SENIOR SECONDARY IMPROVEMENT PROGRAMME 2013



GRADE 12

GEOGRAPHY

LEARNER HOMEWORK SOLUTIONS





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LEARNER HOMEWORK SOLUTIONS

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GEOGRAPHY GRADE 12 PROGRAMME SESSION 12 (HOMEWORK

HOMEWORK SOLUTIONS: SESSION 12

TOPIC: PEOPLE AND PLACES - PROCESSES AND SPATIAL PATTERNS

QUESTION 1

1.1	Number of functions and population size $\sqrt{}$	(1 x 2) (2)
1.2	Hamlets have fewer functions and population size $\sqrt{}$	(1 x 2) (2)
1.3	A village has a smaller population than a city $\sqrt{}$	(1 x 2) (2)
1.4	Hamlets or villages $\sqrt{}$ as they are the smallest $\sqrt{}$	(2 x 2) (4)
		[10]

QUESTION 2

2.1 X – scattered / dispersed $\sqrt{\sqrt{}}$

Y – clustered / nucleated $\sqrt{\sqrt{}}$

 $Z - linear \sqrt{\sqrt{}}$ (3 x 2) (6)

2.2 X – settlements occur over a wide / extensive area $\sqrt{}$

Y – settlements are confined to a smaller area and occur close together

Z – settlements occur in rows (lines) next to each other $\sqrt{\sqrt{(3 \times 2)}}$ (3 x 2) (6)

2.3 X – relief / high- lying area $\sqrt{\sqrt{}}$

Y – at transport crossing $\sqrt{\sqrt{}}$

Z – alongside roads at lower lying areas $\sqrt{\sqrt{(3 \times 2)}}$ (3 x 2) (6)

2.4 Settlement Y: economic disadvantages

No independent decision-making√√

Cannot show individual initiative √√

Fields are scattered – time wasting√√

Machinery must be shared√√

Difficult to be economically successful√√ [Any TWO]

Settlement X: economic advantages

- Farmer works for self, keeps own profits $\sqrt{\sqrt{}}$
- More efficient√√
- Can use own single tract of land√√
- Can maximise use of machinery (no need to share) $\sqrt{\sqrt{}}$

[Any TWO] (4 x 2) (8)

2.5 Live close together:

- Daily social contact√√
- Community involvement
- Protection √√
- Sharing of ideas√√
- Helping each other $\sqrt{\sqrt{(1 \times 2)}}$ [Any ONE] (1 x 2) (2)

[28]

GEOGRAPHY GRADE 12 SESSION 12 (HOMEWORK SOLUTIONS)

QUESTION 3

3.1 Site of a settlement refers to the exact piece of land $\sqrt{\sqrt{}}$ which is occupied by a settlement and the physical nature of that terrain: relief, soil characteristics, drainage.

Situation of a settlement is a broader concept referring to the relationship of The settlement with its immediate environment $\sqrt{\sqrt{ (how it is situated with respect to the general relief of the area, traffic routes, and the type of soil). (2 x 2) (4)$

3.2 3.2.1 D√√

3.2.2 AVV

3.2.3 E√√

3.2.4 B√√

3.2.5 A√√

3.2.6 $C\sqrt{\sqrt{12}}$

3.3 Danger of flooding – flood plain√√
Marshes are present – difficult to practise farming or construct buildings –

very costly to drain marshes $\sqrt{\sqrt{}}$ Breeding ground for insects $\sqrt{\sqrt{}}$

[Any TWO] $(2 \times 1) (2)$

3.4 3.4.1 linear $\sqrt{\sqrt{ }}$ (1 x 2) (2)

3.4.2 The forests / woodlands would be cleared – deforestation would result in less oxygen. $\sqrt{\sqrt{}}$ The river water near E could become polluted. Its water would be used by the inhabitants of settlement E. $\sqrt{\sqrt{}}$ Ecosystems would be affected $\sqrt{\sqrt{}}$

[Any TWO] (2 x 2) (4)

[24]

GRADE 12

SESSION 13

(LEARNER HOMEWORK SOLUTIONS)

