

KENYAPLEX EXAMS

KENYA CERTIFICATE OF BASIC EDUCATION

SENIOR SCHOOL ASSESSMENT

TERM 2: ENDTERM ASSESSMENT 2026

GRADE 10 – BUILDING CONSTRUCTION 006 JULY

Time: 2 Hours

LEARNER'S DETAILS

Name: _____ . School: _____ .

Assessment Number: _____ . Date: _____ .

School Code: _____ . Signature: _____ .

INSTRUCTIONS TO CANDIDATES

1. Write your name in the spaces provided above.
2. Write the name of your school and your stream in the spaces provided.
3. Write your admission number and the date of the assessment in the spaces provided.
4. This paper consists of two sections: A and B.
5. Answer all questions in section A and section B.
6. Answer the questions in English.
7. All answers MUST be written in the spaces provided in the paper.
8. Do NOT remove any page from this question paper.

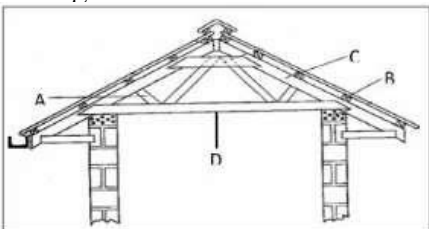
EXAMINER'S USE

SECTION	SECTION A	SECTION B	% SCORE	EE1	EE2	ME1	ME2	AE1	AE2	BE1	BE2
SCORE RANGE	30 MARKS	50 MARKS		90-100	75-89	58-74	41-57	31-40	21-30	11-20	1-10
POINTS				8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1. A learner from **Meru County** observes different buildings in their area. The diagram below represents roof of a building she saw.



Identify the parts labeled A, B, C, D. (4 marks)

A: _____ B: _____

C: _____ D: _____

b. Sketch a simple building and label the following parts: (6 marks)

- i. Floor ii. Wall iii. Roof iv. Door v. Window

c. State two functions of walls in a building. (2 marks)

- i. _____
ii. _____

d. Explain why roofs are important in buildings. (2 marks)

- i. _____
ii. _____

2. During site preparation in Kisumu, learners used the following tools:



A



B



C

a) Name the tools shown above: (3 marks)

[A] _____ [B] _____ [C] _____

b) Match each tool to its correct use: (3 marks)

Clearing vegetation [C]

Carrying soil [A]

Digging trenches [B]

3. A group in Mombasa is mixing concrete as shown.

Cement + Sand + Gravel + Water

a) State TWO functions of water in concrete. (2 marks)

i. _____

ii. _____

b) Define “concrete”. (1 mark)

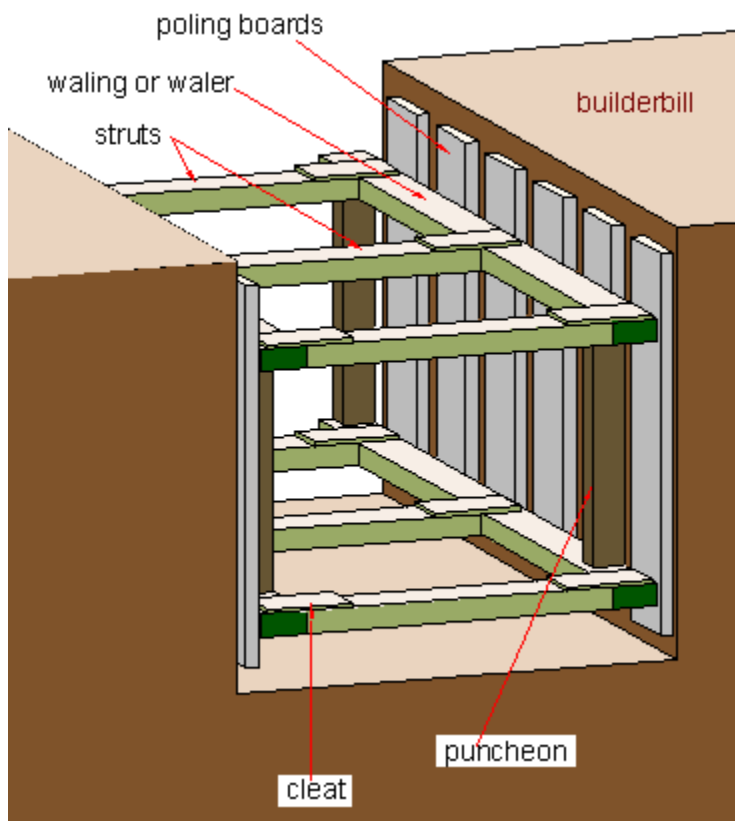
4. Grade 10 learners constructed various foundations

