

LUBIRI SECONDARY SCHOOL

UGANDA CERTIFICATE OF EDUCATION

S.4 Geography paper 1.2024

SCORING GUIDE

Item 1: map use skills

- a. Here ,we determine the bearing and direction from Buliisa road junction to Kimoli (GR.285426)

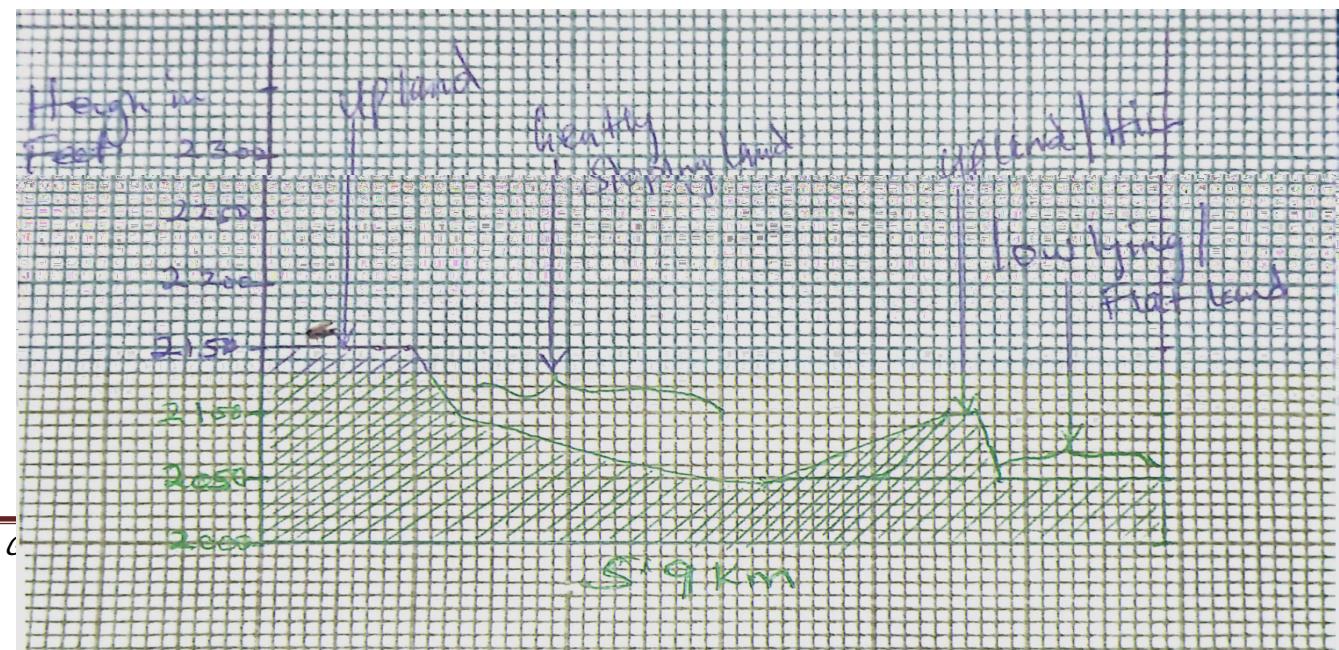
The bearing is 035° North Eastern directions

Consider the range. $033^{\circ} - 037^{\circ}$ NE/NNE direction.

- ✓ Let them identify the north at Buliisa Road junction and turn 035° clockwise in the north east and move straight for about 9.7 km.

Scoring

- *Correct bearing and direction with a directing write-up* 04 scores
 - *Correct bearing and direction without a directing write-up* 03 scores
 - *If one of the two is correct with a write-up* 02 scores
 - *If one of the two is correct without a write-up* 01 score
 - *Wrong bearing and Direction* 00
- b. A relief section from Kimoli (GR.285426) to Anaka (GR.285485) showing the nature of relief in the area where the road is to be constructed.



Scoring

- Correct relief section and well labeled 06
 - Correct relief section with some labeling 05
 - Correct relief section but not labeled 04
 - Wrong relief section with labels 03
 - Wrong relief section without labels 02
 - Not drawn 00
- c. physical challenges may include
- ✓ Existence of river Nile
 - ✓ Existence of a swamp
 - ✓ Presence of upland at Anaka
 - ✓ Wild animals in Murchison falls National park etc

Explanation.

