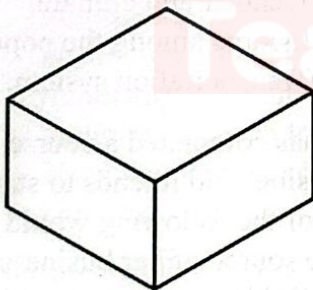


SECTION A (30 marks)

Answer **all** the questions in this section on the answer sheet provided.

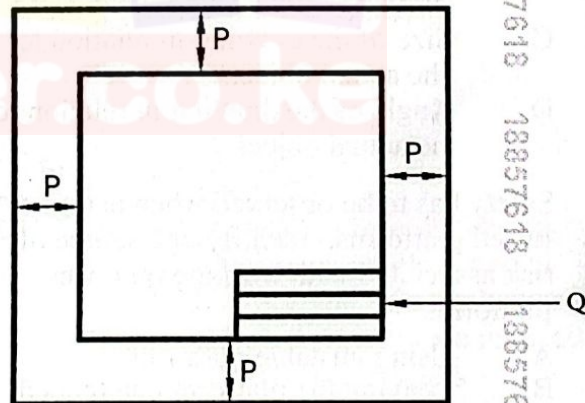
1. A person who repairs motor vehicles is known as a
 - A. repairer
 - B. mechanic
 - C. engineer
 - D. designer.
2. Learners should observe safety measures in a learning environment in order to
 - A. avoid occurrence of accidents
 - B. improve their understanding
 - C. maintain clean workshop areas
 - D. keep the learners healthy.
3. Drawings as means of communication are categorised into different types. Identify the type of drawing shown.



- A. Artistic
 - B. Technical
 - C. Freehand sketch
 - D. Rectangular block
4. Halima collected a certain material to use in improvising a basin. Which of the following materials did she collect?
 - A. Plastic
 - B. Rubber
 - C. Timber
 - D. Leather

5. A learner wants to measure the external diameter of a pipe. Which of the following tools is the **most** appropriate to use?
 - A. Tape measure
 - B. Steel tape
 - C. Vernier calliper
 - D. Ruler
6. A pile of firewood caught fire in the school kitchen. A cook tried to put out the fire by removing the pieces of burning firewood from the fire. Identify the method of extinguishing fire which the cook used.
 - A. Cooling
 - B. Smothering
 - C. Starving
 - D. Interrupting

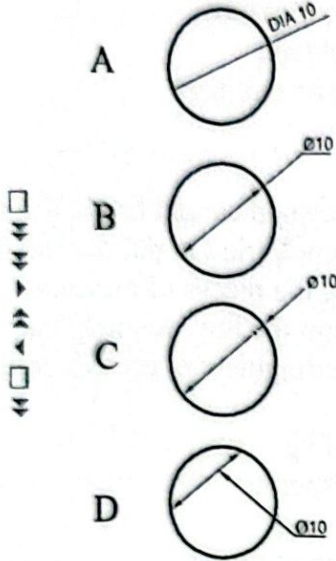
A teacher was showing learners how to layout their technical drawing papers as illustrated in the following drawing. Use the drawing to answer question 7 and 8.



7. The distance marked P all round is known as
 - A. draft
 - B. drift
 - C. outline
 - D. margin.
8. The area marked Q is the
 - A. title margin
 - B. title block
 - C. title layout
 - D. name block.



9. A learner drew a circle of diameter 10 mm. Which of the following is the correct method for dimensioning the circle?



10. Scales are important aspects of technical drawing. Which of the following statements describes what a scale is?
- Type of the required drawing.
 - Ratio of the dimensions of a drawing.
 - Size of the drawing in relation to the actual object.
 - Angle of the drawing in relation to the actual object.
11. Safety has to be observed when using raised platforms. Identify one source of risk associated with working on raised platforms.
- Using unstable platform.
 - Leaving the platform unattended.
 - Using a new platform.
 - Taking long to complete tasks.
12. Which of the following correctly describes an oblique drawing?
- All lines of the object are at 30° angle.
 - Lines on one side lie on the horizontal axis resting at 30° angle.
 - Lines on the front face lie on the horizontal axis and rest at 45° angle.
 - Lines on the side are at 45° angle and the rest at 30° angle.

