

## Map 1: Hwange West Content Page

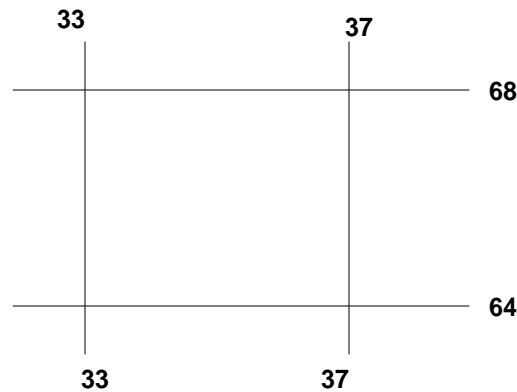
Students are to fill in the details in this content page whenever they are given map reading questions from **map 1- Hwange West**.

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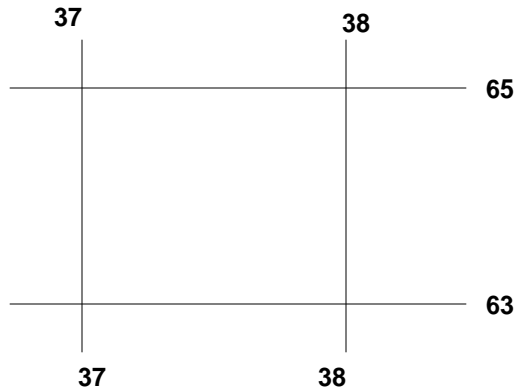
### **Map 1: Hwange West (1:50,000)**

1. What is the **grid square** of the bridge carrying the narrow tarred road over the Deka River? [1]
2. What is the **grid reference** of the bridge carrying the narrow tarred road over the Kabandama River found on the northern part of the map? [1]
3. What is the **bearing** of the post office (PO) in grid square 4669 from the sewage works at grid reference 439736? [1]
4. From the summit of the hill, Mavinga (grid square 4173), a walker looks across the landscape. On the far side of a wide tarred road below are several sets of railway track and then a power line. In the distance a large area of open cast mining can be seen. In which **direction** is the walker looking?
5. From the summit of the hill, Mavinga (grid square 4173), a visitor looks across the landscape. On the far side, he sees a wide tarred road and a railway track running side by side on two bridges over Deka river. In which **direction** is the visitor looking? [1]
6. **What** is the **direction** of the sewage works in grid square 3864 from the sewage works in grid square 4373? [1]
7. **What** is the **greatest straight line distance** between one end of the open cast coal quarry in grid square 4368 to the other end? [1]
8. **Name** the **obstruction** that prevents inter-visibility between the two trigonometrical stations at Sikabala (4675) and at Mavinga (4173)? [1]
9. What kind of **physical landforms** is Kondo Range (4375) and what is its **highest point** at the southwestern end? [2]
10. **What** is the **bearing** and **compass direction** of the trigonometrical station at Sikabala (4675) to the trigonometrical station at Mavinga (4173)? [2]
11. **What** is the **gradient** of the wide tarred road from the fork junction at grid square 3271 to the T-junction at grid reference 407727? [2]
12. **Calculate** the **gradient** of the wide tarred road along the fork junction from grid reference 467717 to grid reference 438732.[2]
13. A trekker walks along the narrow gravel road between the spot height in grid square 2657 towards the intersection of the gravel road and track in grid square 3060.
  - (i) What is the **average gradient** along the route that he took? [2]
  - (ii) What is the **grid bearing** of his destination from his starting point? [1]
14. Refer to the spot heights in grid square 3865 and 4365.
  - (i) What is the **straight line distance** between the two spot heights? [1]
  - (ii) What is the **grid bearing** of the 770 meters spot height from the 806 meters spot height? [1]
15. **Describe** the **distribution** of the **settlement** found in the area shown by the map extract. [2]
16. Study the area from northing 56 to 62. **Describe** the **most important** economic activity. Give map evidence for your answer. [2]

17. What is the **direction of flow** of Deka River? Explain your answer. [2]
18. Study the area in the map extract as shown below. Describe the **natural vegetation** in the area. [2]

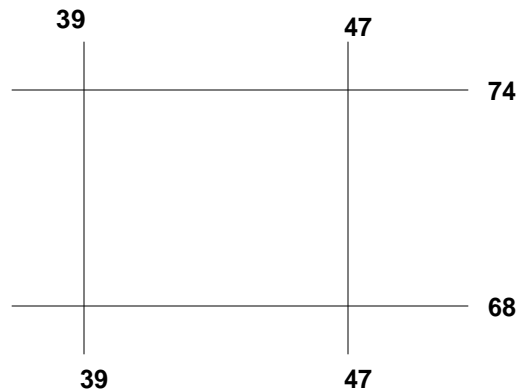


19. Based on the locations of the buildings at 384695 and 442718,
- state** the direction of the building at 384695 from the building at 442718
  - Calculate** the distance between these two locations.
  - Measure** the angular bearing of the two building where the observer is at a building at 442718 and view the building at 384695. [3]
20. **Calculate** the **average gradient** between the spot height 898 at grid square 3256 and spot height 817 at grid square 2861 and **find** the **direction** from spot height 898 to spot height 817. [3]
21. **Compare** the **gradient** of the wide tarred road between the Thomson junction at grid reference 467717 and at 454722 relative to the gradient of the wide tarred road between the Thomson junction at grid reference 454722 and 407727. **Which** one is steeper? **Explain** your answer. [3]
22. **Explain** how **transport lines** have been influenced by relief and human factors in this area. [3]
23. **Describe** the River Deka and its tributaries. [3]
24. Using **map evidence** only, **explain** how Railway Farm 50 is influenced by physical factors.
25. **Account** for the **transport network** in the map. [3]
26. **Give map evidences** to show why town Kamandana is located there. [3]
27. **Describe** the **landform** in the southern half of the map. [3]
28. **Describe** the **settlement pattern** of Hwange and explain the reasons for its location there. [3]
29. **Give an account** for the **main features** of Deka River in the northern part of the map extract. [3]
30. **Describe** the **changes in physical landscape** along northing 74 from easting 40 to 47. [3]
31. **Describe** the **settlement pattern** of the area shown in the diagram below. [3]



32. Provide **map evidence** to show that Hwange West is able to promote tourism. [3]

33. Provide **map evidence** to show that there is water supply in the region defined below. [3]

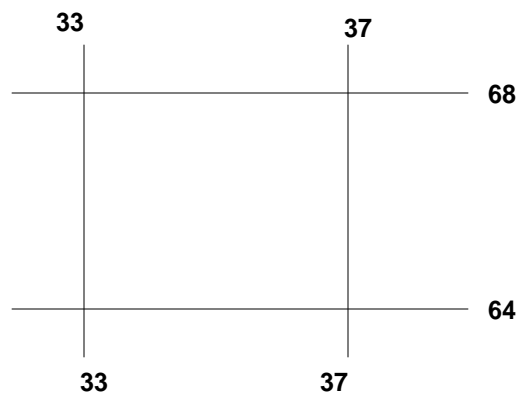


34. Using map evidence only, **state** why mining is an important activity in the area east of Deka river and the railway network on the east of the map. [3]

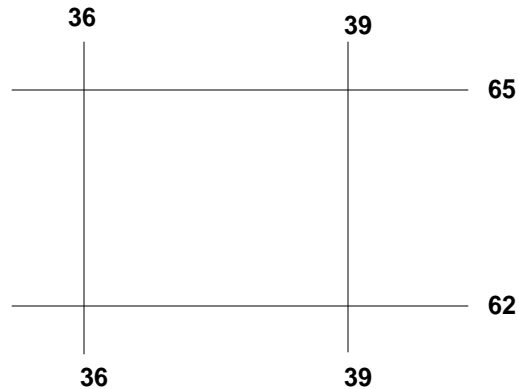
35. From **map evidence** only, **identify** the main economic activity. **Account** for its **importance**. [3]

36. **What** is the **main economic activity** of Kamandana? Give reasons to support your answer? [3]

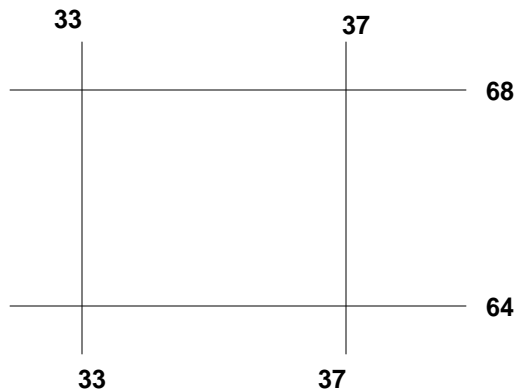
37. **Study** the area in the map extract as shown below. **Describe** the **drainage** in the area. [3]



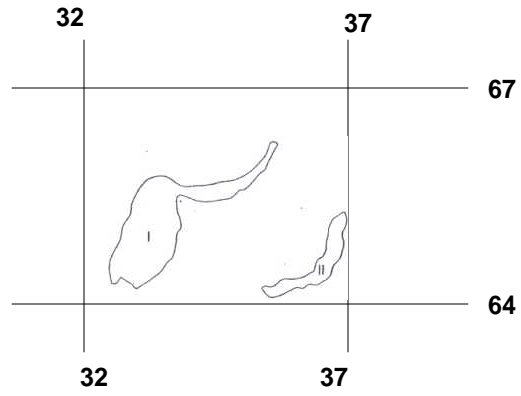
38. Refer to the area of the map bounded by easting 33 and 37; northing 64 and 68. **Describe** in detail **TWO physical features** found in the area. [4]
39. **Study** the area in the map extract enclosed by easting 37 and 47 and northing 68 and 78. To what extent are these economic activities that you have mentioned affected by **relief and drainage**? Support your answer with map evidence. [4]
40. **Study** the area south of grid line 60. **Compare** the **relief** of the area to the east and west of the Game Fence. [4]
41. **Describe** the **location** and the **settlement pattern** of the area found below. [4]



