



EXAMINATIONS COUNCIL OF SWAZILAND JUNIOR CERTIFICATE EXAMINATION

Geography

527/01

Paper 1 Multiple Choice

**October/November 2012
1 hour 30 minutes**

Additional Materials: Multiple Choice Answer Sheet
Soft clean eraser
Soft pencil (type B or HB is recommended)
Ruler
Protractor

READ THESE INSTRUCTIONS FIRST.

Write in soft pencil.

Do not use staples, paper clips, highlighters, glue or correction fluid.

Write your **name**, **centre number** and **candidate number** on the Answer Sheet in the spaces provided unless this has been done for you.

There are **Sixty** questions on this paper. Answer **all** questions.

For each question there are four possible answers **A**, **B**, **C** and **D**.

Choose the one you consider correct and record your choice in soft pencil on the separate Answer Sheet.

Example:

For question 1,

If you think **C** is the right answer, mark the lozenge like this:

1	<u> </u> A	<u> </u> B	<u> </u> C	<u> </u> D
---	-------------------------	-------------------------	-------------------------	-------------------------

Make sure you make the mark next to the correct question number

Thoroughly erase mistakes when making changes to an answer.

Read the instructions on the Answer Sheet very carefully.

The paper consists of **19** printed pages and **1** blank page.

Section A – Map Reading and Basic Skills

1. Which **one** of the following features does a physical map show?
 - A. Railway , roads , air routes
 - B. Built up areas, winds , recreation parks
 - C. Average rainfall, roads, atmospheric pressure
 - D. Height of land, lakes, rivers , mountains

2. On maps, which **one** of the following statements is a correct description for an easting?
 - A. Line which runs from East to West
 - B. Line which runs from North to South
 - C. Line which crosses another
 - D. Line that is brown

3. What is meant by a contour interval?
 - A. The colour and shape of the contours
 - B. The difference between two contours on highland and lowland
 - C. The difference between any two closest contours
 - D. The colour and the size of the contours

4. Which **one** of the following scales is the smallest?
 - A. 1 : 10 000
 - B. 1 : 1000
 - C. 1 : 100
 - D. 1 : 10

Questions 5 to 15 refer to the map of Mauritius.

5. What is the highest point in grid square 8781?
 - A. 149 M
 - B. 8781 M
 - C. 89 M
 - D. 224 M

6. Which named building is found at grid 841818 ?
- A. Health Centre
 - B. Market
 - C. Church
 - D. Police Station
7. There is a road junction at 9086. What direction does one drive from the junction using the road to Magenta dam?
- A. North East
 - B. South East
 - C. South West
 - D. North West
8. What is the distance of the private road from the bridge at 890864 to where it joins the Black river Yemen road towards the west?
- A. 2.1 KM
 - B. 2.0 KM
 - C. 1.7 KM
 - D. 1.5 KM
9. What is the bearing of the trigonometrical station at grid square 8584 from the one at grid square 8483 ?
- A. 258°
 - B. 80°
 - C. 62°
 - D. 118°
10. Two farms are shown on in the top right corner of the map . What are these farms for?
- A. Goats
 - B. Sheep
 - C. Cattle
 - D. Poultry
11. What physical feature prevented the Riviere Moire Road from taking a straight direction from the bridge at 8485 to the Southern part of the map?
- A. River Tamarin
 - B. Tamarin Mountain
 - C. River Dup Port
 - D. The Papeys

12. Which **one** of the following has more recreational facilities?
- A. 8485
 - B. 8385
 - C. 8284
 - D. 8381
13. What is the most predominant crop grown in the mapped area?
- A. Filaos
 - B. Tea
 - C. Sugar
 - D. Mangrove
14. From the map evidence, which part of the map is having most towns?
- A. Central
 - B. Northern
 - C. Eastern
 - D. Western
15. What type of slope is found at 8589?
- A. Steep
 - B. Gentle
 - C. Stepped
 - D. Concave

Section B – Physical Geography

16. Which **one** of the following terms best describes the orbits followed by the planets as they revolve around the sun?

