GENERAL EDUCATION AND TRAINING

SOCIAL SCIENCES

GEOGRAPHY

PAPER 1

FINAL EXAMINATION

NOVEMBER 2014

GRADE 8

MARKS: 50

DURATION: 1 HOUR
INSTRUCTIONS AND INFORMATION:

1. This paper consists of TWO sections, namely SECTION A for Map Work Skills and SECTION B for Geography.

2. All questions must be answered.

3. Study all the sources and texts provided carefully because they contain many clues that will help in answering the questions.

4. Note the mark allocation for each question to guide you how to answer.

5. Write neatly and legibly.

6. Please leave a line open after each question.

7. This paper consists of 8 pages including the cover page.
SECTION A: MAPWORK

QUESTION 1:

1.1 Use SOURCE 1A and your own knowledge to answer the following questions.

**SOURCE 1A**

1.1.1 Explain the term “line of latitude” 

1.1.2 What do we call the 0° latitude line?

1.1.3 Name the types of lines at F and G respectively.

1.1.4 Supply TWO functions/characteristics of the type of line at F.

1.1.5 Supply the co-ordinates of X where the lines cross.

1.1.6 The scale of SOURCE 1A is 1:50 000. Explain in words what this means.

1.1.7 If SOURCE 1A is compared with a 1:250 000 topographical map, which of the two will be viewed as a SMALL SCALE map?
1.1.8 The distance between point J and K is \(2.5\text{cm}\). Calculate the actual distance in \(\text{km}\). Show all calculations. (Remember the scale is 1:50 000) 

\[(4\times1=4)\]

1.2 Study **SOURCE 1B** and answer the questions that follow:

**SOURCE 1B**

1.2.1 Name the hemisphere at A. 
1.2.2 Explain the term ‘Summer Solstice’ in the Southern hemisphere. 
1.2.3 Explain how the earth's tilt as depicted by B, causes winter in the Southern hemisphere.

\[(1\times1=1)\]

\[(1\times1=1)\]

\[(2\times2=4)\]

\[(6)\]

\[(30)\]
SECTION B

QUESTION 2

Key question: Which natural phenomenon influences rainfall and temperature?

2.1 Use SOURCE 2A and your own knowledge to answer the following questions:

SOURCE 2A

(Adapted from: Platinum Geography. Bornman et al. 2012)

2.1.1 Name the sides of the mountain identified as A and B respectively, with respect to rainfall. (2x1=2)

2.1.2 What part of the mountain is the coldest, D or C? Supply only the letter e.g. 2.1.2 E. (1x2=2)

2.1.3 Supply ONE reason for your answer in QUESTION 2.1.2. (1x2=2)

2.1.4 Which side of the mountain is the wettest, A or B? Supply only the correct letter e.g. 2.1.4 E. (1x2=2)

2.1.5 Supply TWO reasons for your answer in QUESTION 2.1.4 (2x1=2)
2.2 Study **SOURCE 2B** which deals with urban settlements and answer the questions that follow:

**Key question:** What are the different forms of land use in settlements?

**SOURCE 2B**

(Adapted from: *In Search of Social Sciences. Bottaro et al. 2007*)

2.2.1 What is an ‘urban settlement?’

2.2.2 Supply the letter of the Central Business District which is linked to the settlement in **SOURCE 2B**.

2.2.3 Choose the correct answer. Write the letter of the correct answer next to the question number e.g. 2.2.3.1 D

2.2.3.1 The land use zone at 2 is:
A. Central Business District
B. Light Industry
C. Rural Urban Fringe
D. Zone of decay

2.2.3.2 The land use zone at 4 is:
A. Recreation Area
B. Heavy Industry
C. Middle Income Residential
D. Rural Urban Fringe
2.2.4 At which land use zone in SOURCE 2B will one be able to practice a recreational activity? Supply only the number e.g. (1x2=2)

2.2.4 5

QUESTION 3:

3.1 Use SOURCE 3A and your own knowledge to answer the following questions:

SOURCE 3A

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(Adapted from: Successful Social Sciences. Bottaro et al. 2013)

3.1.1 What is a "harbour"? (1x2=2)

3.1.2 Supply the name of the Cargo Port that exports most cargo and is situated on the East coast of South Africa. (1x2=2)

3.1.3 There is a railway line built to transport iron ore from Sishen to Saldanha. Supply ONE reason why this railway line is so straight. (1x2=2)
3.1.4 Supply the name of South Africa’s most important North-South road link. (1x2=2)

3.1.5 Oliver Tambo is South Africa’s busiest International Airport. In which province is this airport situated? (1x2=2)

3.1.6 South Africa’s transport network is currently under great pressure to handle the increasing number of vehicles. Write a paragraph in which you outline the negative impact of road transport. (5x1=5)

3.2 Study SOURCE 3B which deals with the different types of transport in urban areas and answer the questions which follow. (15)

**SOURCE 3B**

- **PUBLIC TRANSPORT IN AN URBAN AREA**

(Adapted from: *Social Sciences Today. Earle et al. 2005*)

