DOYEN PUBLISHERS
KENYA JUNIOR SCHOOL EDUCATION ASSESSMENT
END TERM I 2025 JOINT EXAM
GRADE 7
PRE-TECHNICAL STUDIES

Time: 1 hour 30 mins

NAME: _____

SCHOOL: _____

STREAM: _____ DATE: _____

INSTRUCTIONS

a) Write your name, school, stream and date in the spaces provided above.
b) This paper consists of two sections: A and B
c) Section A comprises Multiple Choice Questions numbered 1 to 30.
d) Section B comprises short, structured questions numbered 31 to 34.
e) Answer ALL questions in section A in the table provided below
f) Answer ALL questions in section B in the spaces provided in the QUESTION PAPER.
g) Do NOT remove any page from this question paper. Answer ALL the questions in English

ANSWER SHEET – SECTION A

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.

21.	22.	23.	24.	25.	26.	27.	28.	29.	30.

FOR EXAMINER'S USE

	SCORES	TOTAL
A (Out of 30)		
B (Out of 40)		

This paper consists of 6 printed pages. Candidates should check the question paper to confirm that all pages are printed as indicated and that no questions are missing
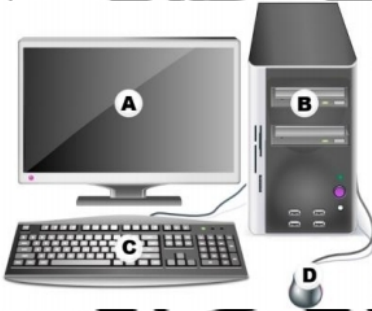
SECTION A (30 marks)

Answer ALL the questions in this section. Write your answers in the spaces provided on the first page.

1. Which component of Pre-technical Studies deals with the production, distribution and consumption of goods and services with the aim making a profit?
   A. Technical Studies
   B. Computer Science
   C. Business Studies
   D. Religious Studies

2. Which component of Pre-technical Studies focuses on practical skills and experience in technical fields?
   A. Technical Studies
   B. Computer Science
   C. Business Studies
   D. Religious Studies

3. Which component of Pre-technical Studies deals with study of computers and how computer technology can be used to solve problems?
   A. Technical Studies
   B. Computer Science
   C. Business Studies
   D. Religious Studies

4. Why is Pre-technical education important in daily life?
   A. It teaches programming languages only
   B. It focuses on digital devices
   C. It limits creativity and problem-solving skills
   D. It helps individuals understand basic technical concepts that influence daily activities

5. Which of the following is a key consideration when ensuring safety in your immediate environment?
   A. Always being aware of potential physical threats
   B. Ignoring environmental changes
   C. Only considering safety in the digital environment
   D. Focusing solely on internet security

6. The person below is most likely to be doing work related to _____

   A. Technical Studies
   B. Computer Science
   C. Business Studies
   D. Religious Studies

7. Which of these is an example of a physical threat in the immediate environment?
   A. Cyberbullying
   B. Electrical hazards
   C. Phishing attacks
   D. Malware infections

8. What should you do to avoid physical injuries in your immediate environment?
   A. Ignore safety warnings
   B. Use safety equipment such as helmets and gloves when necessary
   C. Rely on others for safety precautions
   D. Use equipment without understanding its function

9. Which of the following is an example of an online threat in the immediate environment?
   A. Tripping on loose wires
   B. Falling down stairs
   C. Receiving a suspicious email from an unknown source
   D. A power surge damaging electronics

10. The people below are most likely to be doing work related to _____

    A. Technical Studies
    B. Computer Science
    C. Business Studies
    D. Religious Studies

11. What is a common type of online threat?
    A. Physical injury
    B. Phishing and identity theft
    C. Flooding
    D. Poor lighting

12. What is the **best** practice to protect yourself from online threats in your immediate environment?
    A. Using strong and unique passwords for each account
    B. Keeping all personal information public
    C. Ignoring software updates
    D. Using the same password for every online account

13. Which action can improve online safety in your environment?
    A. Downloading random apps from untrusted sources
    B. Disabling antivirus software
    C. Avoiding clicking on suspicious links or attachments
    D. Sharing passwords openly with others

Study the diagram below and answer the questions that follow.

