EXAMINATIONS COUNCIL OF ZAMBIA

Examination for General Certificate of Education Ordinary Level

Geography

Paper 1

Wednesday 26 JULY 2017

1:50 000 Survey Map is enclosed with this question paper

Additional Materials:
Multiple Choice answer card
Soft pencil (type B or HB is recommended)

Time 1 hour 30 minutes

Instructions to Candidates

1 Do not open this question paper until you are told to do so.

2 Ensure that your name, centre number and candidate number have been correctly written on the Answer Card provided.

3 There are fifty (50) questions in this paper. Answer all the questions. For each question, there are four possible answers, A, B, C and D. Choose the one you consider correct and shade your choice in clear pencil on the separate Answer Card.

4 Read the instructions very carefully on the answer card provided.

Information for Candidates

1 Each correct answer will score one mark. A mark will not be deducted for any wrong answer.

2 Cell phones and calculators are not allowed in the examination room.
SECTION A: MAPWORK AND BASIC TECHNIQUES

Questions 1 to 12 are based on the 1:50 000 map extract of Bindura (Zimbabwe).

1. What is the six figure grid reference of the Chishwingo ruins national monument in the South Western part of the map?
   A. 162 777
   B. 167 772
   C. 772 167
   D. 777 162

2. Which of the following is found in grid square 1680?
   A. Ferry
   B. Hospital
   C. School
   D. Tank

3. What is the bearing of the trigonometrical station in grid square 2088 from the spot height in grid square 1585?
   A. 45°
   B. 60°
   C. 235°
   D. 300°

4. What is the distance along the road in grid square 1780 to the dam in grid square 2084?
   A. 5200 metres
   B. 5400 metres
   C. 6100 metres
   D. 6400 metres

5. What is the direction of the Wayerera school in grid square 1878 from the hospital in grid square 2287?
   A. North East
   B. North West
   C. South East
   D. South West

6. The settlement pattern in between Easting 20 and 24 and Northing 77 and 79 is ...
   A. dispersed.
   B. linear.
   C. nuclear.
   D. random.
7. What economic activity has greatly contributed to the settlement in the area shown in the map extract below?

A. Agriculture  
B. Mining  
C. Railway transport  
D. Road transport

8. The dominant vegetation type of Bindura is ...

A. dense bush.  
B. medium bush.  
C. open grassland.  
D. sparse bush.

9. What is the vertical interval of the map of Bindura?

A. 15 metres  
B. 20 metres  
C. 25 metres  
D. 30 metres

10. In which direction does the Mazowe River flow?

A. North East  
B. North West  
C. South East  
D. South West

11. What is the average of the land gradient between the spot height in grid square 1585 and the Trigonometrical station in grid square 2088?

A. 1 : 10  
B. 1 : 29  
C. 1 :34  
D. 1 :44

12. What man-made feature is found in grid square 2289?

A. Dam  
B. Dip tank  
C. Swimming pool  
D. Water tank
SECTION B: ELEMENTS OF PHYSICAL GEOGRAPHY

13 What is the approximate straight line distance between Cape Town 33°S and Tropic of Capricorn 23½°S?
   A  1054.5km
   B  2608.5km
   C  3663.0km
   D  6216.0km

14 Which among these planets completes its orbit in about three months?
   A  Earth
   B  Mars
   C  Mercury
   D  Venus

15 Weathering takes place in each of the following ways except ...
   A  action of plants and animals.
   B  alternate wetting and drying.
   C  dissolving of soluble minerals by rain water.
   D  removal of top soil by running water.

16 Study the diagram below and answer the question that follows.

   The above diagram shows a river in its ...
   A  lower course.
   B  middle course.
   C  upper course.
   D  vertical course.
17 Study the diagram below and answer the question that follows.

What type of erosion is taking place at A in the feature above?
A  Lateral corrosion
B  Lateral corrosion
C  Vertical corrosion
D  Vertical corrosion

18 Which one of the following types of weathering does not involve chemical processes?
A  Biological
B  Exfoliation
C  Hydrolysis
D  Oxidation

19 Study the diagram below that shows the cross section of a river profile and answer the question that follows.

What does the diagram illustrate?
A  Formation of rapids
B  River flooding
C  River rejuvenation
D  River terracing
20  Study the diagram below which shows a drainage pattern.

What features would lead to the formation of such a pattern?
A  Alternate clay and sand soils dipping in the same direction.
B  Alternate hard and soft rocks dipping in the same direction.
C  Flat land with alternate hard and soft rocks.
D  Rock with some resistance to erosion.