- ✓ These make construction difficult; expensive; delays construction.

scoring

- Any **three** physical challenges identified and explained 06
- Any **three** physical challenges identified but 2 or 1 explained 05
- Any **two** physical challenges identified and explained 04
- Any **three** physical challenges identified but non explained 03
- Any **two** physical challenges identified non explained 02
- Any one physical challenges identified and explained 01
- No challenge / wrong challenge 00

d. The total cost for construction of the Road

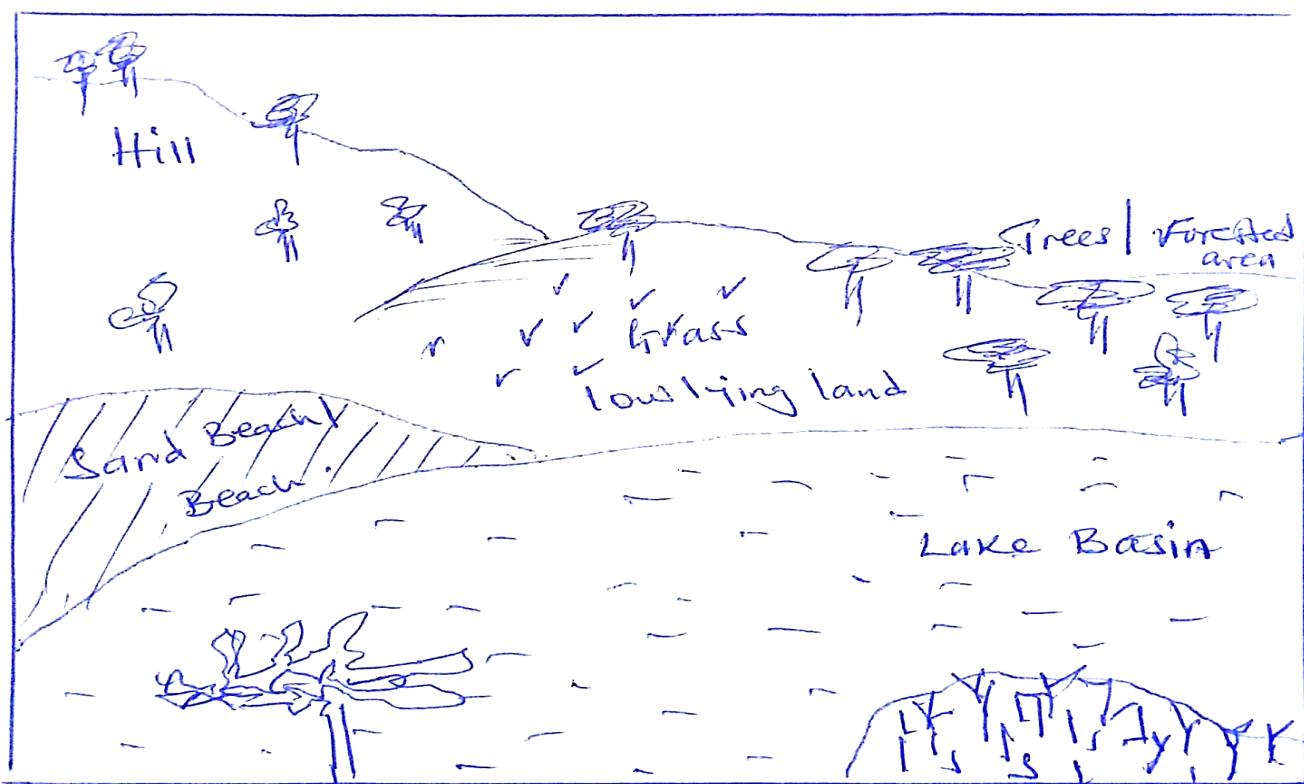
Distance of the road	5.9 km	If 6 km
Consider 5.9 km or 6 km		Since 1km is 2billion
If 5.9 km		$6\text{km} \times 2 \text{ billion}$
Since 1km is 2 billions		- 12 billions
Total cost is $5.9 \times 2\text{billion}$		Or 12,000,000,000
	- 11.8 billion	
Or 11,800,000,000		

Scoring

- Accurate distance and correct total cost 04
- Partial correct calculation 02
- Wrong or no response 00

Item 2

- a. A Landscape sketch showing the area shown on the photograph showing relief features and vegetation.