- A. Spherical
- B. Circular
- C. Elliptical
- D. Rectangular

17. Which is the largest planet of the solar system?

- A. Mercury
- B. Venus
- C. Mars
- D. Jupiter

18. Which eclipse does the diagram **Figure1** show?

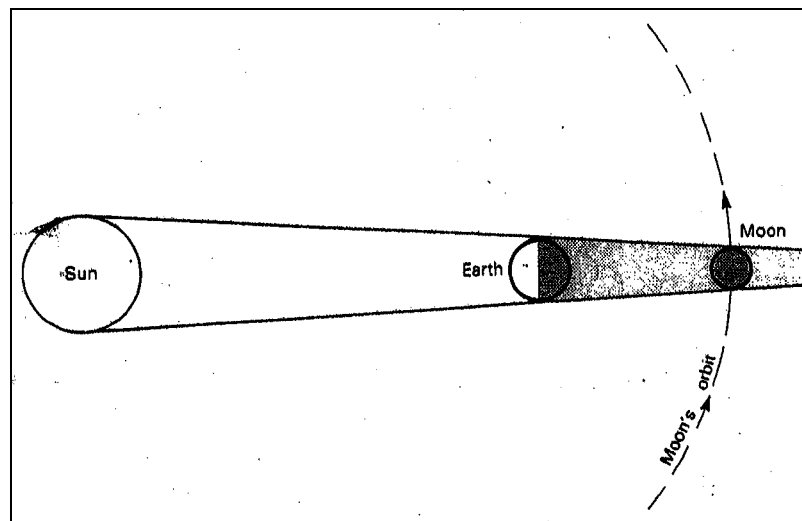


Figure1

- A. Eclipse of the sun
- B. Eclipse of the moon
- C. Eclipse of the Earth
- D. Eclipse of the stars