14. Identify the part labeled A
    A. CPU   C. Mouse
    B. Monitor   D. Keyboard

15. What is the function of the part labeled D?
    A. To store data
    B. To process information
    C. To provide input by controlling the cursor on the screen
    D. To manage network connections

16. The CPU is the part marked_____
    A. A   B. B   C. C   D. D

17. What is the function of the part marked C?
    A. To store data
    B. To control the cursor on the screen
    C. To display information on the screen
    D. To provide input by typing text and commands

18. Which of these poses a physical threat to digital devices?
    A. Installing antivirus software
    B. Dropping a device on a hard surface
    C. Using a strong password
    D. Using a VPN service

19. What is one effective way to mitigate physical threats to digital devices?
    A. Ignoring device maintenance
    B. Allowing devices to overheat
    C. Storing the device in a secure, padded case
    D. Leaving devices in high-risk areas

20. What is the primary method to protect personal sensitive data online?
    A. Use public Wi-Fi for transactions
    B. Regularly updating passwords and enabling two-factor authentication
    C. Sharing passwords with friends
    D. Keeping all files unencrypted

21. Name the type of computer shown below.

    A. Game console
    B. Mainframe computer
    C. Server
    D. Desktop

22. What should you do before using any electronic device in your environment?
    A. Ignore user manuals and start using the device immediately
    B. Check for any visible damage and ensure all safety measures are in place
    C. Leave the device unplugged and unused
    D. Keep the device in a location where it is not visible

23. Which of the following is NOT considered a computer concept?
    A. Storage   C. Wi-Fi signal
    B. CPU   D. Input/output devices

24. Which of the following is NOT a common type of computer used today?
    A. Personal computers   C. Smartphones
    B. Supercomputers   D. Typewriters

25. The person below is most likely to be doing work related to _____

    A. Technical Studies
    B. Computer Science
    C. Business Studies
    D. Religious Studies

26. Which device is a commonly used example of a personal computer?
    A. Tablet
    B. Mainframe
    C. Desktop
    D. Supercomputer

27. A computer's ability to solve complex problems quickly is known as:
    A. Memory capacity
    B. Processing power
    C. Storage size
    D. Connectivity speed

28. How are computers typically classified?
    A. By the number of tasks they can perform
    B. By their physical appearance
    C. By size, functionality and purpose
    D. By their storage capacity

29. A computer used to control traffic signals is an example of:
    A. A personal computer
    B. A supercomputer
    C. An embedded computer
    D. A mainframe computer

30. Where are computers commonly used today?
    A. Only in schools
    B. Only for entertainment purposes
    C. In almost all sectors including healthcare, business and education
    D. Only in laboratories

SECTION B (40 Marks)

Answer all questions in this section in the spaces provided after each question.

31. Pre-technical Studies is made up of integrated learning areas.
    a) State **three** importance of Pre-technical Studies in our day-to-day life. (3 marks)

_____
_____
_____
_____
_____

    b) Business studies is one of the components in Pre-technical Studies. Mention **three** things that we learn under Business Studies. (3 marks)

_____
_____
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_____
_____

    c) Name **four** careers related to the study of Pre-technical Studies. (4 marks)

_____
_____

_____
_____
_____
_____
_____

32. We should ensure that we are safe in our immediate environment.

a) Identify **three** physical threats in our i_____nt (3 marks)

_____
_____
_____
_____
_____

b) State **tw**o ____ssible ca____ses of____ ha____rds. (2 marks)

_____
_____
_____
_____

c) List ____re_____s that ____ ____ay ____ncounter while usin____ ____he ____t____net. (3 marks)

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_____
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_____

d) How can we ____tect pers____ ____d sc_____ta onli____ ____ (2 marks)

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_____
_____

33. Grade 7 learners at Bidii Junior School found out that computers are used almost everywhere in the world.

a) Outline **two** functions of a computer. (2 marks)

_____
_____
_____
_____

b) Name **three** examples of data stored that can be stored in a computer. (3 marks)

c) Explain the following characteristics of computers: (4 marks)

   i) Accuracy

   ii) Shipping

d) What is AI in full? (1 mark)

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