SOLUTIONS TO HOMEWORK: SESSION 13

TOPIC 1: TRANSPORT AND TRADE - THE IMPORTANCE AND CHALLENGES OF

THE INFORMAL SECTOR

TOPIC 2: GLOBALISATION AND TRADE. FOOD SECURITY IN SOUTHERN AFRICA

QUESTION 1

1.1.1	J J J J J J J J J J	(1 x 2) (2)			
4.4.0	buy or build their own homes. $\sqrt{}$				
1.1.2	, 0				
1.2.1					
1.2.2	, , ,				
1.3.1					
1.3.2					
	People expect to receive housing $\sqrt{\sqrt{\rho}}$ people will protest if promises are not delivered $\sqrt{\rho}$ can lead to political unrest and blame/people feel cheated if				
	promises are not kept	(2 x 2) (4)			
1.4.1		, , , ,			
		(4 x 2) (8)			
1.4.2	The global economy is interconnected and global trade is easy $\sqrt{}$	(1 x 2) (2)			
1.4.3		, , , ,			
	provide better quality than others	(1 x 2) (2)			
1.4.4	· · · · · · · · · · · · · · · · · · ·	, , ,			
	resources√√	(1 x 2) (2)			
1.5.1	(a) He feels multi-national companies have the power to pay low	(/ (– /			
	wages $\sqrt{}$ and escape regulations in their own countries $\sqrt{}$	(2 x 2) (4)			
	(b) They can threaten to move their offices to another country if	(= // = / (· /			
	workers don't accept the lower wages. $\sqrt{}$	(1 x 2) (2)			
1.5.2	•	(1 X Z) (Z)			
1.0.2	sharing $\sqrt{\cdot}$.	(2 x 2) (4)			
	(b) Powerful country must not dominate the process $\sqrt{}$ and the wealth	(Z X Z) (4)			
	of smaller countries should not be drained. $\sqrt{}$	(2 x 2) (4)			
1.5.3		(2 x 2) (4)			
1.5.3		(4 × 2) (2)			
4 - 4	globalisation. $\sqrt{}$	(1 x 2) (2)			
1.5.4	, , ,				
	developed countries. $\sqrt{}$	(1 x 2) (2) [46]			



 $(2 \times 2) (4)$

 $(2 \times 2) (4)$

(2 x 2) (4) **[20]**

GEOGRAPHY		GRADE 12	SESSION 13	(LEARNER HOMEWORK SOLUTIONS	
QUES	STION 2				
2.1 2.2 2.3	includes an inc Approximately The difference imports $\sqrt{}$	rease in foreign t 15 times√√ in value between	rade√√ a country's visible	all over the world and it exports and visible	(1 x 2) (2) (1 x 2) (2) (1 x 2) (2)
2.4.1 2.4.2		na may be poorly in South Africa ha	v paid√√ ave lost their jobs√	J	(1 x 2) (2) (1 x 2) (2)
2.5	(Any two) Sign exports $\sqrt{}$ pror	a trade agreement and trade agreement and the the buying of	_	it will limit its clothing ducts through	(2 x 2) (4) [14]
QUESTION 3					
3.1 3.2	(Any ONE) The target bene	eficiaries are mor often the breadw	e at risk of experie	ntry and its citizens√√ ncing food insecurity√√ I children often don't	(1 x 2) (2)
3.3	Child-headed header $\sqrt{1}$. (any one of the		have no source of	income	(1 x 2) (2)
		a√√ it has no maj	jor cities		(2 x 2) (4)
3.4	(Any TWO) Encouraging pe eggs, milk or m		ir own food or prod	uce their own supply of	

Supporting rural development schemes by providing supplies and

Creating employment opportunities or ways of generating income

Using grey water (from the bath or washing up) in the garden

and groundwater√√ (which is pumped from boreholes)

Mulching the soil to reduce evaporation $\sqrt{\sqrt{}}$

Not using groundwater faster than it is replaced

3.5.1 Sources include: the Orange River $\sqrt{\sqrt{}}$ (for those people living in its vicinity)

Collecting and storing rainwater run-off from roofs in rainwater tanks√√



equipment√√

3.5.2 (Any TWO)

GEOGRAPHY GRADE 12 SESSION 14 (LEARNER HOMEWORK SOLUTIONS)

SOLUTIONS TO HOMEWORK: SESSION 14

TOPIC: EXAMINATION PAPER 1

QUESTION 1

1	1 1	l R₁	12

- 1.2 D√√
- 1.3 E√√
- 1.4 G√√
- 1.5 F√√

(5 x 2) [10]

QUESTION 2

- 2.1 True√√
- 2.2 False√√
- 2.3 False√√
- 2.4 True√√
- 2.5 True $\sqrt{\sqrt{(5 \times 2)}}$ [10]

QUESTION 3

- 3.1 Eye $\sqrt{\sqrt{(1 \times 2)}}$ (1 x 2) (2)
- 3.2 Centre of a hurricane where there is the lowest pressure $\sqrt{\sqrt{}}$ Sinking air prevents formation of clouds and rain $\sqrt{\sqrt{}}$ so it is an area of calm, clear conditions (2 x 2) (4)
- 3.3 Increase in rainfall over a short period of time $\sqrt{\sqrt{}}$ Wind speed increase to hurricane force speeds of over 200km/h $\sqrt{}\sqrt{}$ Pressure drops as centre of cyclone approaches Temperatures drop as rain cools conditions (2 x 2) (4)
- 3.4 Flooding from heavy rain√√ as well as storm surge from rising sea levels√√ along the coast. Excessive wind damage to property along beaches. (2 x 2) (4)

 [14]

QUESTION 4

- 4.1 HP cell over land which is common in winter due to lower level of this system√√
 Cold fronts about to hit Cape Town further north in winter√√
 Lower temperatures over the land e.g. 20°C
- Lower temperatures over the land e.g. 20°C (2 x 2) (4)
- 4.2 Overcast \sqrt{NW} wind $\sqrt{\sqrt{30}}$ knot wind, temperature 12°C, dew point temperature 10°C, pressure 1 000hPa (any two) (2 x 2) (4)
- 4.3 Cold front is over Marion island causing air to rise and form clouds so that is why it is overcast√√
 Temperatures are low due to cold polar air behind front√√
 - Strong pressure gradient so winds are 30 knots (2 x 2) (4)
- 4.4 HP cell over the interior $\sqrt{\sqrt{\ }}$ air is subsiding causing cloudless conditions due to stable air.

(1 x 2) (2)

[14]



GEOGRAPHY GRADE 12 SESSION 14 (LEARNER HOMEWORK SOLUTIONS)

QUESTION 5

5.1 (Any ONE)

Convectional thunderstorms $\sqrt{\sqrt{frontal}}$ systems/tropical cyclones

 $(1 \times 2)(2)$

5.2 Any six relevant individual facts in paragraph format.

Concrete and tar in urban areas do not allow infiltration of water to occur, so

there is an increased surface run-off causing sudden rises in river system

Move informal settlements away from river banks $\sqrt{\sqrt{}}$

People should be taught not to cross rivers during flood periods √√

People should be warned not to drive on roads that are flooded

Educate people as to when not to cross rivers or play near rivers $\sqrt{\sqrt{}}$

Fencing river banks in urban areas to prevent access $\sqrt{\sqrt{}}$

Protecting wetland areas, and preventing urban developments along rivers $\sqrt{\sqrt{}}$

(6 x 2) (12)

QUESTION 6

An area into which a river and its tributaries drain and from where the river 6.1 system gets its water√√ $(1 \times 2)(2)$

6.2 The area of highland separating two drainage basins $\sqrt{\sqrt{}}$ $(1 \times 2)(2)$

Q- river flows into the sea – mouth is where a river ends $\sqrt{\sqrt{}}$ (1 x 2) (2) 6.3

Has source in Drakensberg, which has lots of rainfall $\sqrt{\sqrt{}}$. Perennial river 6.4 flowing through very dry area so it is exotic to the region $\sqrt{\sqrt{}}$

 $(2 \times 2) (4)$

Dendritic $\sqrt{\sqrt{}}$ tree shaped pattern where all the tributaries join the main 6.5 trunk $\sqrt{1}$. Not dependent on the rock structure over which it flows.