Note :

The relief features in the photograph include:

- ✓ Basin
- ✓ A hill/ hilly area
- ✓ Beach / sand beach
- ✓ Low lying land / flat land
- ✓ Gentle land / gently sloping land

Vegetation include:

- ✓ Trees/ forested area
- ✓ Grass / shrub

Scoring:

- *Accurately drawn landscape sketch with all the required features* 08
- *Accurately drawn landscape sketch with some required features* 07
- *Accurately drawn landscape sketch with very few required features* 06
- *Accurately drawn landscape sketch without the required features* 03
- *Wrong or no response* 00

b. i. statement of the problem

- ✓ Inadequate knowledge about the resources in the area by the investors

Scoring

- *Correct problem stated* 01
- *No problem identified* 00

ii. The possible investment ideas in the area may include the following

- ✓ Fishing due to presence of a lake in foreground
- ✓ Quarrying due to presence of a hill in the background
- ✓ Water transport due to presence of a lake in foreground
- ✓ Recreation due to presence of a beach in foreground
- ✓ Lumbering due to presence of trees in the foreground
- ✓ Crop growing due to presence of vacant land in background
- ✓ Sand mining due to presence of sand in foreground. Etc.

Scoring

- *4 or more investment plans with evidence* 05
- *2-3 investment plans with evidence* 04
- *3 or more investment plans without evidence* 03
- *1 investment plans with evidence* 02
- *No or wrong response* 00

c. Challenges investors are likely to face in the area may include the following

- ✓ Flooding
- ✓ Diseases
- ✓ Impassable roads
- ✓ Steep slope in the background
- ✓ Drowning /water accidents
- ✓ Water /marine dangerous animals
- ✓ Limited land for expansion.etc

Scoring

- *4 or more challenges with evidence* 05
- *2-3 challenges with evidence* 04
- *3 or more challenges without evidence* 03

- 1 challenge with evidence 02
- No or wrong response 00

ii. Statement of opinion

Could be possible solutions to the challenges or any advice

Scoring

- Correct / sensible statement of opinion 01
- Wrong or no response 00

Item3 a.

i. ***Identification of the problem***

Lack of knowledge about rift valley and the various ways of earning a living with the rift valley

Scoring

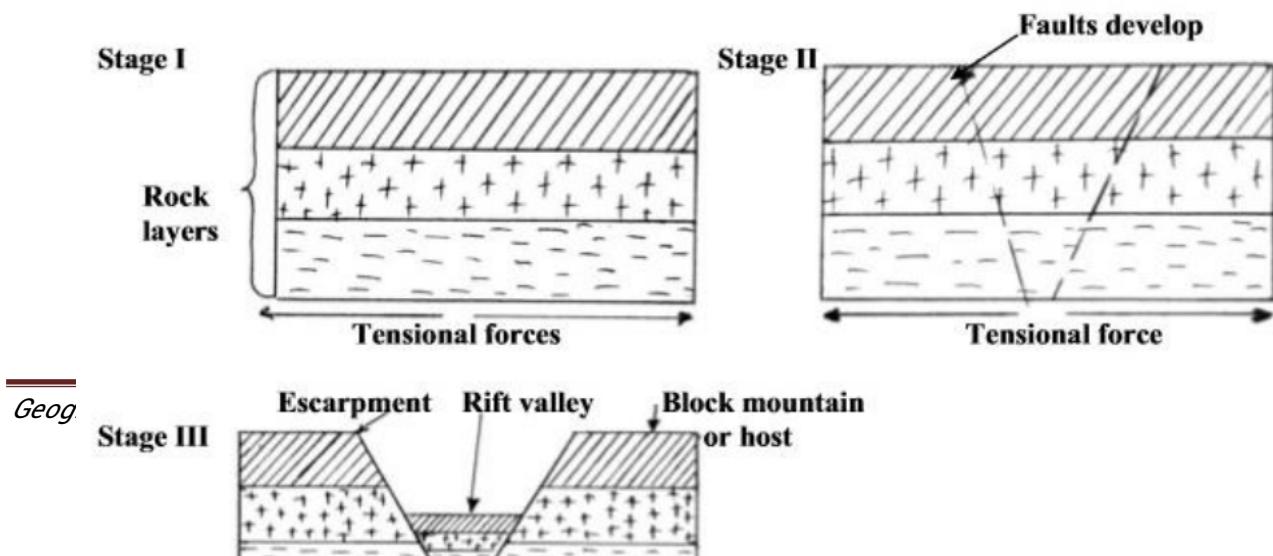
- Correct problem stated 01
- No problem identified 00

ii. ***The explanation should bring out either the tension force theory or compression force theory.***

Tension forces.

Convectional currents within the Earth crust cause, tensional forces which lead to the formation of parallel normal faults pulling in different directions making the middle block to sink down.

Continuous tension makes the middle block to subside to form a Rift Valley.

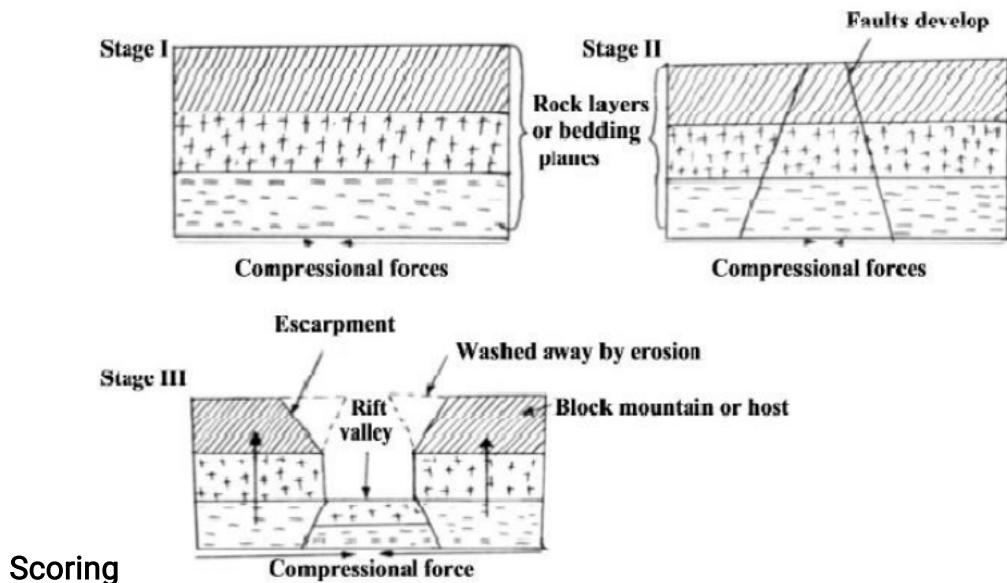


OR

Compression forces.

Convectional currents within the earth crust cause compression forces which lead to the formation of reversed parallel faults. Continuous compression, force the side blocks to rise up and a trough was developed to form a Rift valley.

The overhanging sides of the Rift valley are washed back by erosion



- Well explained formation process with correctly labeled diagrams 09
- Well explained formation process with wrongly labeled diagrams 08
- Well explained formation process without correct diagrams 07
- Correct diagrams without explanation 05
- Wrong or response 00

b. i. The essay should highlight;

- ✓ Tourism related activities since the Rift Valley promotes tourism

- ✓ Small scale fishing since the Rift valley contains a number of lakes such as Tanganyika and Albert. These lakes are sources of fish (food) to the people of East Africa which improves on their diet
- ✓ Mining since the Rift Valley is a source of salt to the people of East Africa for example Lake Magadi and Lake Katwe.
- ✓ Agriculture since the Rift valley lakes such as Naivasha, Tanganyika and Edward modify climate through formation of convectional rainfall which supports agriculture.
- ✓ Water transport related activities since the Rift valley lakes promote water transport thus easy movement of goods and services.
- ✓ Research related activities to guide researchers.
- ✓ Livestock rearing and wild life conservation.

Scoring

- *5 or more ways well explained* 09
- *3-4 ways well explained* 08
- *2 ways well explained* 05
- *3 or more ways not explained* 04
- *1 way well explained* 02
- *No or wrong response* 00

ii. Statement of opinion

Could be an emphasis on one of them with a reason

Scoring

- *Correct / sensible statement of opinion* 01
- *Wrong or no response* 00

Item 4

a. Mining areas may include

- Witwaters land Gold diamond uranium

- Pretoria
- Johannesburg
- Krugersdorp
- Virginia
- Klerksdorp
- Welcom

Minerals include

- | | |
|-------------|--------------|
| ▪ Asbestos | ▪ Phosphates |
| ▪ Copper | ▪ Tin |
| ▪ Fluorspar | ▪ Tungsten |
| ▪ Manganese | ▪ Uranium |

Scoring

- *Any 2 with any2 minerals* 04
- *Any 2 without minerals on one* 03
- *Any two without minerals* 02
- *Anyone without mineral* 01

b. The write up should highlight;

i. **Investment plans may include ;**

- ✓ Mining due to presence of minerals
- ✓ Industrial establishment due to presence of raw materials
- ✓ Fishing due to existence of water bodies
- ✓ Tourism

Scoring

- *Any two and more with a country* 04
- *Anyone with a country* 03

- *Any two and more without a country* 02
- *Anyone without a country* 01
- *Wrong or no response* 00

ii. Problems likely to be created by the investments may include

- ✓ Land degradation
- ✓ Pollution of water, land and air
- ✓ Swamp drainage
- ✓ Deforestation
- ✓ Rural urban migration
- ✓ Displacement of people
- ✓ Urbanization/ population concentration with associated evils

Scoring

- *5 or more problems well explained* 07
- *3-4 problems well explained* 06
- *2 problems well explained* 05
- *3 or more problems not explained* 04
- *1 way problems explained* 02
- *No or wrong response* 00

iii. Solutions may include;

- ✓ Filling up pits after mining
- ✓ Strict laws against pollution
- ✓ Compensating the displaced people
- ✓ Providing rural areas with better social services

- ✓ Re-a forestation programs
- ✓ Promotion of security
- ✓ Eviction of swamp encroachers etc.

Scoring

- *Any three or more well explained* 04
- *Any two with well explained* 03
- *Any two and more without explanation* 02
- *Anyone without explanation* 01
- *Wrong or no response* 00

iv. Personal opinion

Scoring

- *Correct / sensible statement of opinion* 01
- *Wrong or no response* 00

Item 5

a. Crops on the Gezira may include:

- ✓ Rice
- ✓ Maize
- ✓ Cotton
- ✓ Sorghum (Dura)
- ✓ Millet
- ✓ Lubia (beans) etc

Scoring

- *3 crops mentioned* 03

- *2 crops mentioned* 02
- *1 crops mentioned* 01
- *Wrong or no response* 00

b. Characteristics of the climate

- ✓ Alternating wet and dry season
- ✓ Single rainfall maxima
- ✓ Very dry from Dec to March
- ✓ Very little rainfall of less than 50 mm annually in the north
- ✓ Little rainfall of 200- 700 mm in the central
- ✓ Wettest in August with only 80 mm
- ✓ Very hot throughout the year above 30c
- ✓ Very hot in April and may about 40c

Scoring

- *4 or more characteristics* 05
- *2-3 characteristics* 04
- *3 or more characteristics* 03
- *1 characteristic* 02
- *No or wrong response* 00

c. i. problem statement

- ✓ Failure to modernize agriculture

Scoring

- *Correct statement* 01
- *Wrong or no response* 00

ii. Essay should highlight:

- ✓ Little rainfall
- ✓ Very hot temperatures
- ✓ Limited capital
- ✓ Land tenure system
- ✓ Limited skilled labour
- ✓ Low levels of technology
- ✓ Conservativeness etc

Scoring

- | | |
|-------------------------------|-----------|
| ▪ <i>5 or more challenges</i> | <i>06</i> |
| ▪ <i>3-4 challenges</i> | <i>04</i> |
| ▪ <i>2 challenges</i> | <i>03</i> |
| ▪ <i>1 challenge</i> | <i>02</i> |
| ▪ <i>No or wrong response</i> | <i>00</i> |