13. Teacher Sadia provided learners with a vice to carry out a certain task. The learners must have used the vice to
- stop the work-piece from cracking.
 - ensure the work-piece is held firmly.
 - hold the work-piece after working on it.
 - prevent the work-piece from splitting.
14. A learner noticed that a desk was fastened with a bolt and a nut. Which appropriate tool was used to tighten the nut?
- Pliers
 - Spanner
 - Pincers
 - Screw driver
15. Kwame mobile phone retailers are strategically located in town. Which of the following factors **least** affected the selection of its location?
- Competition in town.
 - Weather and climate.
 - Income among the population.
 - Transportation system.
16. Jackie has completed a course in hairdressing and intends to start a salon. Which of the following would be a **suitable** source of her business ideas?
- Hobbies and personal interest.
 - Real estate magazines.
 - Agricultural magazines.
 - Population census report.
17. It is important for a school to make a budget. Which of the following should the headteacher **not** do while making a budget?
- Involve stakeholders during budget preparation process.
 - Monitor the budget preparation process.
 - Consider past expenditure items.
 - Ensure the budget deficits are missed out.

18. Fatuma has harvested maize and is searching for market for the maize. From the following set of factors, select the one that **most** influences her choice of the market.



- A. Market size, competition and customer preference.
- B. Customer preference, competition and hobbies.
- C. Salaries, market size and customer preference.
- D. Interests, political stability and market size.

19. Which of the following is **not** an example of an intermediary in the distribution of goods and services?

- A. Wholesaler
- B. Producer
- C. Broker
- D. Agent

20. Paul, a Grade 8 learner, is a talented singer who always entertains guests. The school can nurture his talent by

- A. emphasizing on good grades
- B. encouraging Paul to vie for a leadership position
- C. assigning a coach to train Paul
- D. involving Paul in academic contests.

21. The following table shows classification of financial institutions in Kenya. Select the one that is **correctly** classified.

	Institution	Type of financial institution
A	Kenya Commercial Bank	Non-banking
B	Agricultural Finance Corporation	Non-banking
C	Kenya Planters Cooperative Union	Banking
D	Kenya Re-Insurance Cooperation	Banking

22. A school was supplied with loaves of bread by ABC bakery and noticed that some had expired. The government can regulate such businesses by

- A. charging the business more taxes
- B. removing the business licence levies
- C. allowing businesses to regulate themselves
- D. ensuring that standards of goods are maintained.

23. Jane typed an assignment in her computer and then transferred it to the teacher's laptop. From the following, select the type of device she used to transfer the assignment.

- A. Fixed storage device.
- B. Main storage device.
- C. Removable storage device.
- D. Primary storage device.

24. A learner sent a project report to the teacher through an email. The email feature that enabled the learner to send the report is called

- A. insert link
- B. attach files
- C. forward files
- D. send files.

25. A teacher asked learners to discuss types of computers that are integrated in machines and household appliances. These type of computers are referred to as

- A. dedicated computers
- B. embedded computers
- C. general purpose computers
- D. special purpose computers.

26. A company is planning to dispose digital devices they no longer use. The following are appropriate ways they can use to dispose them off **except**

- A. reducing
- B. recycling
- C. donating
- D. dumping.

27. A shopkeeper wants to protect data stored in a mobile phone against unauthorised access. Which of the following is the **most** appropriate way of protecting the data?
- Installing antivirus software.
 - Switching off the mobile phone.
 - Using a strong password.
 - Keeping it away from people.
28. Grade 9 learners prepared the following table on functions of computer software. Identify the type of computer software that is **correctly** matched with its function.

	Type of software	Function
A	Word processor	Analysing assessment scores
B	Presentation	Preparing slides for use in class
C	Spreadsheet	Typing school reports
D	System	Sending email messages to teachers and parents

29. Grade 9 learners identified the following hazardous substances in a computer user environment.
- Foam cleaner
 - Bleach
 - Cleaning detergents
 - Methylated spirit
- Which **two** are flammable substances?
- (i) and (iv)
 - (ii) and (iii)
 - (iii) and (iv)
 - (i) and (iii)

30. Which of the following statements describes the function of the 'Looks' coding blocks in visual programming? It
- changes the background colour of the coding area.
 - plays sound when the program is run.
 - changes the appearance of the sprite.
 - controls the movement of the sprite.

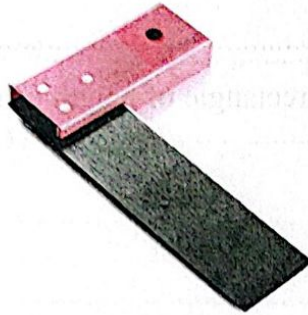


SECTION B (50 marks)

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



31. The following drawing shows a try square drawn in isometric projection.



Sketch the try square in oblique projection.

