

FOCUS A365

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FORM 3 TERM 1 geography PPI EXAMINATIONS
2018

NAME: _____ ADM NO: _____ CLASS: _____

INSTRUCTIONS TO CANDIDATES

- THIS PAPER CONSISTS OF TWO SECTIONS: A AND B
- ANSWER ALL QUESTIONS IN SECTION A
- IN SECTION B, ANSWER QUESTION 6 AND ANY OTHER TWO

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SECTION A.

(Answer all the questions in this section)

1. a) What is forestry? (2mks)
b) Name three exotic species of trees planted in Kenya. (3mks)
2. a) State three methods of mining. (3mks)
b) Name two sea ports through which some of the minerals in Africa are exported. (2mks)
3. a) Define statistical methods. (2mks)
b) State three methods of collecting statistical data. (3mks)
4. a) What is a photograph? (2mks)
b) Name three types of ground photographs. (3mks)
5. a) Name the places where the following minerals are found in East Africa. (3mks)
Flour spar
Diamonds
Coal
b) Name two places in South Africa where diamonds are mined. (2mks)

SECTION B

Answer question 6 and any other two questions in this section.

6. The table below shows the value of some of Kenya's mineral in million shillings exports from 2008 to 2011. Use it to answer questions a, b and c.

	2008	2009	2010	2011
Soda ash	13,200	8,300	7,300	12,400
Petroleum products	4,200	4,500	4,700	6,100
Cement	7,300	7,800	7,400	8,900

- a) Draw a comparative bar graph to represent the data shown. (6mks)
 - b) State three advantages of using comparative bar graphs to represent statistical data. (3mks)
 - c) Calculate the percentage increase in value of exports between the year 2010 and 2011. for all each commodity (6mks)
 - d) State two conditions that are necessary for the formation of petroleum. (2mks)
 - e) Explain four benefits of petroleum mining to the economies of Middle East. (8mks)
7. a) What is agro forestry? (2mks)
b) State four reasons why agro forestry is encouraged. (4mks)
c) State 3 uses of forest products. (3mks)
d) Explain four factors that favor the growth of natural forest. (8mks)
e) Explain four problems facing forestry. (8mks)
 8. a) Name two minerals mined using panning methods. (2mks)

- b) Describe how minerals are mined using the panning mining methods. (5mks)
- c) Explain how the following factors influence the occurrence of minerals.
- (i) Evaporation (2mks)
 - (ii) Vulcanicity. (2mks)
 - (iii) Metamorphism. (2mks)
- d) State four uses of soda ash. (4mks)
- e) Explain four negative effects of mining on the environment. (8mks)

9. Study the climatic data in the table below for kisumu and answer the questions that follow.

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temp (°C)	24	24	24	23	23	22	22	22	23	24	24	23
Rainfall (mm)	63	87	159	211	167	88	68	93	78	78	124	97

- a) i) Calculate the mean annual temperature. (2mks)
- ii) What is the annual range of temperature? (2mks)
- iii) What is the total annual rainfall for Kisumu. (1mk)
- b) Using the temperature and rainfall data given, draw a combined bar and line graph for Kisumu. (8mks)
- c) Describe the climatic characteristics as shown by your graph. (6mks)
- d) i) State three disadvantages of simple bar graphs. (3mks)
- ii) What are the advantages of the combined bar and line graphs. (3mks)

10. Use the photograph provided to answer the questions that follow.



- a) i) What type of photograph is this? (1mk)
ii) Name an area in Kenya where the photograph might have been taken. (1mk)
- b) Draw a rectangle, 15cm by 10cm to represent the area covered in the photograph.
On your rectangle, mark and label the main features shown. (5mks)
- c) Describe the scenery shown on the photograph. (3mks)
- d) i) What problems is the area shown in the photograph likely to be facing? (3mks)
ii) What measures can be taken to overcome these problems? (3mks)
- e) Students from Kirinyaga high school visited the area shown in the photograph to carry out a field study on forestry.
- i) State three ways in which you would prepare for the study. (3mks)
ii) State three activities they would carry out during the field study. (3mks)
iii) What problems are they likely to encounter during the study. (3mks)