a) Sketch and label a raft foundation. (5 marks)

b) State TWO reasons for constructing foundations. (2 marks)

- i. _____
- ii. _____

5. Study the illustration below and answer the question that follow



a) Identify the process illustrated. (1 mark)

b) State TWO types of soil where this method is used. (2 marks)

- i. _____
- ii. _____

6. Grade 10 learners used the following tools during a building and construction lesson.



[A]



[B]



[C]

a) Name the tools shown. (3 marks)

A: _____ B: _____ C: _____

b) State the function of each tool. (3 marks)

Tool	Use
A	
B	
C	

7. Learners in Nairobi compared properties of different materials:

a) State ONE property of each material. (2 marks)

Material	Property
PVC	
Copper	

b) State ONE use of PVC pipes. (1 mark)

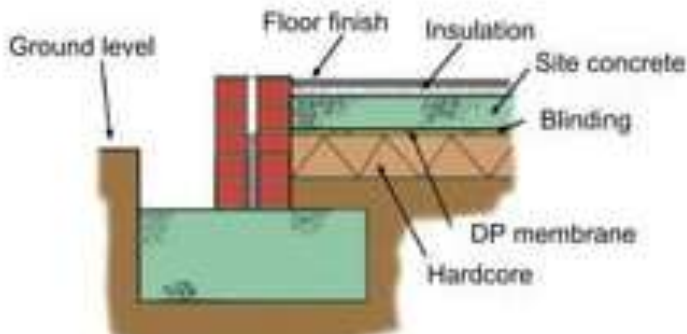
Material	use
PVC	

8. Jame was joining pipes during a building construction lesson.

a) List THREE steps followed when joining pipes. (3 marks)

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

9. Study the type of floor shown below and use it to answer question 9



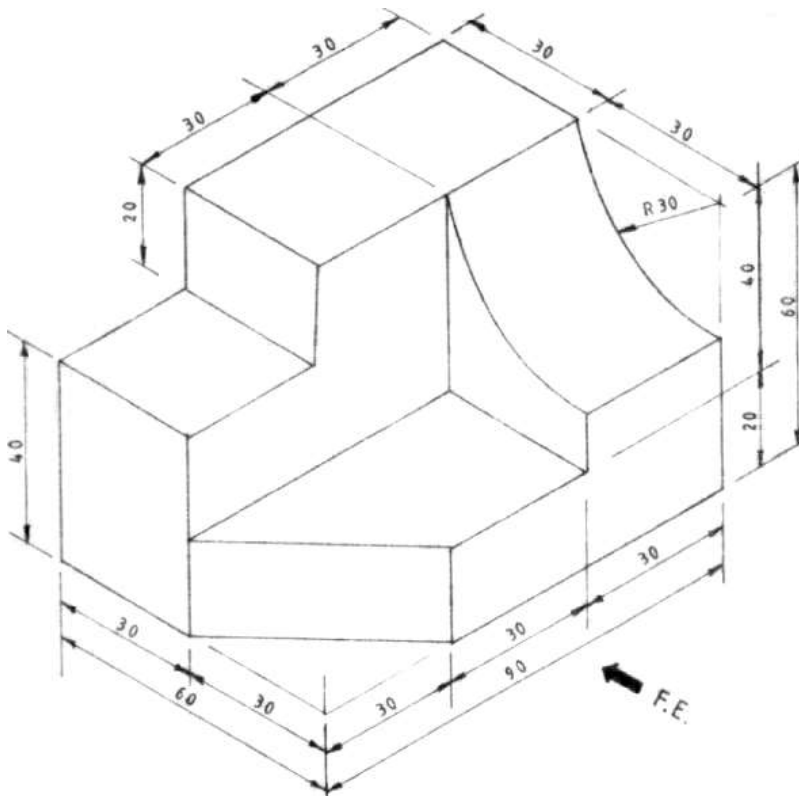
a) Name the type of floor shown. _____(1 mark)