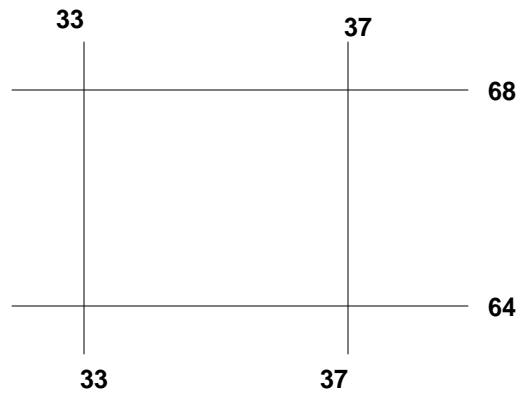
42. **Give map evidence** to show that Hwange West is able to support manufacturing industries.[4]
43. **What** are the **factors** that have contributed to the growth of the town of Kamandama at 4069? [4]
44. **Identify** two **natural features** that might attract tourists to the Hwange West region and explain its **impact**. [4]
45. **Study** the area in the map extract as shown below. **Describe** the **relief** in the area. [4]



46. **Describe** the **transportation facilities** of the whole area shown on the map extract and **account** of its **importance**. [5]
47. **Study** the area in the map extract as shown below. **Compare** the **relief** in region I and II and **explain** how this has influenced human activities in these two regions. [5]



48. **Study** the area in the map extract as shown below. **Describe** the landforms in the area. [5]



## Map 2: Lesser Antilles Content Page

Students are to fill in the details in this content page whenever they are given map reading questions from **map 2- Lesser Antilles**.

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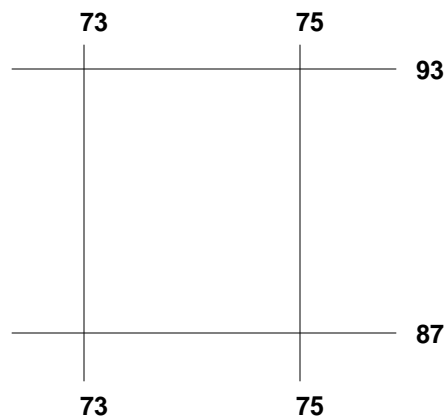
## Map 2: Lesser Antilles (1:25,000)

### N LEVEL 2004

1. **State** the **direction** and the **bearing** from grid north of the school in grid square 6599 from the Agricultural centre in grid square 6202. [1]
2.
  - (i) **Describe** the **features** of the Layou River and its valley. [3]
  - (ii) **Name** the **main crop** grown in the Layou River valley.[1]
3. **Describe** how the route of the **Unsurfaced road** from Mahaut to 659990 is **related to relief**. [2]
4. **Suggest** why the **settlement** of St. Joseph (grid square 6002) has grown up at its location. [3]

### O LEVEL 2004

1. **Measure** the **distance** between the two minor trigonometrical stations at 706891 and 724887. Give your answer in **metres**. [1]
2. Using **evidence from the map** only, **suggest reasons** why
  - (i) **no settlement** is located in the area shown below, [3]

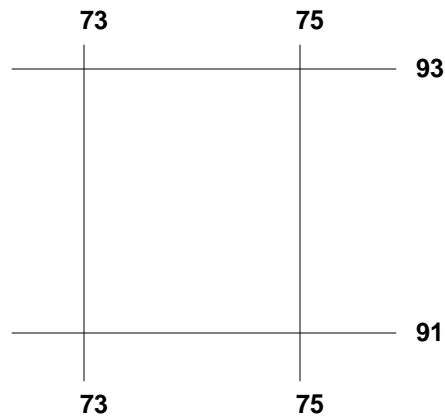


- (ii) **industries developed** in the area show in grid square 6492. [3]
3. **Describe** the **physical features** of the coastline south of northing 84. [3]

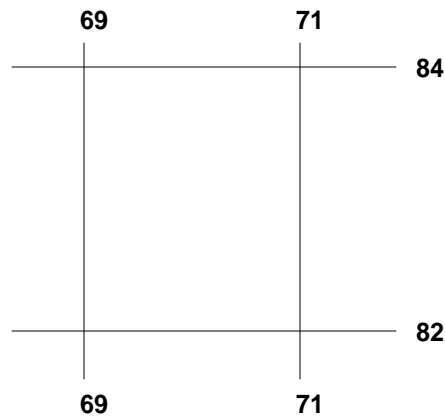
### Additional questions

1. **State** the **length** of the Parish Boundary from the junction in grid square 6986 to the west coast. [1]
2. **State** the **six figure grid reference** of the Agricultural Centre north-west of Berekua in the southeast of the map. [1]
3. **What** is the **grid reference** of the lake at the north eastern part of the map? [1]
4. **State** the type of **natural vegetation** in grid square 6800. [1]
5. **How** far would a person be travelling if he uses the surfaced road travelling from Clarke Hall Estate in grid square 6302 and arrives at Boxing Shed in grid square 6102? [1]

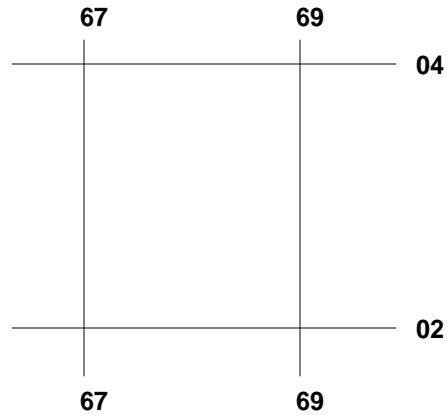
6. **Measure** the **distance** between the two minor trigonometrical stations at 691816 and 682827. Give your answer in **metres**. [1]
7. Look at the region shown below. In **which grid square** has the **highest drainage density**? [1]



- 8.
- (a) **What** is the **compass direction** and **bearing** of the trigonometrical station at 724888 from trigonometrical station at 704896? [2]
- (b) **Calculate** the **distance** between them. [1]
9. **Describe** and **explain** the **settlement patterns** in grid squares 6002 and 6397. [3]
10. **Describe** the **relief** and **drainage pattern** of the area found below. [3]



11. Using **map evidence only**, **explain** why it is not feasible to build a beach resort along the coastline south of northing 83 and east of easting 68. [3]
12. **Describe** the **physical landscape** of the area found below. [3]



13. **State** and **give reasons** for the **distribution of settlement** in the western area of the map extract, from the west of easting 67. [4]
14. **Describe** and **account for** the **cultivation** in the area south of northing 86 and east of easting 69. [4]
15. **Study** the area north east of easting 71 and northing 89. **Compare** the relief of the area to the east and west of the parish boundary. [4]

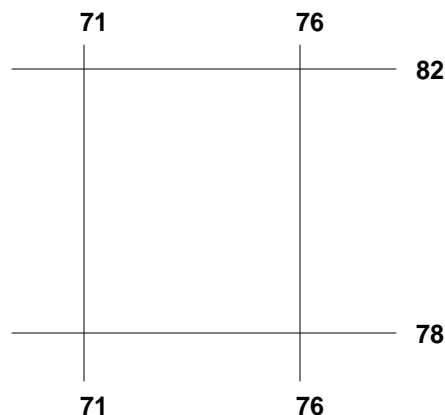
### Map 3: **Masvingo** Content Page

Students are to fill in the details in this content page whenever they are given map reading questions from **map 3- Masvingo**.

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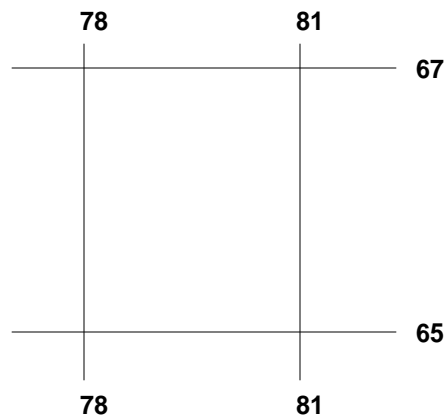
### **Map 3: Masvingo (1:50,000)**

1. **What** is the **grid reference** of the bridge carrying the railway, over the Sagashi River? [1]
2. **What** is the **grid reference** of the bridge carrying the wide tarred road over River Mucheke before the river confluence at grid square 6780 in the northern part of the map extract? [1]
3. **What** is the **grid reference** of the trigonometrical station at Mount Cotapaxi located at the extreme southwestern corner of the map extract? [1]
4. **What** is the **grid bearing** of the trigonometrical station in grid square 7574 from the trigonometrical station in grid square 6971? [1]
5. A tourist visited the Providential Pass Memorial at grid reference 673701 then returned to his motel in grid square 7377. **What** was the **distance** he had to travel along the wide tarred road to get back to his motel, and **what** was the **direction** of the motel from the Memorial? [2]
6.
  - (i) **What** is the **actual distance** in **kilometers** between the Store (744719) and the Dip Tank (703653)? [1]
  - (ii) **What direction** will you be facing if you were looking toward the Dip Tank from the Store? [1]
7. Refer to the wide tarred road between the road junction 732774 and the Providential Pass Memorial at 673701.
  - (i) What is the **distance** of the wide tarred road between these two points? [1]
  - (ii) What is the **average gradient** along the wide tarred road between the road junction and the memorial? [2]
8. **Calculate** the **gradient** of the slope between the trigonometrical station at 668663 and the point 684660. [2]
9. **Give bearing** of the trigonometrical station (8173) from the Italian Church and the **actual straight line distance** between these two human features. Leave your answer in km. [2]
10. Refer to the area of the map shown below. **State map evidence** to show that Masvingo is a town.