21  Which of the following agents of denudation cause mass wasting?
A  Gentle slope
B  Gravitational force
C  Mass of the material
D  Rain water

22  What feature is formed by pebbles in a fast flowing river?
A  Inter-locking spurs
B  Pot-holes
C  Steep gradient
D  Waterfalls

23  Weather refers to the state of the ...
A  atmosphere.
B  ionosphere.
C  troposphere.
D  stratosphere.

24  The difference between highest mean monthly temperature and lowest mean monthly temperature is called the ...
A  annual temperature range.
B  mean annual temperature.
C  mean monthly temperature.
D  monthly temperature range.
25 The humidity of the air depends on ...  
A clouds.  
B rain.  
C temperature.  
D water vapour.  

26 Study the diagram below and answer the question that follows.

The symbol above shows ...  
A complete cloud cover.  
B seven-eighths cover.  
C three-quarter cover.  
D sky obscured.  

27 Study the map of Africa and answer the question that follows.

Which one of the following places P, Q, R and S experiences westerly winds in winter and offshore winds in summer?  
A P  
B Q  
C R  
D S
28 The Tropical Continental Savanna type of climate is best described as having ...
   A winter rain and summer drought.
   B summer rain and winter drought.
   C mud, hot, wet autumn and cool dry spring.
   D much rain all year round.

29 Study the diagram below and answer the question that follows.

![Diagram of high pressure areas](image)

The diagram shows...
   A a cyclone in the Northern hemisphere.
   B a cyclone in the Southern hemisphere.
   C an anticyclone in the Northern hemisphere.
   D an anticyclone in the Southern hemisphere.

30 One of the main features of the Mediterranean climate is the ...
   A nature of local winds.
   B prevailing westerly winds in winter.
   C annual temperature range of less than 10°C.
   D influence of the ocean currents.

31 Which one of the following climatic regions is associated with open evergreen woodland?
   A Equatorial
   B Mediterranean
   C Tropical Monsoon
   D Savanna

32 Cacti are typical plants of ...
   A hot desert.
   B hot wet equatorial.
   C Mediterranean.
   D tropical continental.
SECTION C: ELEMENTS OF WORLD HUMAN GEOGRAPHY

33. Which one of the following African countries has the highest population?
   A. Democratic Republic of Congo
   B. Egypt
   C. Ethiopia
   D. South Africa

34. The average number of children that would be born to each woman during her reproductive period is known as ...
   A. birth rate.
   B. fertility rate.
   C. life expectancy.
   D. mortality.

35. Which one of the following statements is applicable to the third world countries?
   A. Experiences least life expectancy.
   B. Generally records lowest birth-rate.
   C. Normally maintains a higher standard of living.
   D. Usually exports large quantities of manufactured goods.

36. The growth of population creates an urgent need for ...
   A. commercial activities.
   B. extensive agriculture.
   C. housing.
   D. industrialisation.

37. Which one of the following crops would best suit drought conditions of most parts of Africa?
   A. Maize
   B. Rice
   C. Sorghum
   D. Wheat

38. In an area of extensive livestock farming, under what conditions are cattle likely to be replaced by sheep?
   A. When markets become closer.
   B. When transport becomes better.
   C. When land becomes less drained.
   D. When pasture becomes sparser because of less rainfall.
39 Study the map of Africa below.

![Map of Africa]

Which one of the following crops is mainly produced in the shaded area?

A Maize  
B Rice  
C Sugarcane  
D Wheat

40 Which among these crops requires heavy annual rainfall of at least 1,270mm, mean temperature of 18°C to 27°C, a warm, dry period for harvesting and loam or clay soil?

A Maize  
B Rice  
C Tea  
D Wheat

41 Which among these countries is the highest producer of tea?

A Bangladesh  
B India  
C Indonesia  
D Sri-Lanka

42 Over cropping is when ...

A a high yield of the same crop year after year is produced.  
B the same crop is planted on the same land year after year.  
C too many crops are grown on the same land year after year.  
D too many domestic animals are feeding on the same land year after year.

43 In modern industries, the use of coal as a fuel has declined sharply mainly because ...

A it does not yield any industrial by-product.  
B it is a very expensive fuel.  
C it is not easily available.  
D other alternative fuels are more efficient.
44. Oil tankers today are increasing in size because ...
   A. transportation costs per unit oil is low.
   B. there is no risk of fire.
   C. they can carry other cargo.
   D. they sail the deep seas.

45. Despite having a vast potential water power resource, Africa's developed hydro-electric power is about 1% of the world's total. Which one of the following is the reason for this underdevelopment?
   A. Lack of capital.
   B. Lack of political will.
   C. Lack of water resources.
   D. Rivers dry up during the dry season.

46. Which of the following types of coal burns with great heat and little smoke?
   A. Anthracite
   B. Bituminous
   C. Lignite
   D. Peat

47. The hydro-electricity power station industry heavily depends on the following for its successful operation except ...
   A. large flat land.
   B. large demand of electricity.
   C. steep gradient.
   D. sufficient and constant volume of water.

48. Which one of the following minerals is not a source of energy?
   A. Coal
   B. