

**THE KENYA NATIONAL EXAMINATIONS COUNCIL**  
**KENYA PRIMARY SCHOOL EDUCATION ASSESSMENT (KPSEA)**

**604**

**INTEGRATED SCIENCE**  
**KPSEA 2026 PREDICTION EXAMINATION**

Oct. 2026 — 1 hour 40 minutes

**NOTE:** This is an original, unofficial prediction paper produced for revision purposes by comparing patterns across KPSEA Integrated Science papers (2022–2025). It is NOT a genuine KNEC examination and is not affiliated with or endorsed by the Kenya National Examinations Council.

**INSTRUCTIONS TO CANDIDATES**

*(Please read these instructions carefully)*

1. You have been given this question paper and a separate answer sheet. The question paper contains 50 questions. Answer ALL the questions.
2. Do any necessary rough work in this question paper.
3. When you have chosen your answer, mark it on the ANSWER SHEET, NOT in this question paper.

**HOW TO USE THE ANSWER SHEET**

4. Keep the answer sheet clean and do not fold it.
5. Use an ordinary (HB) pencil.
6. Confirm that the answer sheet that you have been provided with has the following: YOUR ASSESSMENT NUMBER, YOUR NAME, NAME OF YOUR SCHOOL, NAME OF SUBJECT.
7. For each of the questions 1–50, four choices are given. The choices are lettered A, B, C and D. In each case, only ONE of the four choices is correct. Choose the correct answer.
8. On the answer sheet, show the correct answer by completely shading the circle which has the letter you have chosen.
9. Do not make any marks outside the circles. Be sure of your answer before shading the circle.

**Example**

In the Question paper:

24. A Grade 6 learner rolled a ball on the floor during a lesson on effects of force. Which one of the following effects of force was the learner demonstrating? Force can

A. change the size of a body    B. stop a moving body    C. change the direction of a moving body    D. move an object

The correct answer is D.

On the answer sheet, in the set of circles numbered 24, shade the circle with the letter D printed in it.

10. Your shading MUST be inside the circle.

11. For each question, shade ONLY ONE circle.

This question paper consists of 8 printed pages.

*Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.*

© 2026 — Original prediction paper for revision purposes only.

1. During a nature walk, a learner gently touched the leaves of a sensitive (mimosa) plant and observed that the leaves folded almost immediately. This behaviour shows that living things

- A. grow
- B. respond to stimuli
- C. reproduce
- D. excrete waste

2. Grade 6 learners grouped types of fungi with their uses as shown in the table below.

| Fungus      | Use                |
|-------------|--------------------|
| Yeast       | Fermentation       |
| Penicillium | Making bread rise  |
| Mushroom    | Food               |
| Rhizopus    | Source of medicine |

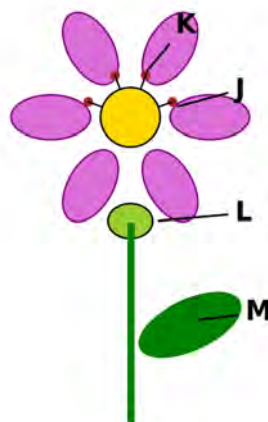
Which fungus was correctly matched to its use?

- A. Yeast
- B. Penicillium
- C. Mushroom
- D. Rhizopus

3. During an outdoor lesson, learners observed an invertebrate with the following features: (i) two body parts (ii) four pairs of legs (iii) no antennae (iv) no wings Which one of the following invertebrates matches the description?

- A. Spider
- B. Grasshopper
- C. Cockroach
- D. Millipede

The diagram below shows parts of a flower labelled J, K, L and M.



4. Which part labelled in the diagram produces pollen grains?

- A. J
- B. K
- C. L

D. M

5. (Refer to the diagram above.) Which part labelled in the diagram mainly attracts insects for pollination?

- A. J
- B. K
- C. L
- D. M

6. Learners listed the following functions of parts of the human skeleton: (i) protection of the brain (ii) movement of the body (iii) manufacture of blood cells (iv) support of body weight Which two functions are mainly performed by the limb bones?

- A. (i) and (ii)
- B. (ii) and (iv)
- C. (i) and (iii)
- D. (iii) and (iv)

7. The following are characteristics of a certain group of vertebrates: (i) lay eggs in water (ii) skin is smooth and moist (iii) young ones breathe using gills (iv) adults breathe using both lungs and skin Which group of vertebrates has all the above characteristics?

- A. Fish
- B. Reptiles
- C. Amphibians
- D. Birds

8. A learner developed high fever, chills, headache and joint pain a few days after being bitten by mosquitoes near a stagnant pond. The learner was most likely suffering from

- A. typhoid
- B. malaria
- C. cholera
- D. bilharzia

9. During a class discussion, learners listed the following causes of air pollution: (i) smoke from vehicle exhausts (ii) burning of plastic waste (iii) dust from ploughed fields (iv) smoke from cigarettes Which two causes can best be controlled through proper waste disposal?

- A. (i) and (iii)
- B. (ii) and (iv)
- C. (i) and (iv)
- D. (ii) and (iii)

10. A family uses the water that remains after rinsing vegetables to water plants in the kitchen garden. This is an example of conserving water by

- A. reducing only
- B. recycling only
- C. reusing only
- D. reducing and recycling

11. Learners collected worn-out motor vehicle tyres and used them to make flower pots for the school garden. This is an example of managing solid waste through

- A. reducing
- B. reusing
- C. recycling
- D. composting

12. A learner used a code in which each letter of the alphabet is replaced by the letter that comes immediately after it in the alphabet (for example, A becomes B). Using this code, how would the word 'CAT' be written?

- A. DBU
- B. BZS
- C. DCU
- D. DBT

13. A learner complained of pain in the lower abdomen and passed urine containing blood, a few weeks after swimming in a stagnant pond. The learner was most likely suffering from

- A. typhoid
- B. cholera
- C. bilharzia
- D. dysentery

14. A learner classified substances into two groups as shown in the table below.

| Acids       | Bases         |
|-------------|---------------|
| Lemon juice | Soap solution |
| Vinegar     | Ash solution  |
| Milk        | Baking soda   |

Which substance was wrongly classified?

- A. Lemon juice
- B. Soap solution
- C. Milk
- D. Ash solution

15. Water droplets were observed forming on the outside of a cold glass of water left standing in a warm room. This shows that water vapour in the air had undergone

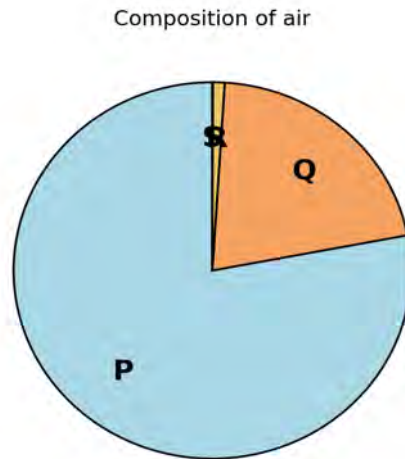
- A. evaporation
- B. condensation
- C. freezing
- D. melting

16. During a class discussion, learners listed the following sources of sound: (i) a whistle blown at close range (ii) a radio playing softly (iii) a jet engine at take-off (iv) a person whispering Which two sources are most likely to harm the ears?

- A. (i) and (iii)
- B. (ii) and (iv)
- C. (i) and (iv)

D. (ii) and (iii)

The pie chart below shows the composition of air by volume, with the gases labelled P, Q, R and S.



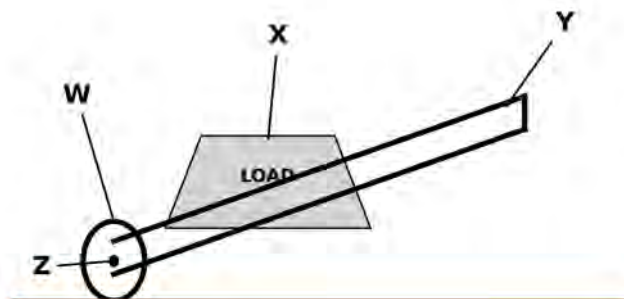
17. Which letter represents the gas that supports burning?

- A. P
- B. Q
- C. R
- D. S

18. (Refer to the pie chart above.) Which letter represents the group of gases referred to as inert (noble) gases?

- A. P
- B. Q
- C. R
- D. S

The diagram below shows a wheelbarrow used to move a load, with parts labelled W, X, Y and Z.



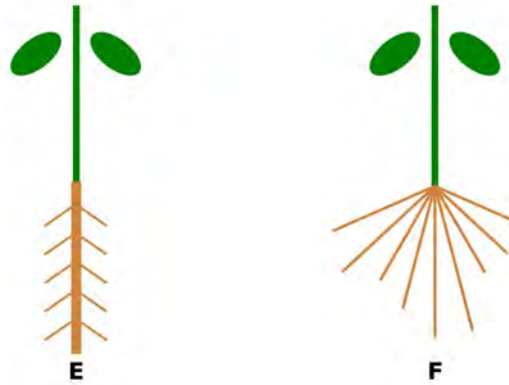
19. Which letter represents the pivot (fulcrum) of the lever?

- A. W
- B. X
- C. Y
- D. Z

20. (Refer to the diagram above.) Which letter represents the point where effort is applied to lift the load?

- A. W
- B. X
- C. Y
- D. Z

The diagram below shows two types of root systems labelled E and F.



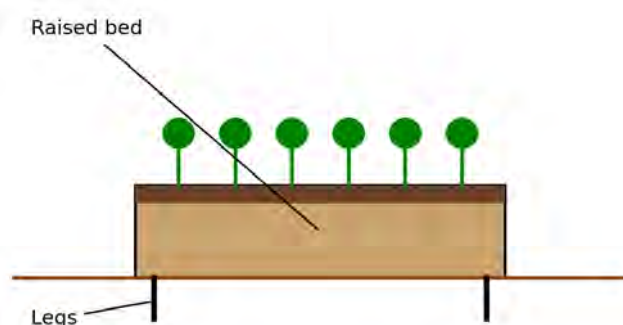
21. Which type of root system is labelled E?

- A. Fibrous root
- B. Tap root
- C. Adventitious root
- D. Prop root

22. (Refer to the diagram above.) Which one of the following crops has a root system similar to the one labelled F?

- A. Bean
- B. Mango
- C. Maize
- D. Orange

The diagram below shows a special seedbed used by learners to grow vegetables.



23. This type of seedbed is most suitable for a farmer who has

- A. very limited farming space
- B. heavy rainfall throughout the year
- C. strong winds in the area

D. very fertile soil

24. (Refer to the diagram above.) The raised bed shown mainly benefits the crop by

- A. conserving moisture longer than the ground
- B. preventing water logging around the roots
- C. increasing shade on the crop
- D. reducing the need for manure

*While herding livestock at night, a farmer observed the moon as shown in the diagram, to know how much moonlight would be available.*



25. The phase of the moon shown in the diagram is

- A. waxing gibbous
- B. waning gibbous
- C. waxing crescent
- D. waning crescent

26. A piece of farmland developed deep, wide channels after heavy rains, making it impossible to plough using a tractor. This type of soil erosion is called

- A. sheet erosion
- B. rill erosion
- C. gulley erosion
- D. splash erosion

27. Which one of the following is the most effective way of controlling gulley erosion on a farm?

- A. Mulching the farm
- B. Constructing gabions
- C. Contour ploughing
- D. Applying manure

28. A troop of monkeys has been feeding on ripening maize cobs on a farm bordering a forest. Which one of the following methods would best protect the crop without harming the monkeys?

- A. Poisoning the monkeys
- B. Setting traps to kill the monkeys
- C. Using scarecrows and noise makers
- D. Spraying the crop with pesticide

29. A farmer keeps geese in the poultry yard together with chickens. The main reason for keeping geese alongside chickens is that geese
- A. lay more eggs than chickens
  - B. alert the farmer of intruders
  - C. provide more meat than chickens
  - D. require less feed than chickens
30. Grade 6 learners used a garden tool with a flat, wide blade to turn and break up soil clods before planting. The tool they most likely used was a
- A. rake
  - B. hoe
  - C. panga
  - D. trowel
31. The main reason a farmer with very limited land would grow vegetables in old sacks filled with soil (a sack garden) is to
- A. control pests and diseases
  - B. make use of limited space
  - C. increase soil fertility
  - D. reduce the need for watering
32. After germination in a nursery bed, learners want to lift seedlings for transplanting with minimal root damage. Before lifting the seedlings, they should first
- A. clean and sharpen the tool used
  - B. loosen the soil around each seedling
  - C. dip the tool in water
  - D. oil the tool to prevent sticking
33. A cabbage is ready for harvesting when the
- A. leaves start turning yellow
  - B. head feels firm and solid when pressed
  - C. outer leaves begin to wilt
  - D. plant produces flowers
34. Black nightshade, spider weed, amaranth and cowpea leaves are all grouped together mainly because they are all
- A. climbing crops
  - B. leafy vegetables
  - C. root crops
  - D. cereal crops
35. Which one of the following crops is normally propagated using stem cuttings?
- A. Maize
  - B. Cassava
  - C. Beans

D. Sunflower

36. Grade 6 learners were asked to list foods that are rich in vitamins and minerals. Which food group did they most likely list?

