

FORM FOUR GEOGRAPHY MARKING GUIDE

SECTION A (16 Marks)

1. (a) 1 mark = 10 marks

I	II	III	IV	V	VI	VII	VIII	IX	X
B	B	A	B	E	D	D	B	C	E

2. (a) 1 mark = 6 marks

I	II	III	IV	V	VI
B	D	A	F	G	C

SECTION B (.54 Marks)

3. (a) i. Landforms

- The presence of craters, caldera, volcanic mountain and hills indicate the presence of Igneous rocks
- The presence of erosion, depositional features such as coastal land, sand dunes, coral reef indicate Sedimentary rocks
- The presence of flood plain suggest Sedimentary rocks
- The presence of outcropped rock, undulating plateau suggest Metamorphic rock

ii. Nature of rock

- Absence of stream - Sedimentary rock
- Presence of many streams - Igneous rock

iii. Vegetation and crops

- Poor vegetation cover like mangrove swamp, Tree swamp, sugarcane indicate Sedimentary rock
- Thick forest or dense forest, coffee plantation, tea indicated Igneous rock

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(1)

- Presence of scrub indicate Metamorphic rock.
@ 2 marks = 6 marks

Note :- The answer may start from types of rocks + evidences + location on the map.

or Evidences + types of rock + evidence on a map.

b. Processes.

i. Vulcanism - due to presence of crater, hills or mountains

ii. Faulting - due to presence of escapement, mountain and valley.

iii. Folding :- due to presence of mountain, valley and spurs.

iv. Erosion :- due to presence of river, lakes, ocean, hills and valley.

v. Deposition :- due to presence of lakes, river, seasonal swamps.

vi. Weathering :- due to presence of rock outcrops mountain.

Any three points @ 1 mark = 3 marks.

4 (a) Interview method. 1.5 marks

b) Advantages of interview method

i. It includes both literacy and illiteracy

ii. It has high rate of responding

iii. More informations are easily to be collected.

iv. It is used to collect data on sudden issues

v. The researcher can give clarification

@ 1.5 mark = 7.5 marks

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(2)

5 a) Denotation

\bar{x} = Arithmetic mean

Σ = Summation

x = Individual value

n = Number of value @ 0.5 = 2 marks

b) $\bar{x} = \frac{\Sigma x}{n}$

$$\bar{x} = \frac{5 + 10 + 4 + 3 + 3 + 4 + 7 + 4 + 6 + 5}{10}$$

$$\bar{x} = \frac{51}{10}$$

$$\bar{x} = 5.1$$

3 marks

c) Importance of statistics.

i. It is used in land planning

ii. Enable us to convert massive data into simple and manageable form

iii. Help to present facts in definite form

iv. To simplify and classify large masses of facts

v. To furnish methods of comparison.

Any relevant point @ 1 mark = 4 marks

6 a) The typology of diagram is SKETCH MAP. 1 mark

- Sketch map is a map drawn from observation rather than from exact survey measurements and shown only the main of the area. 2 marks

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(3)

6 Reasons

- i. Because it is informal usage
- ii. The sketches are just temporary
- iii. It saves time
- iv. It lacks precision

@1.5 mark = 6 marks

7 (a) Ground/Horizontal photograph 1 mark

- (b)
- i. It is easy to interpret. Because the features are seen clearly
 - ii. It is used to store data
 - iii. It is used in construction activities. @1 mark

(c) Identify the parts of the photograph such as fore, middle and back part.

- ii. Study and note all features shown on the photograph Eg houses, hills, trees etc
- iii. Read and understand any information at the bottom of the photograph
 - Eg the place where the photograph was taken
- iv. Write short description of the features shown
- v. Describe the process which have led to the formation of any landforms Eg Erosion, volcanism

@1 mark = 5 marks

8 (a) River capture/River piracy. 1 mark

(b) Conditions necessary for a river capture to occur

- i. The capturing river should be stronger or must

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(4)

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have greater energy for vertical erosion than the weak river.

ii. The capturing river must be lying at a lower level and usually with steeper gradient than its weak river.

iii. The capturing river must be flowing over relatively softer rocks.

iv. The two rivers must fall in the same catchment area.

v. The capturing river must have a pirate stream which has both powerful vertical and headward erosion. Any 4 points @ 1 mark = 4 marks

© Features produced

i. Pirate stream :- It is powerful and performs headward erosion to capture the neighbouring weak river.

ii. Elbow of capture :- It is a band produced when a river has been diverted.

iii. Misfit river :- It is a beheaded stream having lost headwaters due to river-capture and has been reduced in volume.

iv. Wind gap :- It is a valley of the beheaded stream below the point of capture or elbow and its base may be dotted with gravel or alluvium.

@ 1 mark = 4 marks.

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(5)

SECTION C (30 Marks)

9 Introduction 1.5 mark

- Briefly explain the concept of Electronic manufacturing

Main body @ 2 marks = 12 marks

- Six drawbacks

i. Poor electronic waste management

ii. Strong competition/ Increase competition

iii. Rapidly changing technology

iv. Price pressure

v. Changing consumers preference

vi. Health risk from hazardous materials

vii. Access to raw materials

viii. Environmental regulations

ix. Potential resource depletion

Conclusion :- Any relevant conclusion 1.5 mark

Total 15 marks

10 Introduction 1.5 mark

- Briefly explain the concept of soil structure

Main body @ 2 marks = 12 marks

- Importance/significance of soil structure

i. It determines supply of water and its movement in the soil

ii. It influences soil fertility

iii. It influences aeration in the soil

iv. It influences heat transfer in the soil

v. It determines the amount of surface run-off and the potential of the soil for the soil to be eroded

- vi. It determines the porosity of the soil
- vii. It determines the ease with which plant roots can penetrate the soil.

Conclusion :- Any relevant conclusion 1.5 marks

Total 15 marks

11 Introduction 1.5 mark

- Briefly explain the concept of the urban growth

Main body @ 2 marks = 12 marks

- Ways of solving the existing problems related to urban growth.

i. Creation and implementation of settlement policies relation to urban growth

ii. Equal provision of social services

iii. Improvement of infrastructures

iv. Application of family planning

v. Proper waste management

vi. Improvement of access to financial services

vii. Control of buildings in town

viii. Allow private sectors to provide services

Conclusion :- Any relevant conclusion 1.5 mark

Total 15 marks

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