 $(2 \times 2) (4)$

Advantages 6.6

Water can be stored $\sqrt{\sqrt{}}$

Can be used for household purposes $\sqrt{\sqrt{}}$

Can be used for irrigation $\sqrt{\sqrt{}}$

Can be used for industries √√

Infrastructural development $\sqrt{\sqrt{}}$

Economic advantages $\sqrt{\sqrt{}}$

Flood control $\sqrt{\sqrt{}}$

Periodic stream can become permanent $\sqrt{\sqrt{}}$

Recreational facilities and tourism $\sqrt{\sqrt{}}$

Disadvantages

Characteristics of the river channel will change $\sqrt{\sqrt{}}$

Lower reaches of the river may be dry most of the time $\sqrt{\sqrt{1}}$

People living in the lower reaches might not be able to practice crop farming √√

Flow characteristics of river will also change $\sqrt{\sqrt{}}$

Displacement of local inhabitants $\sqrt{\sqrt{}}$

Local ecosystems destroyed $\sqrt{\sqrt{}}$

[Accept other reasonable answers]

[Any **SIX**. Must give advantages and disadvantages]

(6 x 2) (12)

[26]



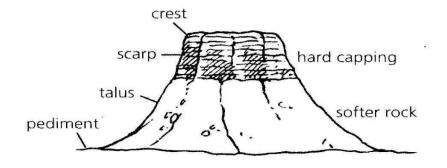
GRADE 12

SESSION 14

(LEARNER HOMEWORK SOLUTIONS)

QUESTION 7

7.1 Mesa $\sqrt{\sqrt{(1 \times 2)}}$ (1 x 2) (2)



7.2

(2 x 2) (4)

7.3 Labeled on the sketch map

(4 x 1) (4)

7.4 Any one of soil creep / landslides / rock falls $\sqrt{\sqrt{}}$ e.g. soil creep on talus slope – slow movement of top layer of soil down the slope. $\sqrt{\sqrt{}}$ (2 x 2) (4) [14]



GRADE 12

SESSION 15

(LEARNER HOMEWORK SOLUTIONS)

SOLUTIONS TO HOMEWORK: SESSION 15 TOPIC:

CONSOLIDATION – EXAMINATION PAPER 1

QUESTION 1

1.1

- 1.1.1 polar√√
- 1.1.2 mid-latitude√√
- 1.1.3 high√√
- 1.1.4 tropical easterly√√
- 1.1.5 convergence √√

(5 x 2) (10)

- 1.2
- 1.2.1 true√√
- 1.2.2 false√√
- 1.2.3 false√√
- 1.2.4 true√√
- 1.2.5 true√√

(5 x 2) (10)

[20]

QUESTION 2

2.1

2.1.1 The lowest point to which a river can erode $\sqrt{\sqrt{}}$

(Concept)

(1 x 2) (2)

2.1.2 Rapid √√

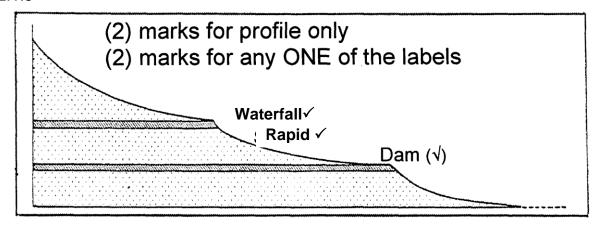
Waterfall

Dam

(Any one)

 $(1 \times 2) (2)$

2.1.3



 $(2 \times 2) (4)$

 $(1 \times 2)(2)$

2.1.4 Ungraded√√



GEOGRAPHY GRADE 12 SESSION 15 (LEARNER HOMEWORK SOLUTIONS)

2.1.5 The valley sides get gentler/the valley sides are lowered $\sqrt{\sqrt{}}$

The width of the river increases

The valley changes from v-shaped to more open valley

(Any one) (1 x 2) (2)

2.1.6 The upper course vertical erosion is dominant $\sqrt{\sqrt{}}$

Therefore the river has steep slopes in the upper course $\sqrt{\sqrt{}}$

The valley is v-shaped $\sqrt{}$

In the middle course vertical erosion is slowed down and lateral erosion becomes dominant $\!\!\!\sqrt{\sqrt{}}$

Therefore the valley assumes an open v- shape $\sqrt{\sqrt{}}$

In the lower course lateral erosion is dominant $\sqrt{\sqrt{}}$

The slopes of the valley become wide and gentler $\sqrt{\sqrt{}}$

The valley becomes more open/the valley becomes a flood plain $\sqrt{\sqrt{}}$

The lower course might have features such as meanders, oxbow lakes, braided streams, etc. $\sqrt{\sqrt{}}$

(Any six, but explaining all three courses) (6 x 2) (12)