- A. Meat, fish and eggs
- B. Fruits and vegetables
- C. Rice, maize and wheat
- D. Beans, peas and groundnuts

37. Preserving farm produce by drying is important mainly because it

- A. improves the taste of the produce
- B. reduces moisture content, preventing spoilage
- C. makes the produce more colourful
- D. increases the size of the produce

38. Which one of the following meals provides a balanced diet for a growing child?

- A. Ugali, sukuma wiki, fried fish and a banana
- B. Chips, soda and a sausage
- C. White bread, margarine and tea
- D. Rice and boiled potatoes only

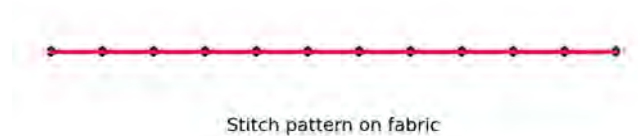
39. Baking is best described as a method of cooking food using

- A. steam in a covered pot
- B. hot oil in a shallow pan
- C. dry heat in an oven
- D. boiling water at high temperature

40. Before washing a heavily soiled garment, it should first be

- A. rinsed in clean water
- B. soaked in water for some time
- C. dried under the sun
- D. ironed while damp

*The diagram below shows a type of stitch used to join two pieces of fabric.*



41. This stitch is known as a

- A. running stitch
- B. back stitch
- C. chain stitch

D. blanket stitch

42. A learner noticed that the hem of her skirt had come undone. The most appropriate stitch to repair it is a

- A. back stitch
- B. chain stitch
- C. hemming stitch
- D. running stitch

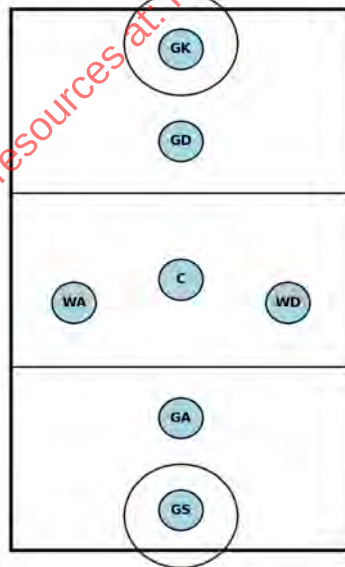
43. Before buying a household appliance, the most important factor to consider is

- A. the colour of the appliance
- B. whether it is the latest model
- C. its quality, price and usefulness
- D. whether friends also own it

44. During a health talk, a school nurse advised girls to change their sanitary towels regularly and to bathe daily during their menstrual period. This advice was mainly aimed at promoting

- A. weight management
- B. menstrual hygiene
- C. balanced dieting
- D. physical fitness

The diagram below shows playing positions on a netball court.



45. Which position shown is allowed to shoot goals?

- A. WD
- B. C
- C. GA
- D. GK

46. During a football match, a player twisted an ankle and it began to swell. The first aid a teacher should give is to

- A. massage the ankle vigorously
- B. apply a cold compress and rest the leg
- C. ask the player to keep walking on it
- D. apply a hot compress immediately

47. An athlete who completed a five-kilometre cross-country race without stopping mainly demonstrated a high level of

- A. speed
- B. flexibility
- C. endurance
- D. balance

48. Which one of the following is the correct order of actions in performing a forward roll in gymnastics?

- A. Landing, tucking, rolling, starting position
- B. Starting position, tucking, rolling, landing
- C. Rolling, starting position, tucking, landing
- D. Tucking, landing, starting position, rolling

49. In which one of the following games does a player score by grounding the ball behind the opponent's goal line?

- A. Football
- B. Netball
- C. Tag rugby
- D. Volleyball

50. While setting up a campsite, learners should avoid pitching their tent

- A. on a gentle, well-drained slope
- B. under a large shady tree away from a river
- C. at the bottom of a valley near a river
- D. on flat ground sheltered from wind