

KENYA CERTIFICATE OF BASIC EDUCATION (K.C.B.E)

GRADE 10

BUILDING CONSTRUCTION (Theory)

TERM 1

JANUARY 2026

Time: 1 Hour 50 Minutes



COMPETENCE ASSESSMENT EXAMINATION CKEAB 001

LEARNER'S DETAILS

Name: _____

School: _____

Assessment Number: _____ Date: _____

School Code: _____ Signature: _____

INSTRUCTIONS TO LEARNERS

1. Write your name, assessment number, class and date on all the answer sheets provided.
2. Answer all the questions in the spaces provided.
3. Use a blue or black pen for writing. Pencils should be used only for drawings and diagrams.

SCORE GRID

Performance Levels Grid

Question Number	Maximum Marks	Learner's Score	Examiner's Initials
1	6		
2	4		
3	4		
4	4		
5	4		
6	4		
7	4		
8	4		
SECTION A TOTAL	40		
9	10		
10	9		
11	16		
12	14		
13	10		
14	10		
SECTION B TOTAL	60		
GRAND TOTAL	100		

Level	Level	% Range	Points	Learner's score
Exceeding (EE)	EE1	90-100%	8	
	EE2	75-89%	7	
Meeting (ME)	ME1	58-74%	6	
	ME2	41-57%	5	
Approaching (AE)	AE1	31-40%	4	
	AE2	21-30%	3	
Below (BE)	BE1	11-20%	2	
	BE2	1-10%	1	

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Turn over

-BUILDING TECHNOLOGY-

-001-

-Senior School-

SECTION A: (60 Marks)

Answer all questions in this section.

1. A family living in rural Kericho plans to move to town and build a permanent house.

(a) Define the term building as used in construction. (2 marks)

(b) State two functions of a building to a family. (2 marks)

- i. _____
- ii. _____

(c) Give two reasons why the family prefers a permanent house over a temporary one. (2 marks)

- i. _____
- ii. _____

2. During a history lesson, learners observed pictures of early human building.

(a) Name the earliest type of human shelter. (1 mark)

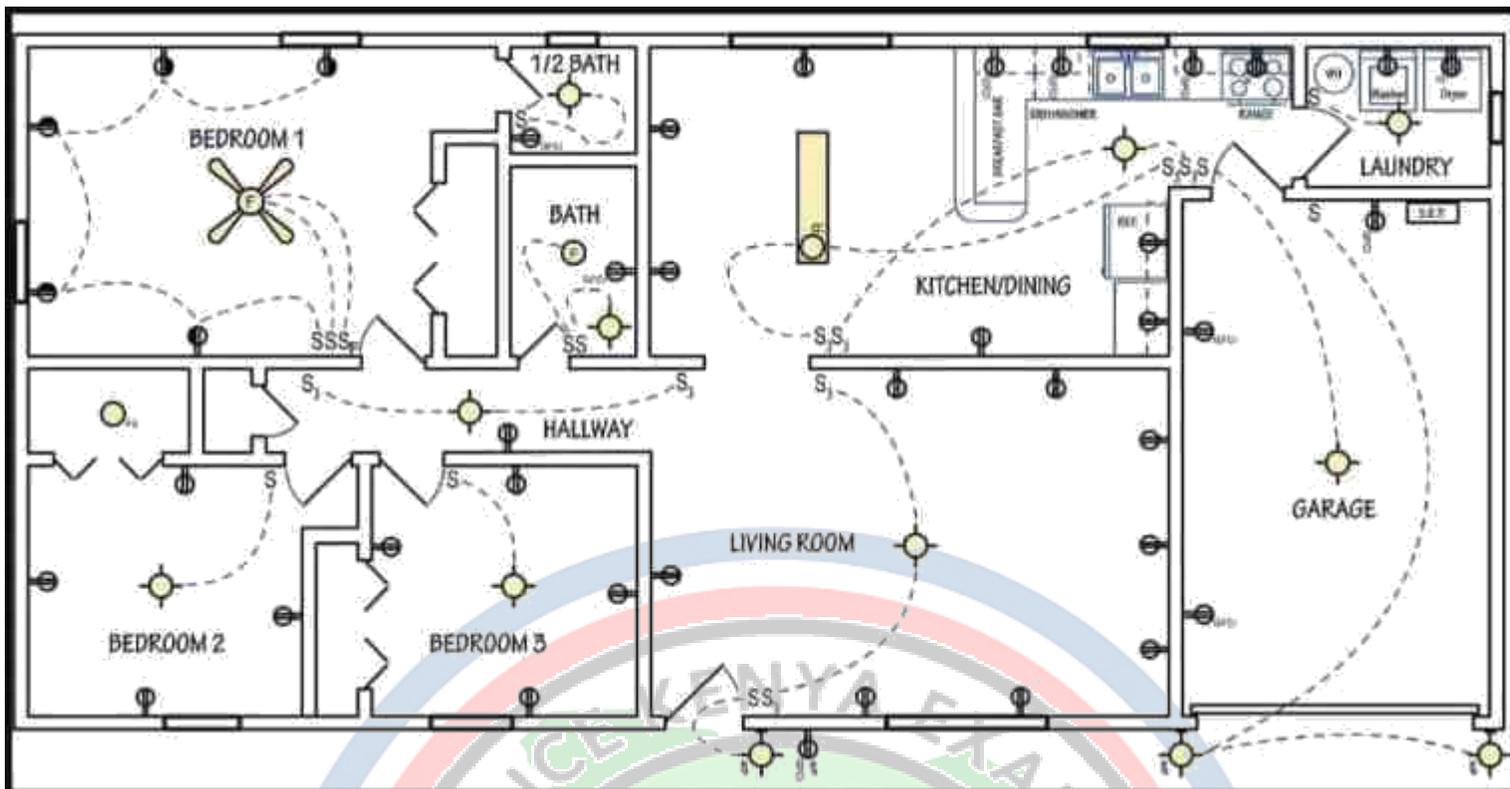
(b) Explain one reason early humans used this shelter. (1 mark)