b) State TWO functions of the damp proof membrane. (2 marks)

- i. _____
- ii. _____

Answer question 10 on the A3 paper provided and any other three questions from this section in the space provided. Learners are advised to spend not more than 15 minutes on question 10.

10. Figure 4 shows a pictorial drawing of a shaped block.



To a scale of 1:1, draw three orthographic views of the block in 3rd angle projection. Insert six dimensions. (10 marks)

b) State TWO advantages of CAD in building drawing. (2 marks)

- i. _____
- ii. _____

SECTION B (50 MARKS)

11. Four learners from different towns gave description of building activities:

Amina (Nairobi): “We removed vegetation and leveled the site.”

Brian (Eldoret): “We dug trenches and added concrete.”

Carol (Nyeri): “We built walls using bricks.”

David (Mombasa): “We installed pipes in the building.”

a) Identify the construction stage described by each learner. (4 marks)

Learner	Stage described
Amina	
Brian	
Carol	
David	

b) Outline TWO activities in site preparation. (2 marks)

i. _____

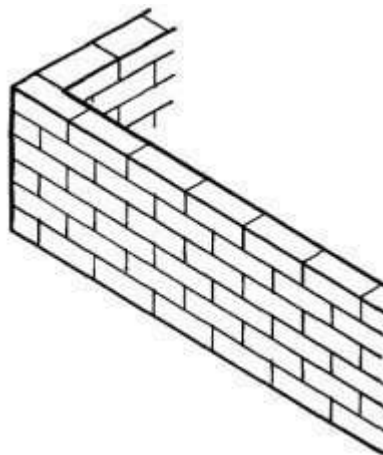
ii. _____

c) Explain TWO safety measures during trench excavation. (4 marks)

i. _____

ii. _____

12. Grade 10 learners made a certain Brick arrangement pattern as shown below



a) Identify the bond shown. (1 mark)

b) Distinguish between stretcher bond and header bond. (4 marks)

c) State TWO tools used in masonry work. (2 marks)

- i. _____
- ii. _____

13. A contractor in Kisii is constructing a house.

a) Outline SIX steps of concrete production. (6 marks)

- i. _____
- ii. _____
- iii. _____
- iv. _____
- v. _____
- vi. _____

b) Explain TWO factors affecting concrete strength. (4 marks)

- i. _____
- ii. _____

14. Wangari was using a certain tool to bend a Pipe as shown below



a) Identify the tool shown. (1 mark)

b) Describe the procedure of bending a pipe. (5 marks)

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

iv. _____

c) State FOUR safety precautions during pipework. (4 marks)

i. _____

ii. _____

iii. _____

iv. _____

15. State TWO advantages of using plastic pipes (2 marks)

i. _____

ii. _____

16. state the appropriate protective wear for each of the following parts of the body: (2 marks)

i. Head: _____

ii. Feet: _____

iii. Eyes: _____

iv. Hands: _____

17. List two methods of storing masonry tools. (1 mark)

i. _____

ii. _____

18. Complete the following abbreviations as used in building. (2 marks)

a) HC- _____

b) DPM- _____

c) RC- _____

d) GCI- _____

19. List four welfare services provided on a building site. (2 marks)

i. _____

ii. _____