11. **Account for** the presence of the three dams near BRUCEHAME. [2]

12. **Account for** the absence of settlement on the extreme bottom left of the map. [2]
13. **State the map evidence** of mining activity in the map extract. [3]
14. **Using map evidence** only, explain why Ivyland found at the southeastern part of the map is suitable for cultivation of crops. [3]
15. **State and give reasons** for the distribution of settlement south of the map extract bounded by northing 70. [3]
16. **Describe the relief** of the area in the southwest of the map extract bounded by easting 71 and northing 74. [3]
17. Using **map evidence** only, **describe the economic activities** that have led to the growth of the town of Masvingo. [4]
18. **Describe the relief and drainage pattern** bounded by easting 66-68 and northing 65 and 68 in the south west part of the map extract. [4]
19. **Describe and give reasons** for the distribution of the wide-tarred roads found on the entire map. [4]
20. **State** the role of the Masvingo in relation to the mining industry in the region. [4]
21. Refer to the area of the map shown below.



- (a) Using **map evidence(s)** only to prove that agriculture is an important economic activity in that area (Ivyland). [3]
- (b) **Describe and account for the patterns** of settlement found in Ivyland. [3]

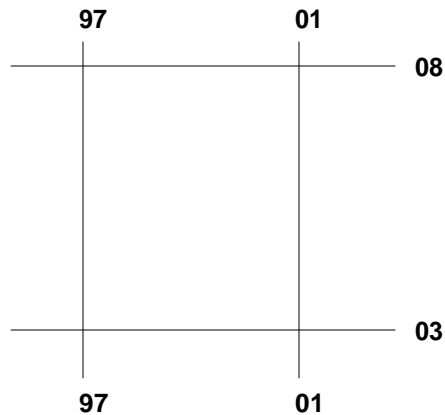
### Map 4: Port Louis Content Page

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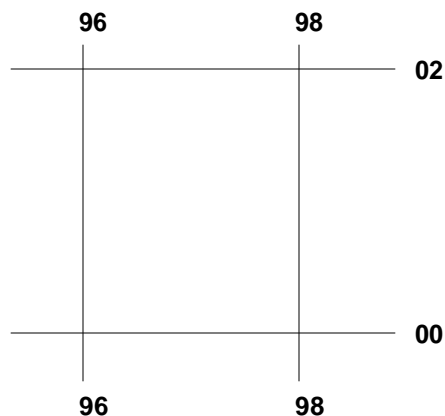
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#### **Map 4: Port Louis (1:25,000)**

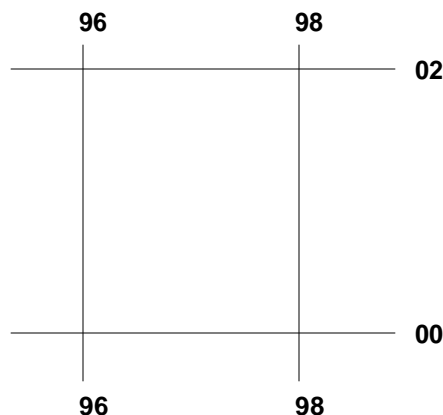
1. Give the **direction** of the **river flow** of Grand River. [1]
2. In which **grid square** are marshes found to the south of grid line 96? [1]
3. **What** is the actual **distance** of the main road B (Victoria Avenue) from 947925 to 945939? [1]
4. **Name** the **obstruction** that prevents the expansion of settlements in the southwestern of the area of the map shown below. [1]



5. **What** is the **angular bearing** and the **straight-line distance** of the trigonometrical station at 993046 to the trigonometrical station at Priest Peak near Port Louis? [2]
6. **Calculate** the **gradient** between the mosque at 001043 and minor trigonometrical station at 987038. [2]
7. **Compare** and **describe** the **relief** (slope) in grid square 9602 and 0100? [2]
8. **Account for reasons** why the agricultural activity does not extend for the east of the area bounded between northings 98 and 02. [2]
9. **Describe** factors that contributes to the **development** of the main motorway. [2]
10. **Describe** the pattern of **transport routes** in relation to the relief. [2]



11. Using **map evidence** only, **name two economic activities** that rely on the port development along the coast between easting 95 and 98. [2]
12. A company is intending to set up a tourist resort in between the two rivers in 9596.
  - a) **Identify two natural features** that might attract tourists to the resort. For each feature, **explain** how it would attract tourists. [2]
  - b) What **other features** make the location suitable for development as a tourist destination? [2]
13. Using **map evidence**, **show** why Beau Climat is **not a very developed** area in Port Louis. [3]
14. **What indications** are there to show that the area between northings 95 to 98 and eastings 97 to 01 is **not as developed** as the other areas shown in the map of Port Louis? **Hence, give reasons** to support your answer. [3]
15. **What** are the **advantages** of locating a heavy industry in Plaine Lauzun Industrial Zone (9402)? [3]
16. **Describe** the **relief** of Long Mountain situated between eastings 00 to 03 and northings 05 to 07. [3]
17. Look at the area bounded by eastings 92 to 94 and northings 98 to 00. **Describe** the **relief** of this area. [3]
18. Look at the area bounded by eastings 95 to 96 and northings 91 to 92. **Describe** the **relief** of this area. [3]
19. Give an **account** of the **important functions** of Port Louis. [3]
20. **Why** is the area bounded by eastings 95 to 100 and northings 99 to 103 **unsuitable** for agriculture? [3]
21. **Account for** the **differences in the type of human economic activities** found in grid square 9896 and 9906. [3]
22. Imagine that you are on a boat navigating the Grand River North West from northing 00 right up to the bridge at 9402. **Describe** the **features** of the river along this journey. [3]
23. Give an **account for** the **agricultural activities** in the area of La Dagotiere (0394). [3]
24. Using **map evidence** only, **why** is the land suitable for sugar cane cultivation? [3]



25. **Compare** the **differences in the physical landscapes** of the areas north and south of northing 05. [3]
26. **Account for** the **settlement pattern** in the northwest of Easting 99 and Northing 104 of Port Louis. [3]
27. **Compare** the **development** of Beau Climat with the development of the rest of Port Louis. **Explain** the **differences** you have observed. [4]
28. **Explain** why there are **more settlement developments** on the western side of Port Louis than the eastern side? [4]
29. **Describe** the **distribution** of sugar cane plantation in Port Louis. **Give reasons** for this **distribution**. [4]
30. **Describe** the **course** of the Grand River North West bounded by eastings 94-95 and northings 99 to 03. Use **map evidence** to support your answer. [4]
31. **Describe** the **changes in physical and human landscapes** along northing 03 from 9703 to 0103.
32. **Identify** the **settlement pattern** of the southeast area of the map extract and **describe** its **distribution**. [4]
33. **What** are the **factors** that influence the **development** of areas around Camp Yolloff as a port town? [5]
34. Study the area of the map between eastings 02 and 05, and northings 93 and 96.
- (i) **Calculate** the **distance** along Verdun Road between the village hall and the post office. Give your answer in **kilometers**. [1]
  - (ii) **List** the **services** that are provided in the town area. [2]
  - (iii) Using **evidence from the map**, **suggest** the uses of the water from the reservoir in 0493. [2]
  - (iv) **Describe** the **land use** in this area. [2]
  - (v) **Suggest** why the **relief** shown on the map is suited to the types of **land use** in this area. [2]
  - (vi) **Describe** the **transport network** in the area. [2]
35. Study the area of the map bounded by eastings 92 to 95, and northings 98 to 01.
- (i) **What** is the **main crop** cultivated in this area? [1]
  - (ii) **Describe** the **distribution** of crop cultivation in the area. [2]
  - (iii) **Describe** the **factors** that make this area suitable for the cultivation of this crop. [4]

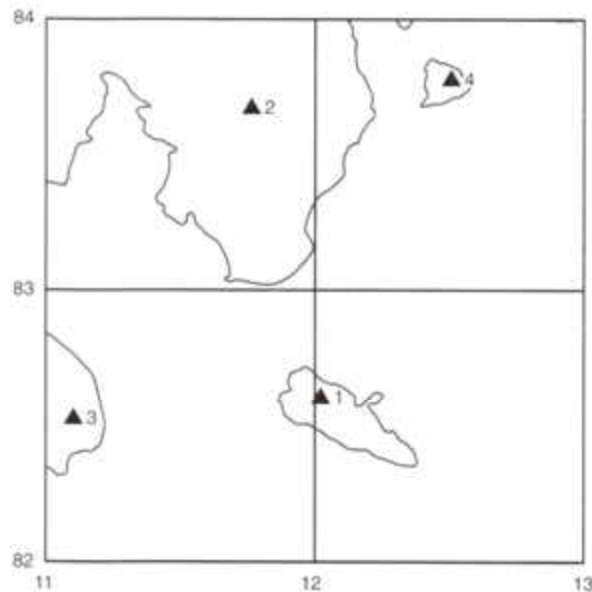
## Map 5: **Rose Belle** Content Page

Students are to fill in the details in this content page whenever they are given map reading questions from **map 5- Rose Belle**.

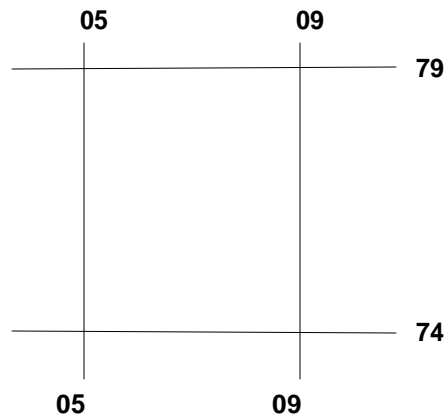
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**Map 5: Rose Belle (1:25,000)**

1. **What** is the actual **distance** of the Main B Road from the T-junction at 172776 to the T-junction at 173784? [1]
2. **What** is the **length** of the road from the T-junction (117818) to the Police Station (129803) beside the road? [1]
3. **What** is the **compass direction** from the post office at 092761 to the trigonometrical station in Vernon Hill at 098791? [1]
4. A man stands at the trigonometrical station at 127804 and looks towards Pont St Joseph (120819) at the road bridge. He decides to fly by a single-seat plane to the Point. **What** is the **direction** in which he flies? [1]
5. There are 4 points 1,2,3 or 4 on the figure below. **State** the **grid square** which is the **highest** point in the area shown? [1]

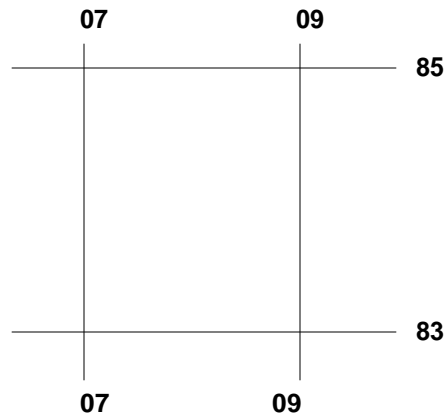


6. In **which direction** is the **relief** sloping towards to of the area of the map shown below? [1]

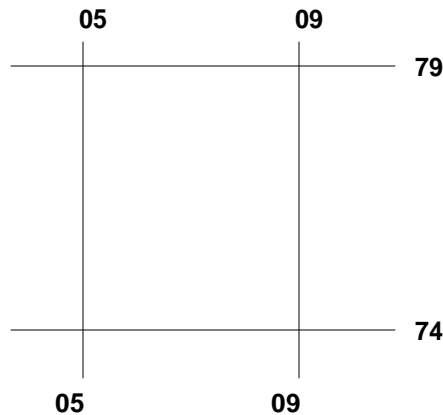


7. **What** is the **gradient** of the motorway from the roundabouts at 060777 to 083751? [2]

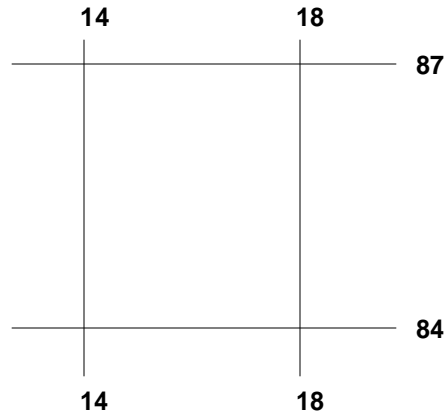
8. **Calculate** the **bearing** and the **length** of the straight section of Coriolis Road from the temple at 086810. [2]
9. **What** is the **direction** and **bearing** of the school at 1181 from the trigonometrical station at Le Val at 1082? [2]
10. **Calculate** the **gradient** of the road from the T-junction at 172776 to the T-junction at 173784? [2]
11. **Describe** the **settlement pattern** shown in grid square 1576. **Suggest** reasons for its pattern. [2]
12. The land bounded by the grid squares shown below is **unsuitable for settlement**. Give two map evidence to explain why people avoid building settlement in this area. [2]



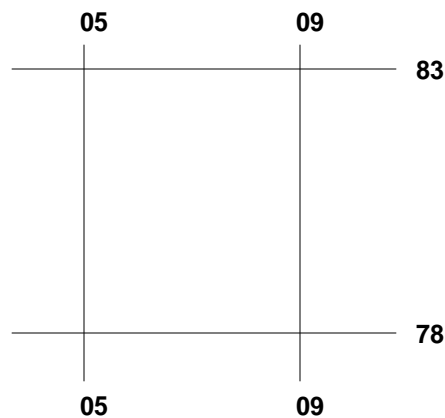
13. Using **map evidence**, **explain** the **accessibility** of Rose Belle. [3]
14. **Describe** the **relief** and **drainage system** of the area of the map shown below. [3]



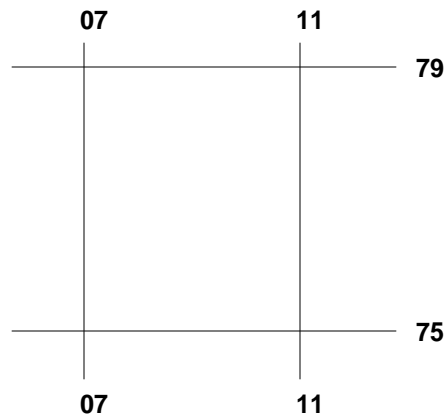
15. **State** the **map evidence** which show that Riche en Eau (1479) is an important collection and processing centre for the agricultural produce from its surroundings. [3]
16. **Give** reasons why there is a near **absence of settlements** north of northing 83. [3]
17. **Describe** the **relief** of Bambou Mountain of the area of the map shown below. [3]



18. Using **map evidence** only, state the **important functions** of Rose Belle town. [3]
19. **Describe** and **account for** the **location** of the sugar factory in grid square 0777. [3]
20. **Describe** the **landuse** of the area around Rose Belle. [3]
21. **Describe** how the road from the bridge at 168869 to the road end at 162865, has been influenced by **relief**. [3]
22. **What** is likely to be the main use of the water of the Eau Bleue Reservoir (0783) and why are there no houses built along the northern shores of the reservoir? **Explain** your answers with reference to the **map evidence**. [3]
23. **Account for** the **settlement pattern** of the town Rose Belle found south of the east-west grid line 79. [3]
24. **Explain** how the **transport network** is influenced by the **relief** of the area of the map shown below. [3]

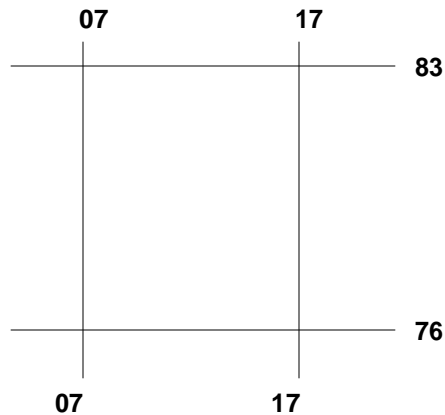


25. **Explain** the **factors** which have influenced the **growth** of settlements at Rose Belle. [3]
26. **Explain** why the airport is built in the southwestern part of the map. [3]
27. **Describe** and **account for** the shape of the B7 road from the junction with the Main A road at 094763 to the junction with the Main B road at 137789. [4]
28. Using **map evidence** only, prove that the cultivation is of a **large scale** like a plantation. [4]
29. With reference to the area on the map shown below,

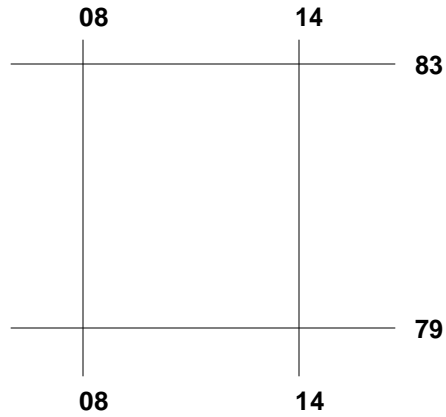


- (i) **State** the main **patterns** of **settlements** shown. [1]
- (ii) **Explain** the **physical** and **human factors** which have influenced the settlement patterns. [4]
- (iii) **Using map evidence**, state the **main economic activity** of the region shown below and explain how the settlements of Rose Belle supports the economic activity you named. [3]

30. **Account for** the **settlement patterns** of the area of the map shown below: [4]



- 31. **Account for** the cultivation in the areas of Rose Belle. [5]
- 32. **Describe** the **physical landscape** of the areas north of northing 81. [6]
- 33. Study the area of the map shown below and answer the following questions: [6]



- (i) **Name** the crop that is grown extensively.
- (ii) **Describe** the relief of the area west of easting 11.
- (iii) **Describe** the road pattern in the area.
- (iv) **State** in what way has relief influenced the location of the road.

## Map 6: Rusape Content Page

Students are to fill in the details in this content page whenever they are given map reading questions from **map 6-Rusape**.

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## **Map 6: Rusape (1:50,000)**

1. **What** is the **grid reference** of the waterfall over the river Rusape north of the Rusape Dam (0141)? [1]
2. **State** the **six figure grid reference** of the road bridge over the river Rusape south of the Rusape Dam (0141). [1]
3. **What** is the **distance** along the gravel road from the Chindukuru Township to the bridge at 057494? [1]
4. **What** is the **grid bearing** of trigonometrical station 280/T at grid square 0344 from trigonometrical station 281/T at grid square 1147? [1]
5. **What** is the **bearing** and **compass direction** of the spot height in grid square 9750 from the spot height in grid square 9953? [2]
6. A straight gravel road links the small hill Runyange, in grid square 0541, to the hill, AB 95, in grid square 0774. **What** is the **length** and **direction** of this straight road from Runyange Hill to the other Hill? [2]
7. **Calculate** the **gradient** of the taut cable from the grid square 0151 strung along the cadastral boundary between the trigonometrical station and the mountain slope at 017520. [2]
8. If the map was drawn  $\frac{1}{2}$  the scale of the map extract provided, **state** the **scale** of the new map expressing it in 2 different ways. **Which** scale will provide more details- the actual scale or the new scale? [2]
9. **Using map evidence**, explain how Rusape river can be useful. [2]
10. **Calculate** the **gradient** of the wide tarred road between the junction at 0846 to the motel (0853). [2]
11. **Calculate** the **gradient** of the Gravel Road running from grid reference 993413 to 020458. [2]
12. **What** is the **gradient** of the wide tarred road between the road bridge at 080532 and the bench mark at 078498? [2]
13. **What** is the **average gradient** along the gravel road in the northwest of the map between grid line 96 and grid line 98? [2]
14. **What** is the **average gradient** along the gravel road between grid line 95 and grid line 96? [2]
15. **Citing map evidences**, explain one main **function** of Rusape town. [3]
16. **State** the **facilities and amenities** that are available to people who want to go to Rusape on business. [3]
17. **Describe** the **relief** between the peak of the hill Runyange (0441) and the peak of the hill (1142).[3]
18. **Account for** the distribution of cultivation found on west of easting 00. [3]
19. **Account for** the distribution of cultivation in the map. [3]

20. **Compare** the **gradient** of the taut cable from the grid square 0151 strung along the cadastral boundary between the trigonometrical station at 0450 relative to the gradient of the taut cable from 0450 strung along the cadastral boundary between the trigonometrical station and the intersection between the wide tarred road and bridge at 0848. Which one is gentler? Explain your answer. [3]
21. A motorist travels northwards on the wide tarred road towards the motel (0853). **Describe** the changes in **land use** he observes on his right as he moves from the junction at 0846 towards the motel. [3]
22. **Describe** the **changes in landuse** along northing 50 from 0450 to 1150. [3]
23. **Compare** the areas shown in the Figure 1 below. Using **map evidence** only, suggest possible reasons why settlements are found in one area but not in the other area. [3]

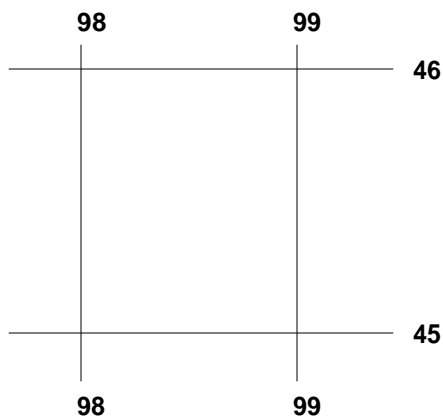


Fig 1A

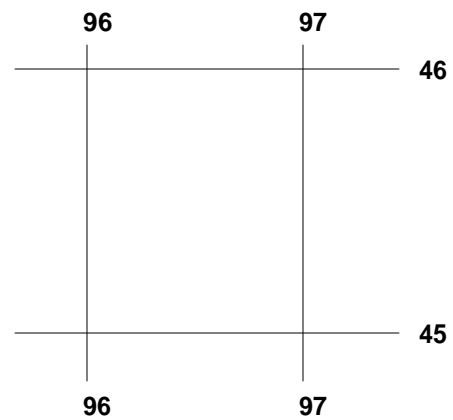
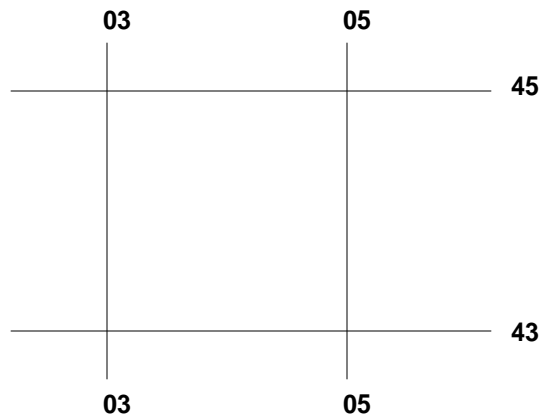
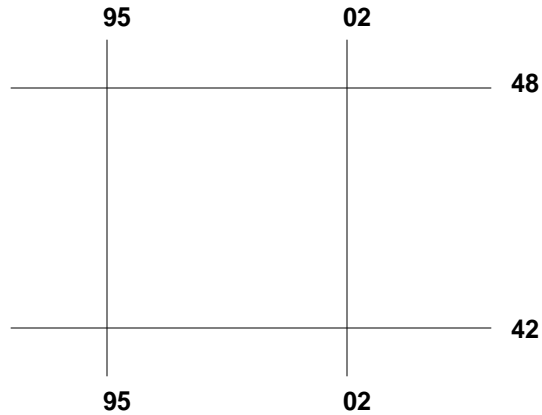


Fig 1B

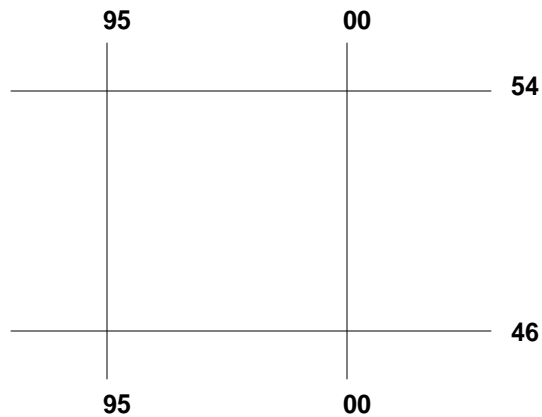
24. **Describe** and **account for** the **pattern** of the settlement found north of grid line 44 and west of grid line 01. [3]
25. **Describe** the **physical landscape** found in the area shown below: [3]



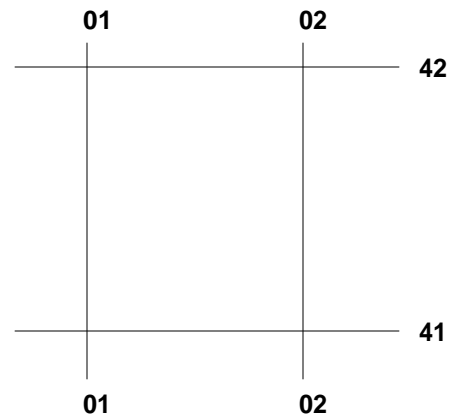
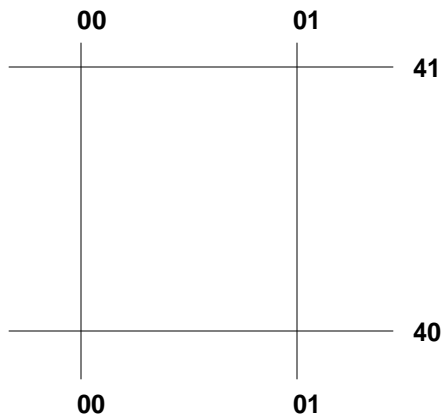
26. **Describe** the **relief** of the area shown in the diagram below. [3]



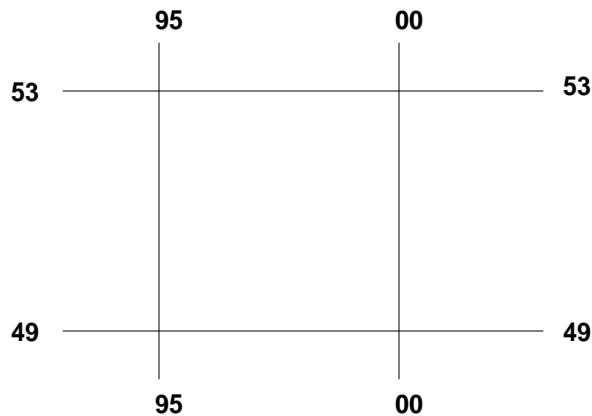
27. **Describe** the transport network in the area bounded by easting 06 and 09, and northing 50 and 52. [3]
28. **Describe** the physical and human landscape that a man may pass by if he was to travel south from the town of Rusape to Arbeid Estate at grid square 1040. [4]
29. **Identify** and **account for** the settlement pattern in the Chiduku Communal Land. [4]
30. Study the distribution of huts in the area bounded by easting 00 and 05, northing 39 and 43. Which arrangement of huts is shown in the area? **Explain** why such an arrangement is present. [4]
31. **Describe** and give reasons for the settlement pattern in the northwest corner of the map extract as defined below. [4]



32. **State** the direction flow of Rusape River and explain why it is difficult to use this river for transportation.[4]
33. **Compare** and **comment** on the drainage density shown below. [4]



34. With reference to the map evidence, describe and explain the **human** and **physical factors** that could account for the **growth of Rusape town**. [4]
35. **Describe** and **explain** the **patterns of settlement** located in the region west of easting 00 and north of northing 45. [4]
36. With reference to the area on the map shown by the grid square below



- (i) **State** the **main patterns** of the **settlements** shown. [1]
- (ii) **Explain** the **physical** and **human factors** which have influenced the settlement patterns. [3]
37. **Describe** the **physical features** of the Rusape River. [5]
38. A tourist is walking down from the top of the Mountain at Runyange (0441) towards the top of a Mountain at 116429.
- (i) **State** the **height** where the tourist stops walking. [1]
- (ii) **Calculate** the **straight-line distance** between the two mountains. [1]
- (iii) With reference to the map evidence, **describe** the **change in the landuse** as the tourist traverse the landscapes during his journey. [4]
39. Examine the area west of the Rusape River and answer the following questions
- (i) **Account for** the **distribution** of the cultivated areas in this area. [3]
- (ii) **Describe** and **account for** the main settlement pattern found in this area. [3]

## Map 7: Savanna La Mar Content Page

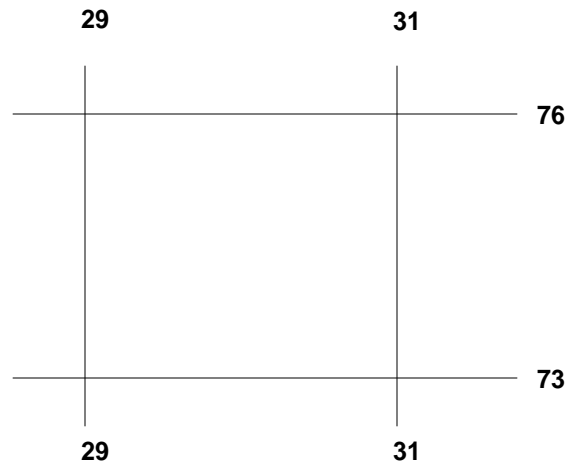
Students are to fill in the details in this content page whenever they are given map reading questions from **map 7-Savanna La Mar**.

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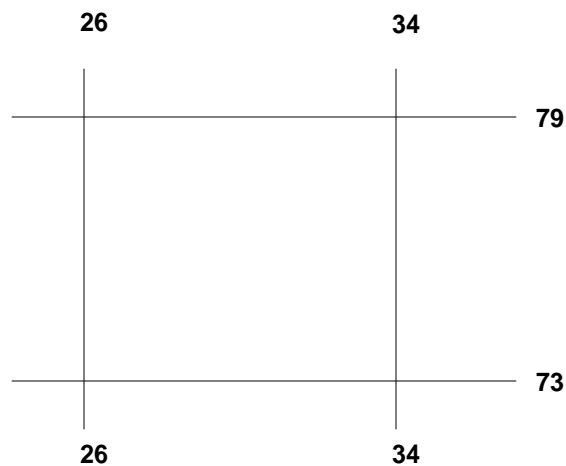
## **Map 7: Savanna La Mar (1:50,000)**

1. **What** is the **distance**, by Class C road, from the market at Little London, to the Old Hope Wharf where it meets the coast? [1]
2. **What** is the **six figure grid reference** of the bridge where the class A road crosses Cabarita River, between the settlements Little London (2177) and Savanna La Mar? [1]
3. A motor boat sets off the mouth of River Styx (2473) to go to the corals in grid square 2872. **What** is the **bearing** on which the boat would travel? [1]
4. **What** is the **bearing** of Bath Pen Factory from Cabarita River mouth? [1]
5. **State** the **bearing** of the cross roads at 195866 from the cross roads at 231871. [1]
6. A motor boat sets off North Negril Point (078894) to go to the small island of Bobby Cay (074878). **What** is the approximate **grid bearing** on which the boat would travel? [1]
7. A man is standing at the post office (0781) at Negril, overlooking the small island of Booby Cay (0787)
  - (i) State the **direction** of Booby cay from the post office. [1]
  - (ii) Calculate the **straight-line distance** between these two places in km. [1]
8. **Explain** the difference in the **settlement density** between Grange Hill (2484) and Eard Ley (1684). [2]
9. **Calculate** the **gradient** of the roads from the cross roads at 195866 to the cross roads at 231871. [2]
10. **What** is the **gradient** of the Class B road between grid reference 179840 and grid reference 170847? [2]
11. **What** is the **gradient** of the Class 'C' Road from the cross-section at 230871 to the cross-section at 195866? [2]
12. **What** is the **average gradient** of the Class C road between (100766) and (090779)? [2]
13. **Calculate** the straight-line **gradient** of the land between Moreland trigonometrical station (185856) and the road junction at Cave Valley (153864). [2]
14. **Explain** why and how the **drainage system** in this area can be improved. [2]
15. **Describe** the **physical landscape** in the north-eastern part of the mark, bounded by Northing 86 and Easting 24. [2]
16. **Describe** the Cabarita River in the east of the map and the **relief** of the land in which it is flowing. [2]
17. Using **map evidences**, show that the country is involved in **primary and secondary industries**. [2]
18. **Account** for the **direction** in which the town of Savanna-La-Mar in the south-west is expanding. [2]

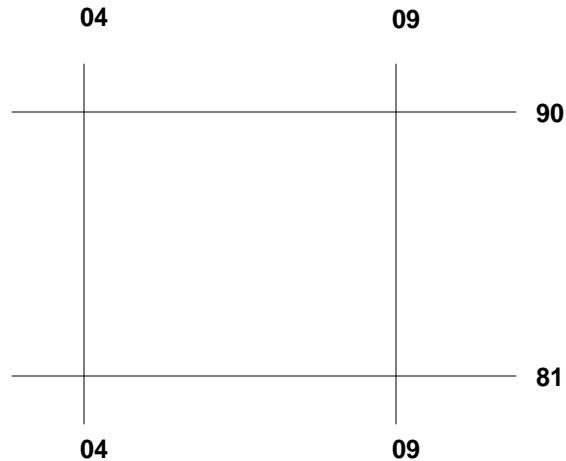
19. **Account for the settlement pattern** in the western part of the map, bounded by eastings 05 and 09. [2]
20. **Describe the settlement patterns** west of gridline 28 and south of gridline 76. [2]
21. **Explain why are the roads going towards the north and north eastern directions** from Savanna La Mar? [2]
22. **Describe the settlement pattern and distribution** found in the region shown below: [3]



23. **Explain the available infrastructures and facilities** that could attract tourists to Savanna-La-Mar. [3]
24. **Explain how physical factors** can encourage the cultivation of rice found in the region shown below.

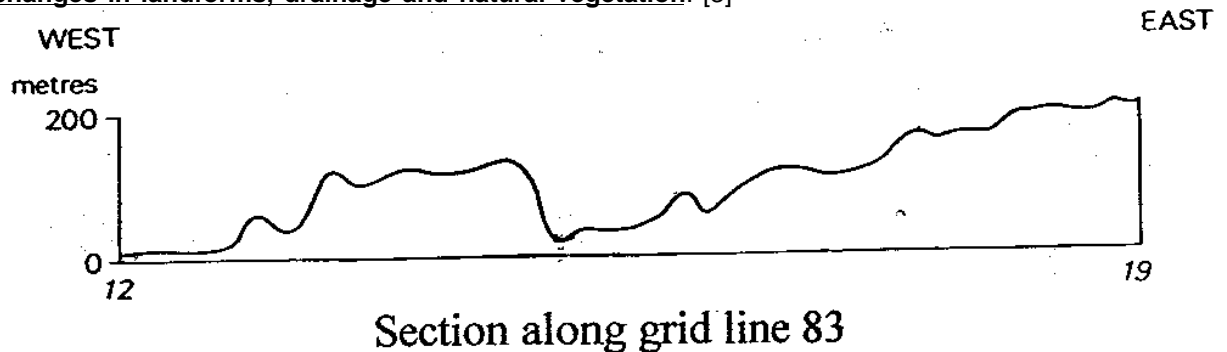


25. **Describe the relief** of the area in the northwest corner of the map extract as defined below: [3]



26. Describe the **changes in landscape** along northing 74 between easting 29 to 34. [3]

27. On the sketch section drawn along grid line 83 from west to east, **add labels** to show the **changes in landforms, drainage and natural vegetation**. [3]



28. State the **map evidences** which show: [4]

- (i) that Savanna La Mar would not be an ideal location for a port.
- (ii) the presence of animal farming.

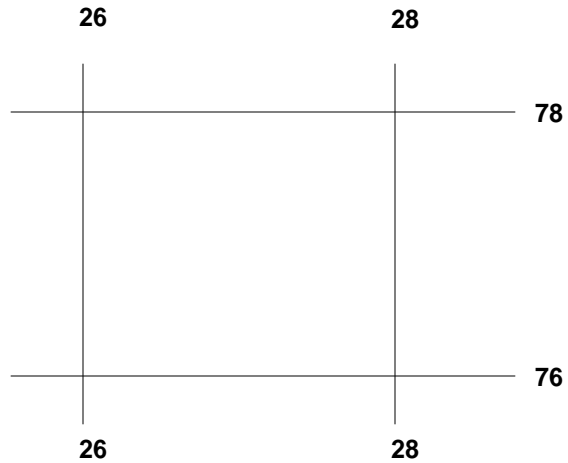
29.

- (i) **What** do you consider to be the **main economic activity** along the coast of Long bay? Cite map evidence to support your answer. [2]
- (ii) **How** can you further **promote this economic activity** along the coast of Long Bay? [2]

30. A trekker is traveling along the road from Little London (2177) towards Savanna La Mar. Describe the **changes of landuse** that the trekker sees from Little London to Savanna La Mar. [4]

31. Explain how **relief** has influenced how land is used in this region. [4]

32. Describe the **landuse** and **drainage** of the area found in the region below. [4]



33. Using map evidence only, **describe** the settlement pattern and the economic activities that have led to the growth of town of Savanna La Mar. [5]

34. **Describe** and **account for** the [6]

- Relief
- Drainage network
- Transport network of the agricultural area found in the east of northing 19.

## Map 8: Victoria Falls Content Page

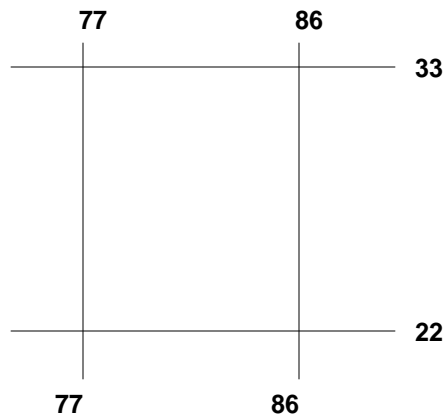
Students are to fill in the details in this content page whenever they are given map reading questions from **map 8- Victoria Falls**.

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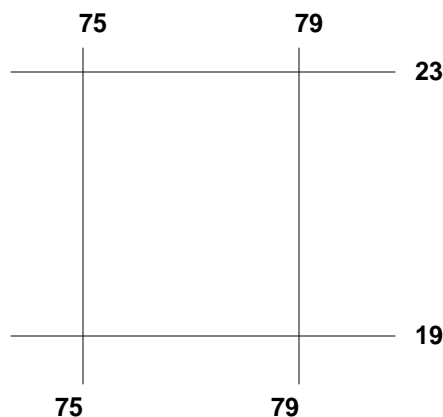
**Map 8: Victoria Falls (1:50,000)**

1. State the **six-figure grid reference** of the view point overlooking the Victoria Falls National Park in the southwest portion of the map. [1]
2. **State** the general **direction** flow of Zambezi River. [1]
3. **State** the **six-figure grid reference** of the trigonometrical station at the north of the Zambezi National Park. [1]
4. A student who has climbed to the top of the Big Tree (7719) can see a light aircraft on an aerodrome landing area about 2.5km away. In which **direction** is the student looking? [1]
5. **What** is the grid **bearing** of the spot height in 7219 from the trigonometrical station in 7519? [1]
6. **What** is the **bearing** of the Big Tree (773193) from Libuyu (816258)? [1]
7. **What** is the **six-figure grid reference** of the railway bridge over the Maramba River? [1]
8. **What** is the **six-figure grid reference** of the railway bridge over the Zambezi River? [1]
9. **What** is the grid **bearing** of the power line from 815205 to where it crosses the Maramba River at 822244? [1]
10. **What** is the greatest **straight-line distance** across the Lwando island in grid square 7521? [1]
11. Standing atop the trigonometrical station at 756177, a tourist looked through his binoculars and found a good example of a linear settlement located about 4 km away. At **which bearing** was the tourist facing? [1]
12. A railway connects Livingstone with Victoria Falls. At Livingstone another railway joins from the west. **What** is the **length** of this railway between eastings 76 and 78? [1]
13. Refer to the northeastern corner of the map as defined below.

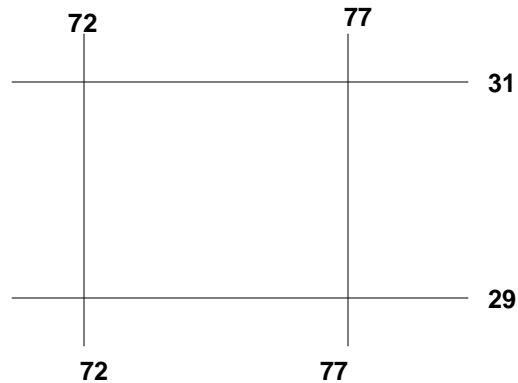


- (i) In which **direction** is the **tributary** Maramba flowing? [1]
- (ii) Identify the **drainage pattern** in the area. [1]

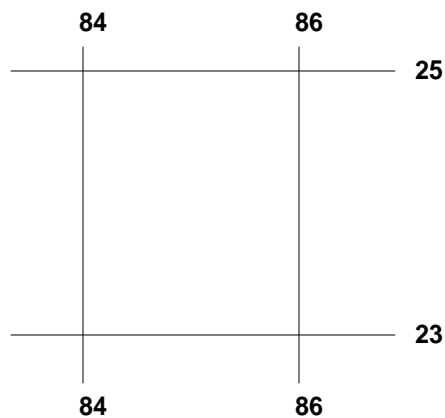
14. **What** is the **straight-line distance** and **direction** of the Big Tree (7719) from the Crocodile Farm (7420)? [2]
15. **Calculate** the **average gradient** of the wide tarred road from the junction at 735279 to the bridge at 776279. [2]
16. What is the average **gradient** along the wide tarred road between grid line 14 and grid line 16? [2]
17. **Calculate** the **gradient** of the road at 722174 to 756169. [2]
18. **Calculate** the **distance** and average **gradient** between the quarry located in 7014 and the trigonometrical station in 7219. [2]
19. **Calculate** the average **gradient** of the road between the motel at 760174 and the mine dump at 750114. [2]
20. What is the **direction** and **distance** in metres of the Game Park Entrance Gate in grid square 7313 from the main trigonometrical station at 7519. [2]
21. How have **physical factors** influenced the **layout** of the railway in the map extract? [2]
22. Suggest **factors** that have contributed to the growth of Livingstone as a large town. [2]
23. **Suggest** reasons why the settlement of Livingstone has developed more extensively than Victoria Falls. [2]
24. Study the area in the map extract as shown below. State the **two tourist amenities** and give their six figure grid references. [2]



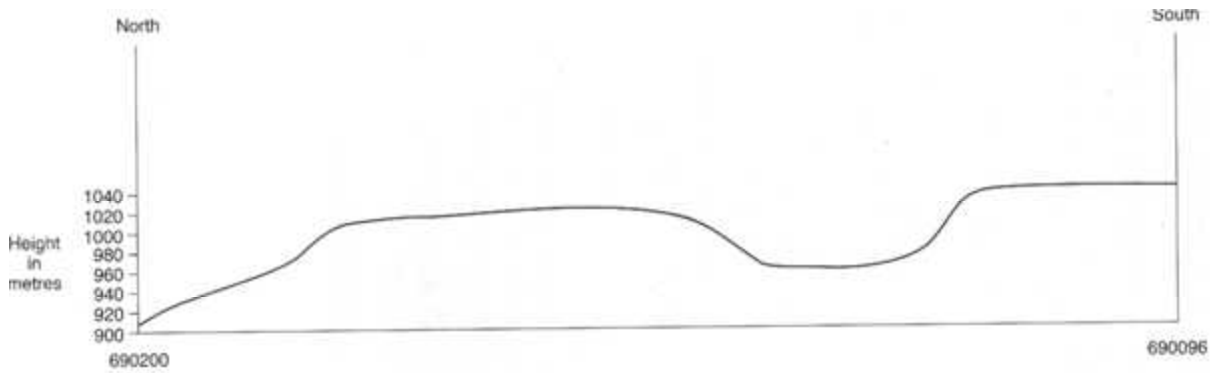
25. What is the **main economic activity** found in areas bounded by easting 73 and 76 and northing 20 and 22? Please give map evidence to explain your answer. [2]
26. **Explain** why Livingstone Airport is located within the grid square shown below? [2]



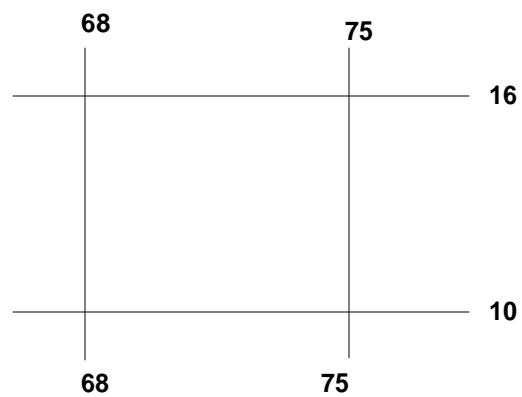
27. **State** the facilities for **leisure and tourism** in and around the settlement called Victoria Falls. [3]
28. Study the area south of Northing 22. Explain the **importance** of the **Zambezi River** to the people of Victoria Falls and Livingstone. Use evidences from the map to support your answer. [3]
29. **State** and **give reasons** for the **drainage** in the north-eastern part of the map bounded by easting 81 and northing 19. [3]
- 30.
- (a) Study the grid square 8424 and **identify** the **drainage pattern**. [1]
- (b) Refer to the area of the map shown below, locate and **cite a four-figure grid reference** of an area with the **lowest drainage density**. Explain your answer. [2]



31. Study the settlement pattern of Livingstone district. **Account** for the reasons that lead to the growth of the district. [3]
32. On the sketch section below drawn along grid line 69 from 690200 to the southern edge of the map, add labels to show the changes in **landforms**, **drainage** and **natural vegetation**. [3]

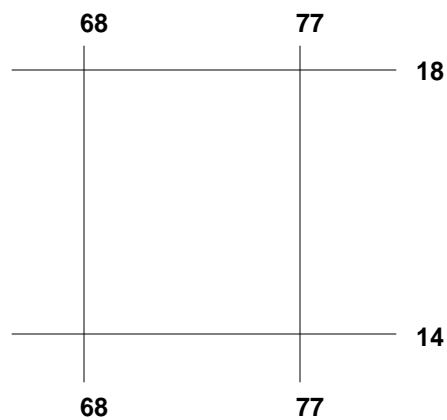


33. **Identify** and **describe** the **drainage pattern** in the south-western region of the map extract as shown in the area below. [3]

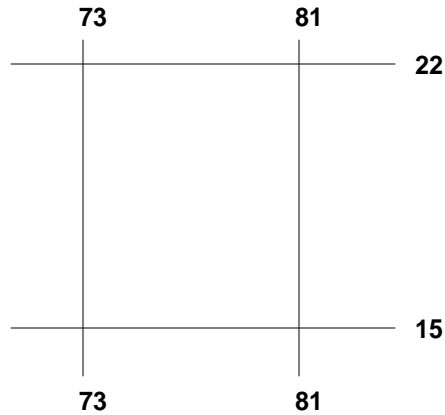


34. **Describe** the **relief** and **drainage** of the area in the south east of the map bounded by easting 80 and northing 20. [3]

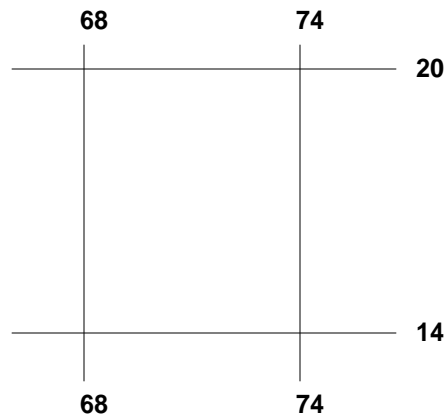
35. **Describe** the **relief** of the area found in the area below. [3]



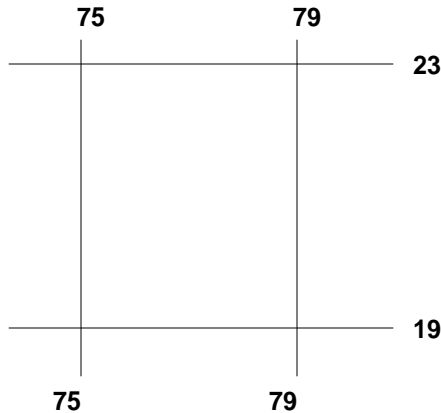
36. **Explain** how **physical** and **human factors** have influenced the **settlement patterns** found in the area shown below.



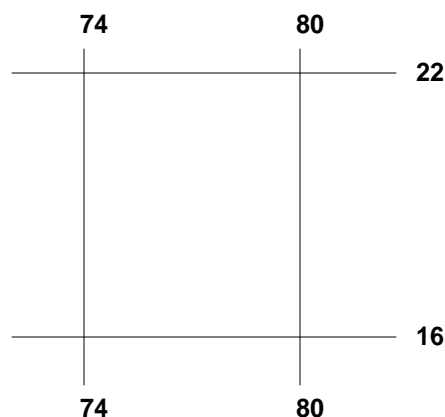
37. **State and give reasons** for the **distribution of settlement** in the northern area of the map extract bounded by easting 72 and northing 23. [3]
38. **Describe** the **transport network** in Victoria Falls. [3]
39. Study the area of the map bounded by easting 76 and 81 and northing 16 and 23, **account** for the **location** and **pattern** of the settlement at Victoria Falls. [3]
40. Using **evidence from the map** only, **suggest** reasons why **no settlement** is located in the area shown below. [3]



41. Study the area in the map extract as shown below. **Describe** the **location** and **pattern** of the settlement. [3]



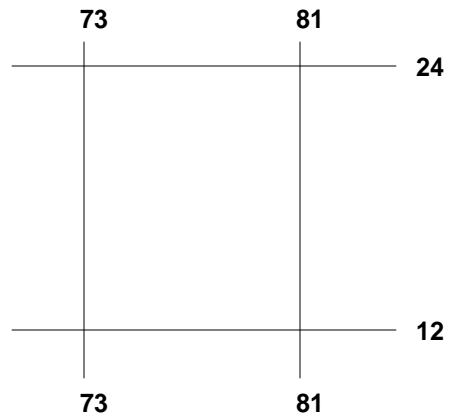
42. Using **map evidence**, **state** ways in which
- the river Zambezi offers opportunities for **human activities** other than tourism. [2]
  - the river Zambezi's course has caused **hazards and problems** to human activities. [2]
43. **What** are the **economic activities** found in the settlement of Victoria Falls? Support your answer with map evidences. [4]
44. **Describe** the **relief** of the area to the north-west of the map extract bounded by the river and the railway track. [4]
45. Using map evidence only, **list** one **attraction** and one **amenity** provided for the tourists of Victoria Falls district. **Comment** on the **accessibility** of the **attraction** and **amenity** that you have identified.
46. Does Victoria Falls area, found in the southwest of the map, enjoy a high level of development? **Explain** your answer. [4]
47. Study the area in the map extract as shown below. **Account for** the **development** of the area using **map evidence(s)**. [4]



48. Using **map evidence** only, **describe** the **physical** and **human factors** which make the area suitable for the development of tourism. [4]
49. **Describe** the **relief**, **drainage** and **natural vegetation** of the area bounded by easting 68-74 and northing 27-30. [6]

50.

- (i) **Describe** the river features found in the region shown below. [3]
- (ii) **Explain** how these features have affected the economic activities found in the region. [4]



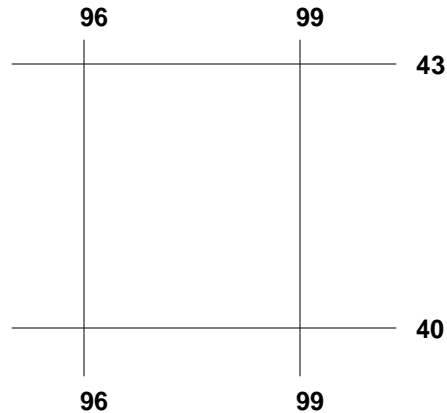
## Map 9: **Zvishavane** Content Page

Students are to fill in the details in this content page whenever they are given map reading questions from **map 9-Zvishavane**.

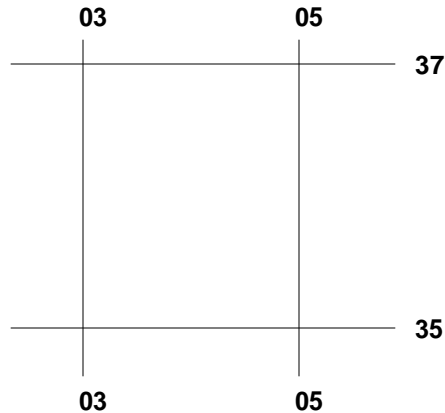
Question	To be completed by	Remarks
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### **Map 9: Zvishavane (1:50,000)**

1. In **which grid square** of the bridge carrying a road over the River Shavi near the center of the map? [1]
2. **State** the **six figure grid reference** of Jona Mantshontsho Dam in the south east of the map. [1]
3. **What** is the **grid reference** of the trigonometrical station located at the top of Mount Manjere near northing 40? [1]
4. **What** is the **grid reference** of the reservoir nearest to the Van Bredas Dam located just south of northing 52? [1]
5. **What** is the **length** of the golf course (9246) next to Spring Valley farm? [1]
6. **What** is the **distance** southwards along the gravel road from the bridge over the Shavi River at grid reference 985432 to the place where it first crosses a power line? [1]
7. A canoeist decides to canoe along River Shavi. If he starts at the weir (924465) next to the golf course and travels south east and ends at the bridge. **Calculate** the **distance** traveled. [1]
8. **State** the **bearing** of the ruins at grid square 9350 from the top of Mount Samanye at grid square 0046. [1]
9. **What** is the **drainage pattern** in the area bounded by easting 90 to 92 and northing 35 to 37? [1]
10. **What** is the shortest **distance** and **direction** of the Ruins from the Derelict building (9843)? [2]
11. An athlete runs from home in Zvishavane into the nearby hills of the Prince of Wales Range and climbs to the highest point of Poromora. From its summit, the athlete observes a distant hill located at grid reference 902427.
  - (i) In what **direction** is the athlete looking? [1]
  - (ii) What is the **shortest distance** between the two hill summits? [1]
12. Standing atop of Manjere Mountain at the southeastern part of the map, a tourist looked through his binoculars and found a good example of linear settlement located between five and six kilometres away. At which **direction** and **bearing** was the tourist facing? [2]
13. **What** is the **length** of the river between the two weirs found at 964450 and 996433 and in what general **direction** is this stretch of river flowing? [2]
14. In **which direction** is River Shavi flowing? Give **evidence** to support your answer. [2]
15. Refer to the map extract below,



- (i) **Name** the **physical landform** that covers the area shown above. [1]
- (ii) **State** the type of **vegetation** that covers the area shown above. [1]
16. **Describe** the **relief** of the area in the southwest of the map extract bounded by easting 00 and northing 42. [3]
17. **Why** are **settlements** absent in the southwest area, bounded by easting 95 and northing 45? [3]
18. **Describe** the **relief** of the area to the east of easting 94 and to the south of northing 46. [3]
19. **Describe** the **relief** of the area to the easting 96 and 00 and the northing of 42 and 45. [3]
20. **State** the **map evidence** of mining and industry in the **settlement** of Zvishavane in the northwest of the map extract. [3]
21. **Describe** the **function** of the settlement of Zvishavane. [3]
22. **Explain** why there is a lack of cultivated land in the southwest corner of the map between easting 01 and northing 42. [3]
23. **Account** for the **distribution** and **pattern** of the **transport network** to the west of easting 96. Support your answer with evidence from the map.
24. **Describe** and **explain** the **settlement pattern** of Zvishavane. [3]
25. **Explain** why the North Eastern and South Western part of the map do not attract settlements. [3]
26. **What factors** have contributed to Zvishavane to become the largest settlement in this map? [3]
27. Study the area bounded by easting 90 and 92 and northing 46 and 53, Identify the **function** of the town of Zvishavane and **give evidences** to support your answer. [3]
- 28.
- (a) **Describe** the **location** and **pattern** of the settlement, and the **main economic landuse** found in the region shown below. [3]



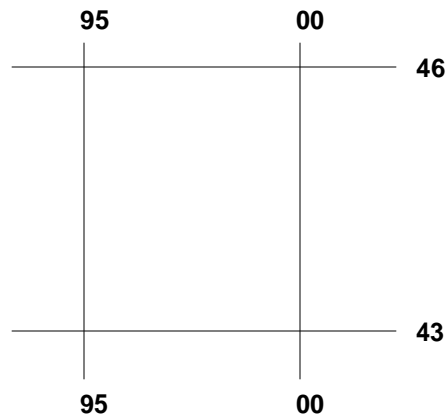
(b) Describe how the **land communication system** in the region shown above is different from that in the town of Zvishavane. [3]

29. With reference to the settlement of Zvishavane (in the north-western corner of the map extract), and based on **map evidence** where appropriate,

- (i) **State** the main **pattern of settlement** in Zvishavane. [1]
- (ii) **Explain** how the **physical factors** have influenced the **location** and **pattern** of the **settlement**. [3]

30. **Describe** the **relief** and **drainage** of the south-east area, bounded by easting 99 and northing 45. [4]

31. With reference to **map evidence**, **describe** and **explain** how River Shavi has been important to the livelihood of the people in the region shown below. [4]



32. **Explain** why Zvishavane is more developed than the surrounding area. [4]

33. **State** and **give** reasons for the **distribution of settlement** in the southeast area of the map extract bounded by easting 00 and northing 40. [4]