iii. Way forward

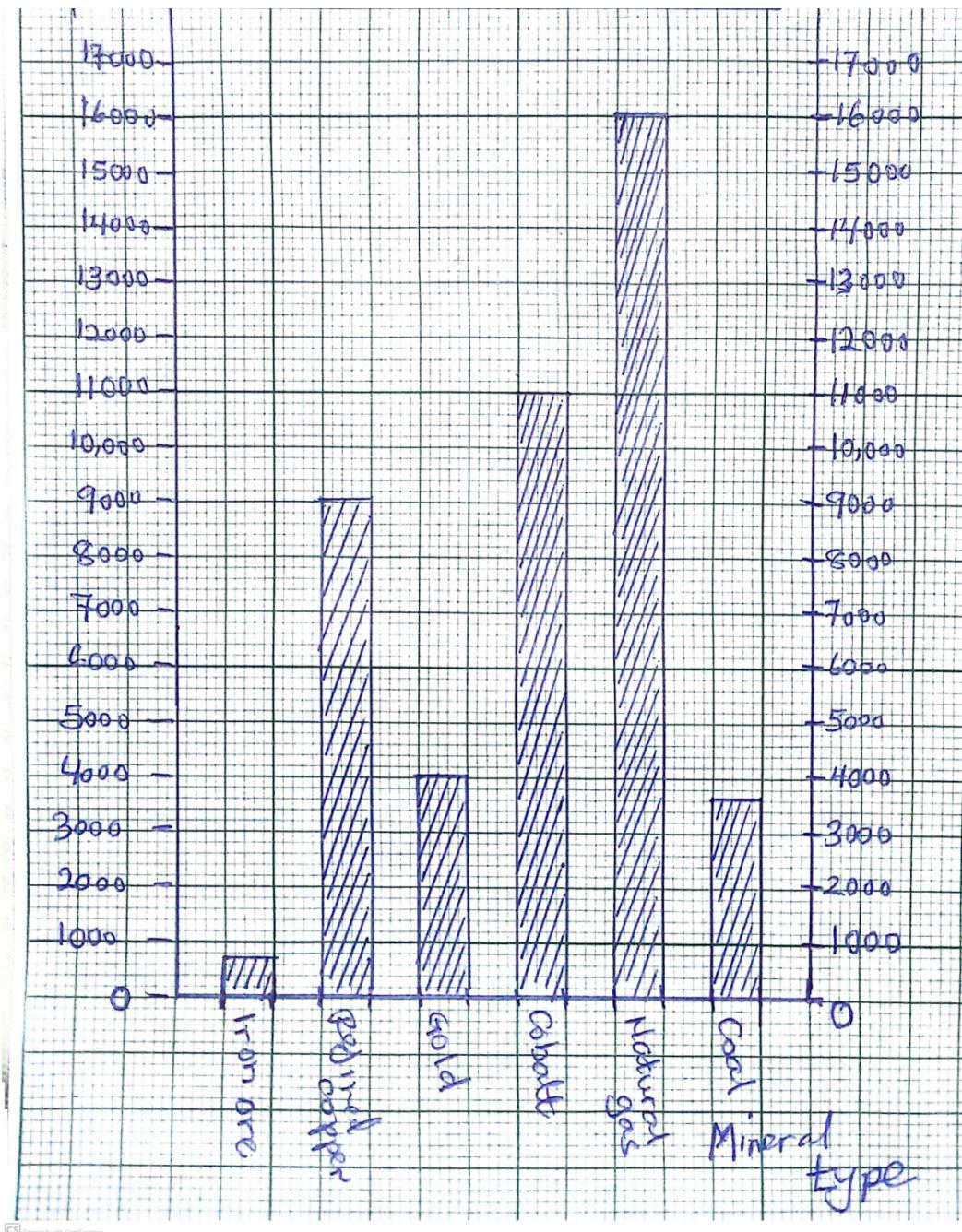
- ✓ Regular research
- ✓ Expanding irrigation projects
- ✓ Provision of soft loans to farmers
- ✓ Training of labour
- ✓ Mass sensitization
- ✓ Importing modern technology etc.

Scoring

- | | |
|------------------------|----|
| ▪ 5 or more solutions | 05 |
| ▪ 3-4 solutions | 04 |
| ▪ 2 solutions | 03 |
| ▪ 1 challenge | 02 |
| ▪ No or wrong response | 00 |

Item 6

- a. A simple bar graph to represent China's mineral production in 2018



Scoring

- *Accurately drawn graph with all the details* 08
- *Accurately drawn graph with some of the details* 07
- *Graph without proper labeling* 05
- *Graph draw with combined bars* 03
- *Wrong or no response* 00

b. Percentage for Chinas mineral production in 2018 for :

Natural gas

Total mineral production = 43507 million tons

$$\frac{1602}{43507} \times 100 = \underline{\underline{36.84\%}}$$

Cobalt

$$\frac{10,000}{43507} \times 100 = 22.9\%$$

Scoring

- *Accurate calculation of percentages* 02
- *Partially calculated* 01
- *Wrong or no response* 00

c. The article should highlight

i. Conditions which have promoted the mining sector in china today other than those in the text.;

- ✓ Capital
- ✓ Skilled labour
- ✓ Ready market

- ✓ Modern transport network
- ✓ Favourable government policy
- ✓ HEP/ natural gas to run the machines
- ✓ Modern research etc.

Scoring

- *5 or more conditions well explained* 09
 - *3-4 conditions well explained* 08
 - *2 conditions well explained* 05
 - *3 or more conditions not explained* 04
 - *1 condition well explained* 02
 - *No or wrong response* 00
- i. Statement of opinion

Scoring

- *Correct / sensible statement of opinion* 01
- *Wrong or no response* 00