[24]

 $(2 \times 2) (4)$

QUESTION 3

3.1 3.1.1 B√√ 3.1.2 A√√ 3.1.3 E√√ 3.1.4 F√√ 3.1.5 D√√ (5 x 2) (10) 3.2 3.2.1 It is centrally located $\sqrt{\sqrt{}}$ $(1 \times 2) (2)$ Light industries√√ 3.2.2 (a) (1 x 2) (2) (b) Land values are high in the transition zone and that will not be suitable for heavy industries √√ Light industries require small plots of land therefore the transition zone is affordable√√ Light industries can locate in high rise buildings found in the transition zone√√ Light industries locate close to the market place $\sqrt{\sqrt{}}$ Light industries are not associated with pollution $\sqrt{\sqrt{}}$ (Any one) $(1 \times 2)(2)$ The buildings are in a dilapidated state $\sqrt{\sqrt{}}$ (c) Area has many social problems such as unemployment, crime and prostitution√√ Waiting for expansion of the CBD $\sqrt{\sqrt{}}$ (Any one) $(1 \times 2)(2)$ 3.2.3 Sector model√√



Various land-use zones occupy sectors √√

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SESSION 15

(LEARNER HOMEWORK SOLUTIONS)

3.2.4 Problems shanty towns pose to city authorities

Lack of facilities and services √√

Houses constructed from plastic, tin, cardboard etc. $\sqrt{\sqrt{}}$

Land is illegally occupied √√

Crime√√

Unemployment√√

Overcrowding $\sqrt{\sqrt{}}$

Unhygienic conditions√√

They are vulnerable in times of floods and heavy rains which puts added

pressure on authorities $\sqrt{\sqrt{}}$

It is not easily accessible $\sqrt{\sqrt{}}$

Fire hazards√√

Solutions

Formalising the settlements $\sqrt{\sqrt{}}$

Improve the infrastructure (roads, buildings, facilities) $\sqrt{\sqrt{}}$

Provide jobs√√

Build away from the flood line $\sqrt{\sqrt{}}$

Provide services such as water, sewerage and electricity $\sqrt{\sqrt{}}$

(Any six. Accept other reasonable answers) (6 x 2) (12)

[34]

QUESTION 4

4.1

4.1.1 A√√

4.1.2 C√√

4.1.3 B√√

4.1.4 D√√

4.1.5 $C\sqrt{\sqrt{10}}$

4.2

4.2.1 When sufficient food is produced to meet the needs of people $\sqrt{\sqrt{}}$

(Concept) (1 x 2) (2) (1 x 2) (2)

4.2.2 Reconstruction and Development Programme $\sqrt{\sqrt{4.2.3}}$ Shortage of fertile/arable land $\sqrt{\sqrt{4.2.3}}$

Natural disasters, e.g. droughts $\sqrt{\sqrt{}}$, floods $\sqrt{\sqrt{}}$, hailstorms $\sqrt{\sqrt{}}$

Monoculture

Land tenure and security

Lack of capital by subsistence farmers to expand

HIV/Aids lowers life expectancy of farmers and labourers

Lack of subsidy from the government

Inadequate support for agricultural research

Poor infrastructure in deep rural areas

Rural – urban migration leaves land unutilised

(Any two. Accept any other reasonable answers) (2 x 2) (4)



GEOGRAPHY GRADE 12 SESSION 15 (LEARNER HOMEWORK SOLUTIONS)

4.2.4 Genetically modified crops are more resistant to diseases/pests/viruses $\sqrt{\sqrt{}}$

Produce more√√

They have greater nutritional value

They can grow under drought conditions/harsher climates

Tolerance to salty soils

More digestible crops for animals

Longer storage life

(Any two. Accept any other reasonable answers)

 $(2 \times 2) (4)$

4.2.5 Conservation farming – use of organic compost, crop rotation, paddock grazing, drip irrigation $\sqrt{\sqrt{}}$

Storing of food from seasons where there has been surplus $\sqrt{\sqrt{}}$

Diversify economic activities in rural areas to include cottage industries such as dairy products and dried fruit $\sqrt{\sqrt{}}$

Use of genetically modified crops to increase output $\sqrt{\sqrt{}}$

Government to provide incentives and subsidies to farmers $\sqrt{\sqrt{}}$

Convert from subsistence farming to commercial farming to increase output $\sqrt{\sqrt{}}$