3.2.1 What is ‘public transport?’ (1x2=2)

3.2.2 What do we call the passenger who makes use of public transport on a daily basis? (1x2=2)

3.2.3 What, according to SOURCE 3B is transported the most: Cargo or passengers? (1x2=2)

3.2.4 Name the mode of transport which is used most during the first eight hours of a day. (1x2=2)

3.2.5 Which mode of transport can be added or improved to lessen the number of motor vehicles in the city. (1x2=2)

(10)

**GRAND TOTAL:** 75
GENERAL EDUCATION AND TRAINING

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PAPER 1

MARKING GUIDELINE

NOVEMBER 2014

GRADE 8

MARKS: 75

TIME: 90 MIN
QUESTION 1

1.1

1.1.1 Latitudes are lines all around the globe running parallel to the equator. \(\sqrt{\ }\) Indicate a place north or south of the equator. \(\sqrt{\ }\) \text{(ANY ONE)} \(1x2=2\)

1.1.2 Equator \(\sqrt{\ }\) \(1x2=2\)

1.1.3 \(G = \text{Latitude} \sqrt{\ }\)
\(F = \text{Longitude} \sqrt{\ }\) \(2x2=4\)

1.1.4 - Joins the North and South Poles. \(\sqrt{\ }\)
- Indicates if the place is east or west of the Greenwich line/in the eastern or western hemispheres. \(\sqrt{\ }\) \(2x1=2\)

1.1.5 34°49' South 20°02' East \(4x1=4\)

1.1.6 It means that reality is reduced 50 000 times on the map \(\sqrt{\ }\) and that 1cm on the map is equal to 50 000 cm on the ground/real life representation \(\sqrt{\ }\) \(2x2=4\)

1.1.7 The 1:250 000 map \(1x2=2\)

1.1.8 \(2.5 \text{ cm} \times 50 \text{ 000} = \frac{125 \text{ 000}}{100 \text{ 000}} = 1.25 \text{ km} \) \(4x1=4\) \(24\)

1.2

1.2.1 Southern Hemisphere \(1x1=1\)

1.2.2 The rays of the sun shine at right angles to the Tropic of Capricorn, and it is summer in the southern hemisphere. \(\sqrt{\ }\) \(1x1=1\)

1.2.3 The tilt of the earth means that the rays of the sun are directly over the Tropic of Cancer but are at a very steep angle on the Tropic of Capricorn. \(\sqrt{\ }\) \(\sqrt{\ }\) The sun's rays are less concentrated in the southern hemisphere and then it's winter there. \(\sqrt{\ }\) \(\sqrt{\ }\) \(2x2=4\) \(6\)

QUESTION 2

2.1

2.1.1 A = Windward side \(\sqrt{\ }\)
B = Leeward \(\sqrt{\ }\) \(2x1=2\)

2.1.2 C \(\sqrt{\ }\) \(1x2=2\)

2.1.3 Temperature drops with increase in height \(\sqrt{\ }\) \(1x2=2\)
2.1.4 A √√ (1x2=2)

2.1.5 Moist winds from the sea blowing against the windward side of mountain. A. The air on the windward side rises, cools, condenses and then it rains there. √ Clouds that move over the mountain have less moisture and therefore less rainfall at B √ (2x1=2)

2.2

2.2.1 It's an urban area with more than one type of function and many different services and land uses. √ (1x2=2)

2.2.2 1 √√ (1x2=2)

2.2.3 1 √√ (1x2=2)
2.2.3.1 2 = Light Industrial Zone √√ (1x2=2)
2.2.3.2 4= Middle Income residential √√ (1x2=2)
2.2.4 No 7 √√ (1x2=2)

(10)

QUESTION 3

3.1

3.1.1 It is a natural or man-made place where ships may shelter in bad weather or where goods or passengers on ships can be offloaded or loaded or embark or disembark √√ (1x2=2)

3.1.2 Richards Bay √√ (1x2=2)

3.1.3 The area is very flat √√ (1x2=2)

3.1.4 The N1 highway √√ (1x2=2)

3.1.5 Gauteng √√ (1x2=2)

3.1.6 - Road transport produces more pollution than rail transport √
- Heavy and overloaded trucks slow down traffic and adds to traffic congestion. √
- Road transport is expensive to transport light/ small loads over long distances. √
- The development and maintenance of roads are more expensive than rail √
- There are more road accidents than rail and airplane crashes. √
- The development of road network connections has a greater impact on the environment than rail and air transport. √

(ANY FIVE.) (Any other relevant answer) (5x1=5)

(15)
3.2

3.2.1 It is a transportation system that can be used by any person for a form of payment. Usually provided by a government or city council √√ (1X2=2)

3.2.2 Commuters √√ (1x2=2)

3.2.3 Passengers √√ (1x2=2)

3.2.4 Cars √√ (1x2=2)

3.2.5 Trains and Busses √√ (1x2=2)

GRAND TOTAL: 75