(3 marks)



32. (a) A timber yard stores both softwood and hardwood for sale. Name **two** types of hardwood that are likely to be found in the yard. (2 marks)

- (b) Logs of wood are converted into timber using various methods. Name **two** methods that can be used. (2 marks)

33. A teacher used seasoned timber to make a table. Name **two** methods that could have been used to season the timber. (2 marks)

34. Fire outbreaks may lead to damage of property or injury. Give **two** ways of preventing fire outbreaks in a learning environment. (2 marks)



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35. Using geometrical instruments, construct a rectangle of length 6 cm and a width of 4 cm. (2 marks)



36. Learners visited a building to observe the use of ceramic materials. Name **two** areas in the building where ceramic materials may have been used. (2 marks)

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37. Grade 7 learners visited a work environment to learn more about safety. List **three** hazards to personal safety that the learners learnt. (3 marks)

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38. Draw the following types of lines to a length of 6 cm.

(a) Break line (1 mark)

(b) Centre line (1 mark)

39. Grade 9 learners walked around the school compound to identify items made of metallic materials.



(a) Name **four** items the learners may have identified. (2 marks)

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(b) Name **two** types of metals that may have been used to make the items in (a). (2 marks)

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40. The government of Kenya is emphasising the use of e-citizen platform by businesses. State **three** benefits of this platform to businesses. (3 marks)



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41. Ahmed wants to travel to another country to market his company's products. State **two** services that commercial banks may offer him during the trip. (2 marks)

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42. Juma intends to set up a business of supplying eggs in his community. Give **two** reasons why he needs a business plan. (2 marks)

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43. As a treasurer of Biashara Club in your school, you are provided with the following balances as at 30th August, 2024.

	Ksh.
Cash in hand	15,000
Cash at bank	10,000
Capital	20,000
Loans	5,000
Stock	2,000
Creditors	2,000



Prepare the statement of financial position for Biashara Club as at 30th August, 2024.

(3 marks)

Teacher.co.ke



44. A learner was given Ksh 800 as pocket money for use during the term. State **two** factors the learner should consider in setting financial goals for that term. (2 marks)

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45. Tom made the following artefact from electronic waste materials.



Which method of waste disposal did Tom use? (1 mark)

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46. Grade 8 learners visited a computer user environment to assist in setting up newly purchased computers.

(a) Name **two** safety precautions the learners should adhere to when performing the task. (2 marks)

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(b) Learners performed various tasks using computers. State the characteristic that describes computers' ability to carry out various tasks? (1 mark)

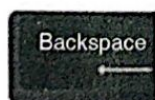
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47. The following are keys found on a computer keyboard.



P



Q

(a) State the function of the keys.

P (1 mark)

Q (1 mark)

(b) Name the device used to output sound from a computer.

(1 mark)

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48. A group of Grade 9 learners were given a task which involved the use of corrosive substances. Name **two** personal protective equipment they may have used when handling the substances.

(2 marks)

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49. The following paragraph was typed in a word processing application.

Self-esteem refers to how we value and perceive ourselves based on our opinions and belief in ourselves. Your self-esteem can determine whether you value yourself as a person and your strengths. There are several things in life that may contribute to low self-esteem.

For example:

- *being bullied or abused*
- *discrimination*
- *worries about appearance and body image*

People with high self-esteem generally feel positive about themselves and about life.

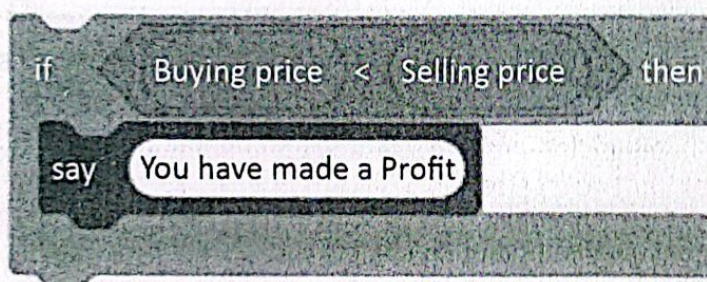
Identify **three** formatting features applied to the paragraph.

(3 marks)

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50. The following instructions were created using a visual/programming application.



(a) Identify **one** variable used in the instructions.

(1 mark)

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(b) State the selection statement used in creating the instructions.

(1 mark)

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Kenya Junior School Education Assessment, 2025

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