To hasten land-reform policies so that more people have access to land for farming $\sqrt{\sqrt{\frac{1}{2}}}$

More research on how to improve food production for local conditions $\sqrt{\sqrt{}}$

Making farming research accessible to traditional farmers to improve production $\sqrt{\sqrt{}}$ Use of hybrid seeds $\sqrt{\sqrt{}}$

Growing mixture of crops/mixed farming $\sqrt{\sqrt{}}$

Building terraces and stone lines to conserve soil and water $\sqrt{\sqrt{}}$

Laws ensuring citizens' basic food needs are $met\sqrt{\sqrt{}}$

Introduction of national food-security strategy $\sqrt{\sqrt{}}$

(Any six. Accept any other reasonable answers)

(If listed and only words/phrases used **ONE mark**. If full sentences used **TWO marks**)

(6 x 2) (12)

[34]



GRADE 12

SESSION 15

(LEARNER HOMEWORK SOLUTIONS)

SOLUTIONS TO HOMEWORK: SESSION 15

TOPIC: CONSOLIDATION - PAPER 2: MAPWORK

QUESTION 1: CALCULATION

1.1 MB = TB + MD $\sqrt{}$ = 346°+25°09' = 371°09' $\sqrt{}$

TB = 346°√

MD in 1997 = 23°59'Wof TN

Annual change = 5'W√

Change in years = $2011 - 1997 = 14 \text{ years}\sqrt{}$

Change in MD = 14 x 5' = $70'\sqrt{}$

MD in 2011 = $1^{\circ}10'\sqrt{}$

MD in 2011 = 23°59' + 1°10'

= $25^{\circ}09'W$ of TN $\sqrt{}$ [8]

QUESTION 2: GIS

2.1

2.1.1 The use of satellite photographs to gather geographical information $\sqrt{\sqrt{}}$

(1 x 2) (2)

2.1.2 Information gathered by satellites $\sqrt{\sqrt{}}$

(1 x 2) (2)

2.2 Maps√√

Aerial photographs√√

(Any TWO)

 $(2 \times 2) (4)$

2.3 Spatial data is information about the real world $\sqrt{\sqrt{}}$

Attribute data is additional information about a feature

(e.g. statistical) $\sqrt{\sqrt{}}$

 $(2 \times 2) (4)$

2.4 Dwellings √√

Population size√√

Other buildings√√

Recreational areas

(Any THREE)

 $(3 \times 2) (6)$

2.5 The raster model represents objects in the real world as data stored

in grid structures on rectangular cells $\sqrt{\sqrt{}}$

The vector model represents objects in the real world as points,

lines and areas (polygons) $\sqrt{\sqrt{}}$

 $(2 \times 2) (4)$



[22]



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SESSION 15

(LEARNER HOMEWORK SOLUTIONS)

SOLUTIONS TO HOMEWORK: SESSION 15

TOPIC: CONSOLIDATION – EXAMINATION PAPER 2: MAPWORK (2)

QUESTION 1: GIS

1	.1	.1	Eγ		
			_	1	ı

1.1.2 C√√

1.1.3 A $\sqrt{}$ (3 x 2) (6)

1.2 (Any two)

Digitising maps√√ Image processing√√ Data management

Topographical map

Spatial analysis

(2 x 2) (4)

1.3

1.4

1.3.1 Process of demarcating an area around a feature or an object $\sqrt{\sqrt{}}$

(Concept)

 $(1 \times 2) (2)$

1.3.2 Create a buffer zone next to the coast where no development may take place $\sqrt{\sqrt{}}$ (Concept)

(Concept) (1 x 2) (2) (1 x 2) (2)

1.5 Check database to see if any clues left behind by the gang correspond with other crime scenes $\sqrt{\sqrt{}}$

Demarcate the areas within which the crime takes place
Research the modus operandi of gangs that were involved in

similar crimes. (Any two – accept other reasonable answers). (2 x 2) (4)

[20]

QUESTION 2

2.1 The Gauss Conformal projection is an extract (smaller section) of Mercator's Cylindrical Projection (1 x 2) (2)

2.2 (Any two)

Position always constant $\sqrt{1}$, accurate direction shown $\sqrt{1}$, true bearing drawn accurately, shapes of coastlines accurately shown, small islands have their exact shape, reliable map to use for navigation. (2 x 2) (4)

2.3

2.3.1 The data structure in which the wetland is stored allows us to see how different areas of the wetland are affected by pollution $\sqrt{\sqrt{(1x2)}}$ (2)

2.3.2 Vector√√ town planners can identify how pollutants affected different locations of the wetland√√ This allows planners to give information to municipalities about reducing pollution.