(c) Describe two ways buildings have changed from early shelters to modern structures. (2 marks)

- i. _____
- ii. _____



3. The sketch below represents a simple building structure.



Identify any four components shown in the sketch. (4 marks)

- i. _____
- ii. _____
- iii. _____
- iv. _____



4. A school is planning to build a new library.

(a) Identify the category of building a library falls under. (1 mark)

(b) State two reasons why this category is important in the community. (2 marks)

- i. _____
- ii. _____

(c) Give one example of another building in the same category. (1 mark)



5. A contractor wants to select a site for a new residential house.

(a) State two factors to consider when selecting a site. (2 marks)

- i. _____
- ii. _____

(b) Name two natural features that should be avoided during site selection. (2 marks)

- i. _____
- ii. _____

6. A group of learners visited a construction site and noticed workers wearing safety gear.

(a) State two safety measures that should be observed during site preparation. (2 marks)

- i. _____
- ii. _____

(b) Identify two safety gears appropriate for this stage. (2 marks)

- i. _____
- ii. _____



7. A class project requires learners to clear and level a small portion of land.

(a) List four hand tools suitable for site clearing. (2 marks)

- i. _____
- ii. _____
- iii. _____
- iv. _____

(b) Name two methods used to level a construction site. (2 marks)

- i. _____
- ii. _____



8. During site preparation, workers removed the top layer of soil.

(a) Name this process. (1 mark)

(b) State one reason why this process is important. (1 mark)

(c) Mention two tools used in the process. (2 marks)

- i.

- ii.

SECTION B: (60 marks)

Answer all questions in the spaces provided below

9. A company plans to set up a new commercial building in Nakuru town.

(a) Define a commercial building. (2 marks)

(b) State two examples of commercial buildings. (2 marks)

- i.

- ii.

(c) Explain three reasons why commercial buildings are important in urban areas. (6 marks)

- i.

- ii.

- iii.



10. A group of Grade 10 learners designed a simple drawing showing a floor, walls, roof, door and window.

(a) Sketch a simple building showing floor, wall, roof, door and window. (*Teacher to award for correct components*) (4 marks)

(b) State the function of each of the following parts:

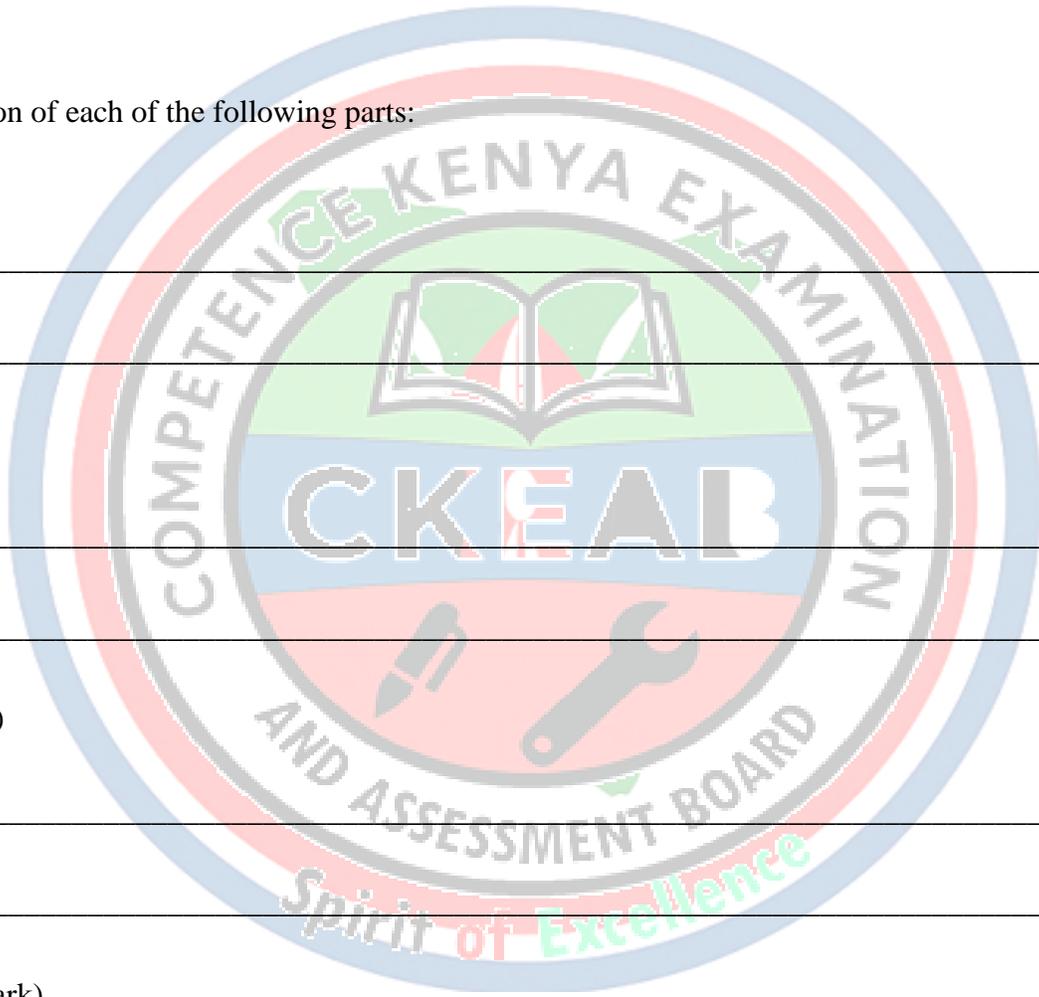
(i) Roof (1 mark)

(ii) Wall (1 mark)

(iii) Floor (1 mark)

(iv) Window (1 mark)

(v) Door (1 mark)



11. Musa wants to construct a small rental house on his piece of land.

(a) Explain three reasons why proper site preparation is important. (6 marks)

- i. _____
- ii. _____
- iii. _____

(b) Discuss three factors he must consider when choosing the site. (6 marks)

- i. _____
- ii. _____
- iii. _____

(c) Describe two dangers that may occur if site preparation is not done well. (4 marks)

- i. _____
- ii. _____

12. A building contractor has instructed workers to clear bushes, remove stones, and level the land before construction.

(a) Name four tools suitable for clearing bushes and stones. (4 marks)

- i. _____
- ii. _____
- iii. _____
- iv. _____

(b) Describe the cut method of site levelling. (3 marks)

(c) Describe the fill method of site levelling. (3 marks)



(d) Explain the cut and fill method and give one advantage of using it. (4 marks)

13. Your school plans to build a new social hall.

(a) Identify the type of building a social hall is. (1 mark)



(b) Explain three functions of social buildings in a community. (6 marks)

- i.

- ii.

- iii.

(c) State three safety precautions to observe during site preparation for the hall. (3 marks)

- i.

- ii.

- iii.

14. A community group wants to construct recreation facilities in a village.

(a) Name four types of recreational buildings. (4 marks)



- ii. _____
- iii. _____
- iv. _____

(b) Explain three ways recreational buildings benefit the society. (6 marks)

- i. _____
- ii. _____
- iii. _____



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