbal communication channels **EXCEPT:-**
- Speeches
 - Lectures
 - Emails
 - Telephone calls
12. Which of the following basic drawing abbreviation is **CORRECTLY** matched with its meaning?
- A/F - Above flats
 - I/D - Inner drawing
 - A/C - Above corners
 - O/D - Outer diameter
13. Which metal is wrongly matched with its use?
- Copper** - Making church and school bus
 - Aluminium** - Making airplanes
 - Silver** - Making coins
 - Gold** - Making jewellery
14. The following are challenges of the internet **EXCEPT:-**
- Causes laziness
 - Internet enables communication worldwide
 - Sometimes it contains misleading information
 - The internet contains activities such as posting of illicit videos that lead to moral decay
15. Which of the following is a measuring tool?
- Scribes
 - Spacing wheel
 - Voltmeter
 - Caliper
16. Which among the following types of computers is **WRONGLY** classified?
- Purpose** - Micro computers
 - Functionality** - Digital computers
 - Size** - Main frame computers
 - Functionality** - Hybrid computers
17. The following are ICT tools **EXCEPT:-**
- Emails
 - Magazines
 - Mobile phone
 - Web conferencing
18. Which among the following is **NOT** an injury resulting from fire outbreaks in a work environment?
- Fractures
 - Burns
 - Shock
 - Smoke chocking
19. Jambo wants to start a business with his savings but has no idea. Which of the following is a source of business idea he can use?
- Checking of risks
 - Studying the needs of people
 - Counting the cost of things
 - Making a plan
20. Which among the following is **NOT** a scanning device?
- Barcode reader
 - Optical readers
 - Light pen
 - Magnetic ink reader
21. Mr. Njoroje, a carpenter wants to cut a piece of wood. Which of the following tools is suitable for the carpenter to use?
- Tape measure
 - Steel rule
 - Hand saw
 - A pencil
22. The following are the security features of Kenyan currency that can be felt **EXCEPT:-**
- The word Kenya
 - The rising bars
 - The lions head watermark
 - The value of the note
23. Which among the following is **NOT** an example of an output device?
- Monitor
 - Headphones
 - Keyboard
 - Projector
24. The following are sustainable ways of using economic resources **EXCEPT:-**
- Re-cycling and re-using the resources
 - Investing in renewable energy sources
 - Cutting down trees without planting others
 - Safe guarding natural resources for benefit of present and future generations
25. The following are careers related to safety **EXCEPT:-**
- First aider
 - Ambulance driver
 - Carpenter
 - First aid trainer
26. A grade 8 learner was asked to give examples of technical drawing. Which among the following is **INCORRECT**?
- Graffiti
 - Structural drawing
 - Electrical drawing
 - Architectural drawing

27. Identify which of the following symbols is **NOT** used in drawing.



28. Grade 8 learners visited a chemical processing factory. What precautions should they take to prevent them from inhaling chemical particles?

- A. Wear safety gloves
- B. Use safety goggles
- C. Use ear protection
- D. Wear safety mask

29. Among the following materials which is an example of synthetic material?

- A. Rubber B. Soil C. Polythene D. Glass

30. The following are examples of first aid for smoke poisoning. Which one is **NOT**?

- A. Move the casualty to a safer place with fresh air if you can
- B. Sit the person or lay them down on their side not their back
- C. If the victim has breathing difficulties got emergency help to take him or her to hospital
- D. Keep the person warm and comfortable

SECTION B (70 Marks)

Answer all the questions in this section in the spaces provided.

31. State 5 online threats in a work place (5mks)

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____
- (v) _____

32. List five physical threats to a digital device. (5mks)

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____
- (v) _____

3. A grade 8 learner from Somo Junior School was told to define the following terms:-

(a) Data (2mks)

(b) Computer (2mks)

(c) Information (2mks)

34. Discuss any 5 characteristics of computer (5mks)

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____
- (v) _____


35. Give four importance of communication in a work environment. (4mks)

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____

36. List four examples of artistic drawing (4mks)

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____

37. Identify the following drawing lines and state how they are used.

(a) 

(b)  (2mks)

(c) _____ (2mks)

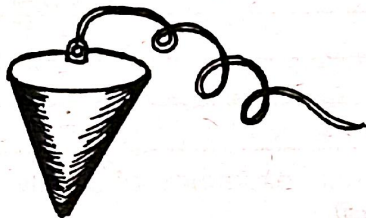
(2mks)

38. Differentiate between metallic and non-metallic materials. (4mks)

39. Alex was told to name 3 physical properties of ferrous metals during a pre-technical studies lesson. Give any of the properties (3mks)

40. Identify and state the use of the following measuring and marking tools. (5mks)

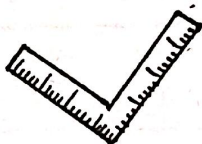
(a)



(b)



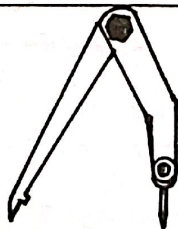
(c)



(d)



(e)



41. Give four importance of measure and marking tools. (4mks)

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____

42. Aisha a grade eight learner was told to give four reasons for setting financial goals. What was she likely to give? (4mks)

43. State the themes found in the following Kenyan currency notes (3mks)

- (a) 200-shilling note _____
- (b) 50-shilling note _____
- (c) 1000-shilling note _____

44. Define the following terms (3mks)

- (a) Entrepreneur _____
- (b) Entrepreneurship _____
- (c) Social entrepreneur _____

45. Name two ways of overcoming internet challenges. (2mks)

- (i) _____
- (ii) _____

46. Which are the ways that one can generate ideas for a business venture? (3mks)

47. Mr. Tembo wants to enhance business success in his community. What are the factors is he likely to consider? (4mks)