(2 x 2) (4)

2.3.3 Least vulnerable √√

Low vulnerability√√

Medium vulnerability√√ High vulnerability√√

Very high vulnerability√√

(5 x 2) (10)



GEOGRAPHY GRADE 12 SESSION 15 (LEARNER HOMEWORK SOLUTIONS)

2.4

2.4.1 The geographical feature and its relative location, referenced by using lines of latitude and longitude. $\sqrt{\sqrt{}}$ (1 x 2) (2) 2.4.2 Additional information about the feature. $\sqrt{\sqrt{}}$ (1 x 2) (2)

2.4.3 The location of information $\sqrt{\sqrt{(1 \times 2)}}$ (1 x 2) (2)

2.5 Educational Department: teenage pregnancy awareness programmes√√
Schools implementing teenage pregnancy awareness programmes√√
Learners exposed to teenage pregnancy awareness programmes√√
Communities (friends and wider society outside schools) informed of teenage pregnancy awareness by learners√√

(4 x 2) (8)

[36]







GEOGRAPHY GRADE 12 SESSION 15 (HOMEWORK SOLUTIONS)

HOMEWORK SOLUTIONS: SESSION 15

TOPIC 1: SUSTAINABILITY- RELATED STRATEGIES AND URBAN SETTLEMENTS

TOPIC 2: STRUCTURES AND PATTERNS OF URBAN SETTLEMENTS,

HUMAN-ENVIRONMENT INTERACTIONS AND SUSTAINABILITY

STRATEGIES

QUESTION 1

Shona – F/D/G√√ Rosa- D $\sqrt{\sqrt{}}$ Violet - $\sqrt{\sqrt{}}$ 1.1 (a) (3 x 2) (6)

(b) Shona: In high-rise flat/high density – F

Lowest cost - F

Close to primary school - F

Close to CBD - F

Close to employment – F

Good condition of apartment – D

Urban renewal results in upgrading of buildings - $G\sqrt{\sqrt{}}$

Rosa: Medium-sized house

> House has basic amenities Intermediate –cost house√√

Violet: Large house

Large plot / ground

House has many luxury amenities

Highest cost house $\sqrt{\sqrt{}}$ one reason for each choice) (3 x 2) (6)

(c) Low density – high income as people can afford large stands $\sqrt{\sqrt{}}$ High density – low income as people can only afford small stands or afford

housing in high-rise flats $\sqrt{\sqrt{}}$ $(2 \times 2) (4)$

1.2 (a) Commercial / functional decentralisation √√

 $(1 \times 2)(2)$

- (b) Traffic congestion in CBD $\sqrt{\sqrt{}}$ inaccessibility $\sqrt{\sqrt{}}$, high level of pollution in CBD, High crime rate in CBD, Office space expensive in CBD, lack of open spaces, poor state of buildings, lack of parking for customers
- (c) Less traffic/accessibility $\sqrt{\sqrt{}}$, more peaceful environment $\sqrt{\sqrt{}}$, less pollution $\sqrt{\sqrt{}}$, Modern buildings, less crime, aesthetic appeal/beauty. (any two) $(2 \times 2) (4)$
- (d) Suburbs on outskirts $\sqrt{\sqrt{}}$ rural-urban fringe, outlying /regional shopping centres $\sqrt{\sqrt{}}$, Outlying malls/ walkways, office parks (Any ONE) $(1 \times 2)(2)$
- (e) Modernise/upgrade buildings to meet needs of occupants $\sqrt{\sqrt{}}$ Facadism- retaining the front of the building and build behind $\sqrt{\sqrt{}}$

Gentrification - modernise old houses close to the CBD

Develop obsolete spaces into loft apartments Develop entertainment opportunities in the CBD

Demolish buildings to reduce high density

Provide open spaces to CBD

Develop walkways in the CBD

Slum clearance

(Any TWO) (2 x 2) (4)

[32]