19. Study **Figure 2** which shows the layers of the earth. Which layer is the outer core?

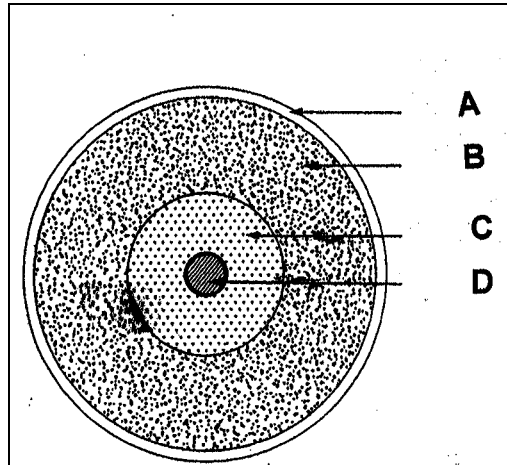


Figure 2

20. In the plan of a school **Figure 3**, which location is best suited for a weather station?

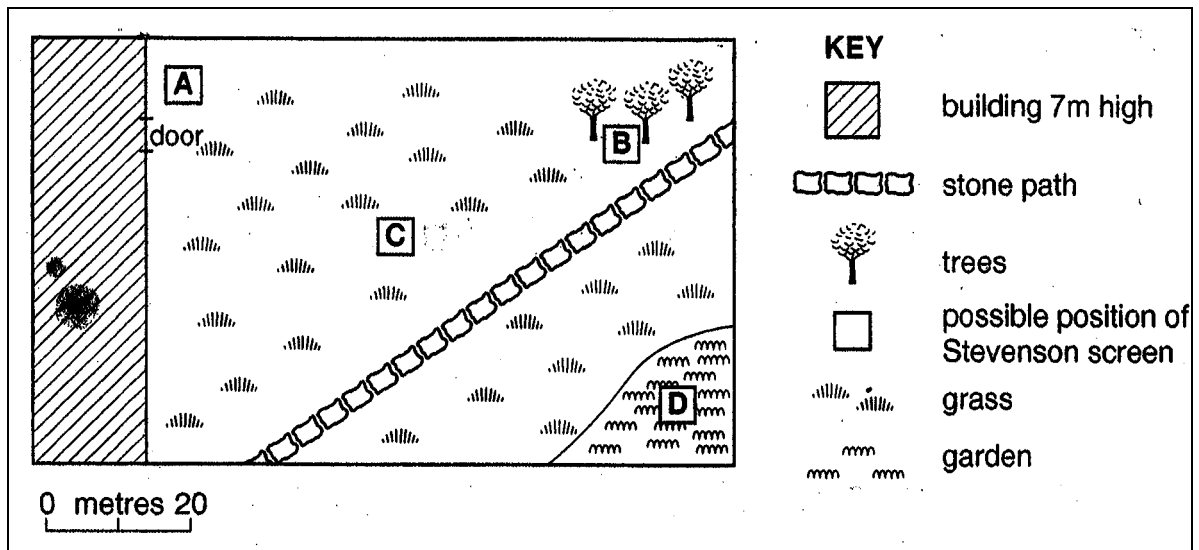


Figure 3

21. Which weather element is measured by the instrument shown in **Figure 4**?

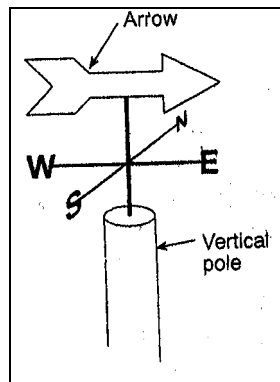


Figure 4

- A. Wind Speed
- B. Wind Direction
- C. Wind Force
- D. Wind Source

Questions 22 and 23 are based on **Figure 5**

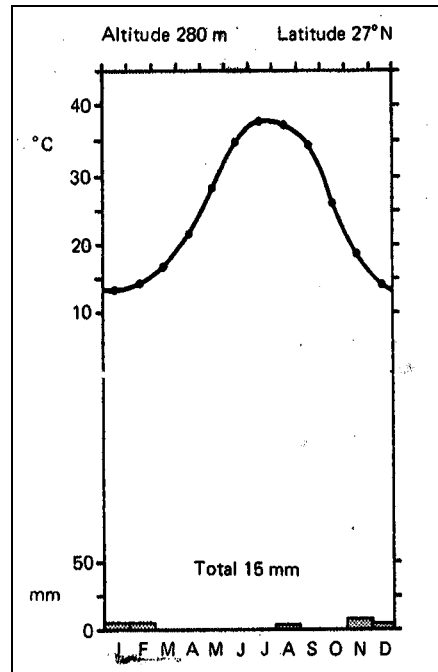


Figure 5

22. Which climatic region does the diagram represent?
- Mediterranean
 - Savannah
 - Cold desert
 - Hot Desert
23. Which description best describes the roots of plants found in this region?
- Long
 - Short
 - Butters
 - Aerial

24. Which diagram represents the result of movement along a normal fault in **Figure 6**?

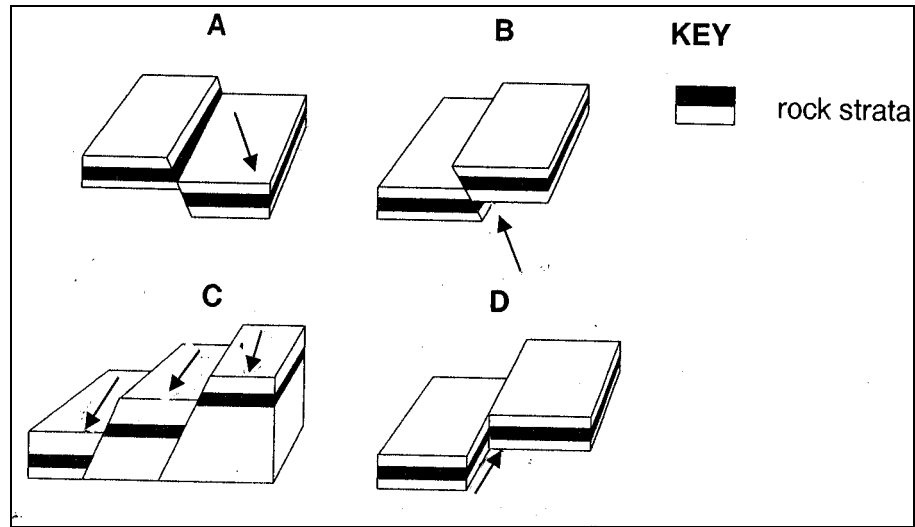


Figure 6

25. **Figure 7** shows a volcano. What is the name of the feature marked as X?

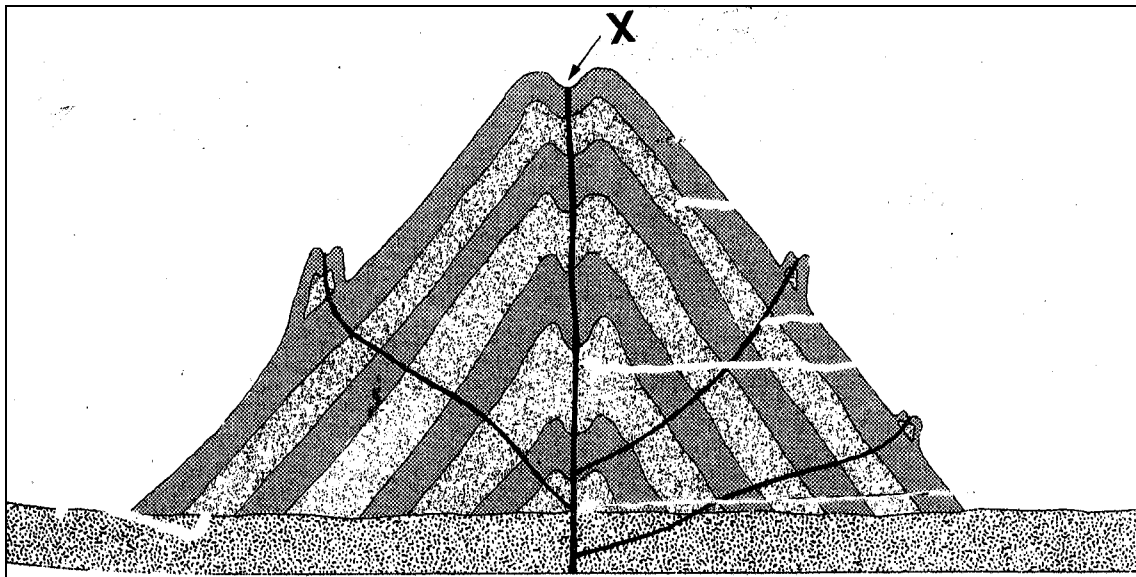


Figure 7

- A. Crater
- B. Vent
- C. Pipe
- D. Conolet

26. Which **one** of the following statements is an advantage of volcanic eruptions?
- A. Loss of life and destruction of dams
 - B. Formation of seismic waves
 - C. Deposition of fertile soils
 - D. Formation of rugged mountains
27. Which **one** of the following features will normally develop in the upper course of the river?
- A. Slip-off slope
 - B. waterfall
 - C. Levees
 - D. Meanders
28. Which combination of factors will result into the formation of Ox- bow lakes?
- A. Erosion and deposition
 - B. Erosion and transportation
 - C. Deposition and sedimentation
 - D. Deposition and transportation
29. The lowveld of Swaziland is rich in coal reserves. What type of rock is coal?
- A. Sedimentary
 - B. Igneous
 - C. Metamorphic
 - D. Black rock
30. On a hot day in a desert, a nomad observes a rock breaking into small fragments. What is the cause of this break up?
- A. Frost
 - B. Oxidation
 - C. Solution
 - D. Temperature Changes
31. A South African air plane took off from OR Tambo airport in Johannesburg, 30° E, at 1400hrs on Tuesday for Sydney 150° E. What was the time and day in Sydney when it left Johannesburg?
- A. 1300 HRS Wednesday
 - B. 1300 hrs Tuesday
 - C. 2200 hrs Tuesday
 - D. 2022 hrs Tuesday

32. Which **one** of the following statements is true about equinoxes?
- A. Vertical rays of the sun fall directly on the equator
 - B. Vertical rays of the sun fall directly on the tropic of capricorn
 - C. Vertical rays of the sun fall on tropic of cancer
 - D. Vertical rays of the sun fall on the arctic circle

Questions **33** and **34** are based on **Figure 8**.

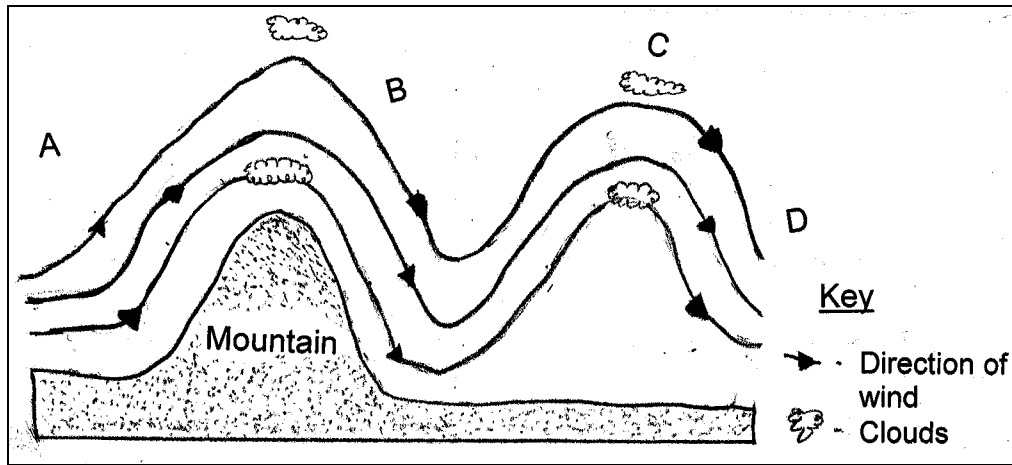


Figure 8

33. What type of rainfall is represented by the diagram?
- A. Convectional
 - B. Cyclonic
 - C. Relief
 - D. Heavy
34. Which of the locations A, B, C, or D is likely to receive more rainfall?
35. What combination of forces causes tides?
- A. Gravitational pull of mercury and mars
 - B. Gravitational pull of sun and moon
 - C. Gravitational pull of Jupiter and Venus
 - D. Gravitational pull of earth and moon

36. What causes earthquakes?
- A. Sudden earth movements along faults
 - B. Upliftment of land between two faults
 - C. Upliftment of magma from a vent
 - D. submergence of plates
37. What is a Tsunami?
- A. Wars fought in European countries
 - B. Giant waves caused by earthquakes
 - C. Submarine movement of water
 - D. Sea floor spreading
38. What percentage of the earth surface is covered by water?
- A. 70%
 - B. 7%
 - C. 0.7%
 - D. 0.07%

Questions 39 and 40, refer to **Figure 9**.

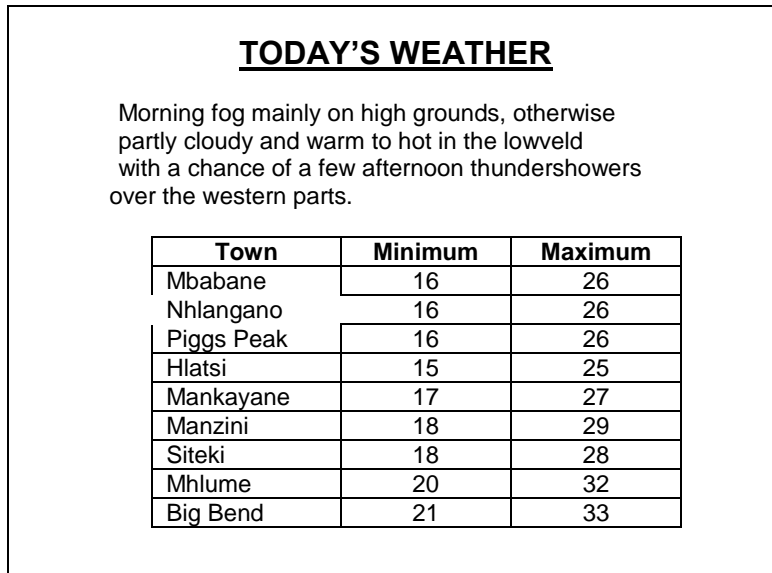


Figure 9

39. Which **one** of the following towns was the hottest?

- A. Mhlume
- B. Bigbend
- C. Mbabane
- D. Manzini

40. Calculate the daily average for Mankayane.

- A. 10°C
- B. 17°C
- C. 27°C
- D. 22°C

Section C - Population and Settlements

41. Which **one** of the following terms is used to describe the official counting of the population of a country?
- A. Registration
 - B. Census
 - C. Migration
 - D. Counts
42. The graph **Figure 10** shows the birth rate in a rural village.

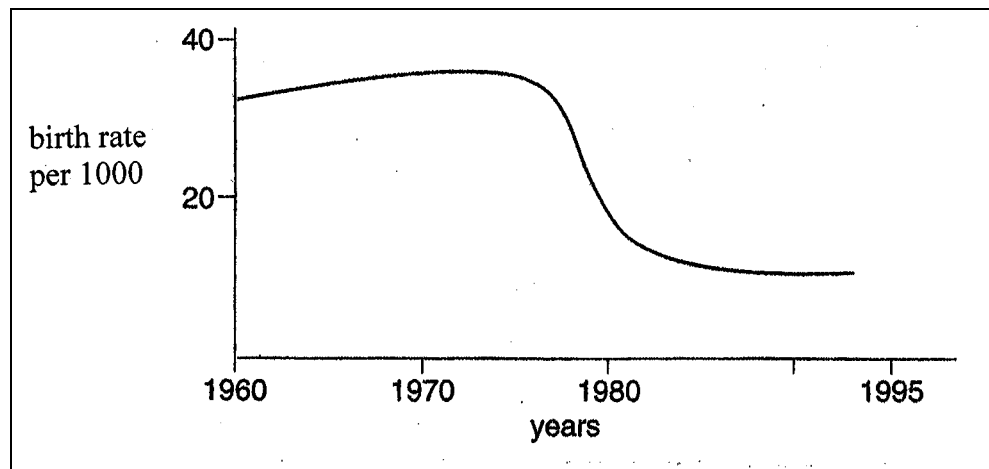


Figure 10

What is the most likely explanation for the sudden fall in birth rate as shown in the graph?

- A. Provision of fresh water
- B. Opening of a school
- C. Opening of a family planning clinic
- D. Opening of a shopping complex

43. **Figure 11** shows a population pyramid. Which of the following is likely to be represented by the pyramid?

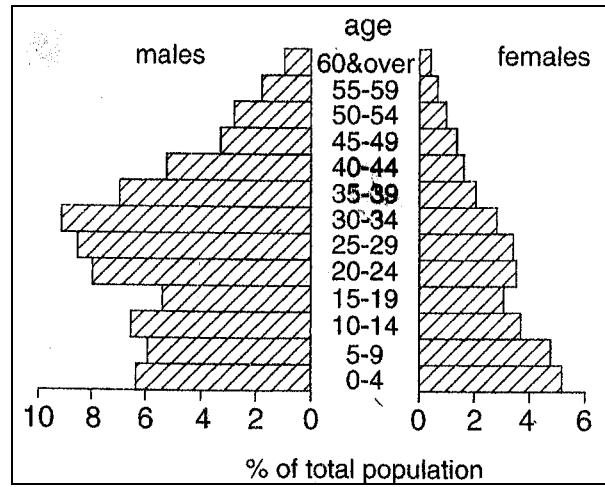


Figure 11

- A. A school
 B. An industrial town
 C. A market
 D. A rural village
44. What is meant by the term 'dependency ratio'?
- A. The number of people above 65 years in a country
 B. The number of people leaving the country each year
 C. The number of people dying in the country each year
 D. The number of non- working dependants in a population for every 100 workers
45. Which **one** of the following statements best explains the reasons for the desire to have large families in Swaziland?
- A. Need to replace the dead people
 B. Need to increase the population rapidly
 C. Need to provide young men to defend country
 D. Need to have people to help in agricultural activities

46. Which **one** of the following formulas is used to calculate population density?
- A. Number of people born minus number of people dying
 - B. Number of people in an area divided by number of houses in the area
 - C. Number of people in an area divided by the size of the area
 - D. Number of people in the area divided by the number of clinics in an area
47. Which **one** of the following statements shows a negative result of HIV/AIDS in a country?
- A. Reduction of the working population
 - B. Reduction of females only
 - C. Reduction in orphans
 - D. Reduction of males only
48. Which **one** of the following factors does not affect population distribution?
- A. Water
 - B. Vegetation
 - C. Relief
 - D. Language
49. Which combinations of factors cause unemployment in urban areas?
- A. Urban – rural migration and low death rates
 - B. Rural – urban migration and low birth rates
 - C. Rural – urban migration and high birth rates
 - D. Urban – rural migration and high death rates
50. What term is given to the daily movement of scholars from their home to school?
- A. Migration
 - B. Immigration
 - C. Emigration
 - D. Commuting
51. What is a settlement?
- A. Place where people have constructed their shelters
 - B. Place where people sleep
 - C. Place where people do their business
 - D. Place where people cultivate

52. Which **one** of the following locational factors may attract rural settlements?

- A. In a place with fertile soils and abundant rainfall
- B. In a place with high temperatures and dry
- C. In a place with poor soils and wet
- D. In a place with rocky soils and grazing land

53. Which rural settlement pattern is represented by **Figure12**

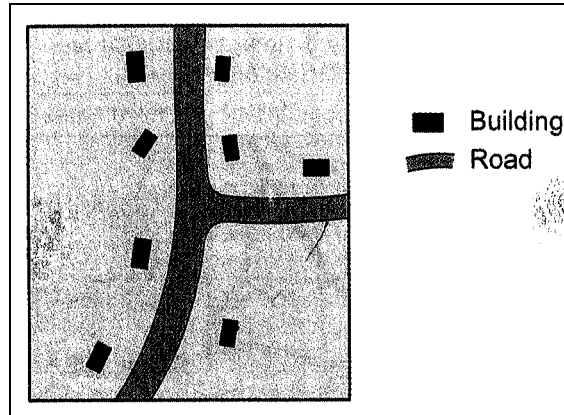


Figure12

- A. Dispersed
 - B. Nucleated
 - C. Linear
 - D. Squared
54. Which **one** of the following towns developed as a result of agriculture?
- A. Big Bend
 - B. Big Bend and Matsapha
 - C. Big Bend and Manzini
 - D. Big Bend and Siteki
55. What is likely to be found in the CBD of many towns?
- A. Parks and modern factories
 - B. Small shops and beautiful schools
 - C. Old shops and new industries
 - D. Departmental shops and offices

56. Why are most buildings of the CBD tall?
- A. To make town look modern
 - B. To attract tourists
 - C. To maximize land use
 - D. To make town beautiful
57. Which **one** of the following is common in low – income residential zone?
- A. High population Density
 - B. Low population Density
 - C. Look very clean
 - D. Houses are big
58. Which **one** of the following is a major problem that is a result of rural – urban migration?
- A. Traffic congestion in the city centre
 - B. Shortage of recreational facilities
 - C. Shortage of water and electricity
 - D. Growth of shanty towns in the outskirts of the towns
59. Which **one** of the following urban settlements is the smallest?
- A. Village
 - B. City
 - C. Town
 - D. Metropolis

60. **Figure 13** shows a new site for a town. From the map evidence, what is the advantage and disadvantage of the town?

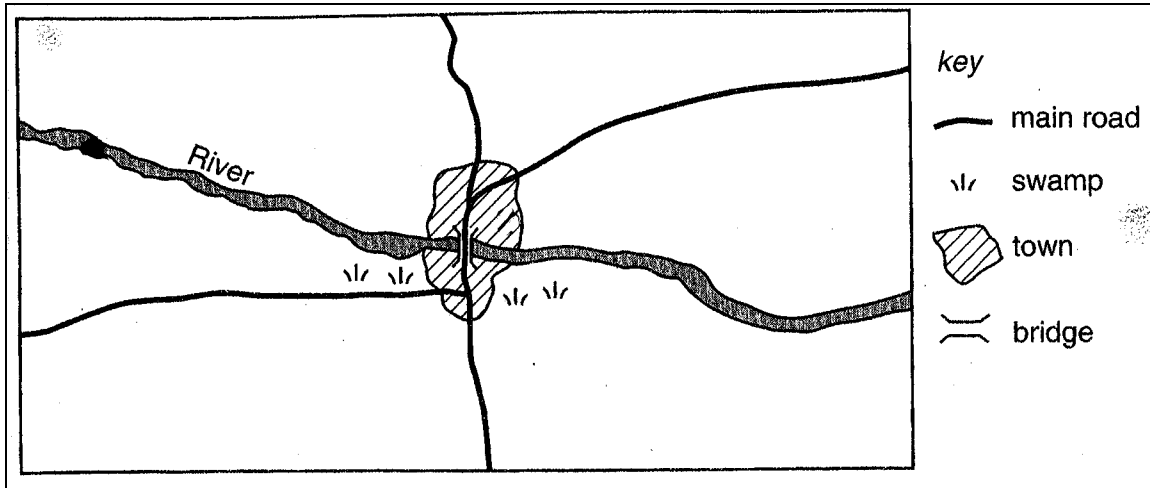


Figure 13

- A. Route centre - Flooding
 B. Dry site - Poor communication
 C. Water supply - No road
 D. Communication - Lack of water

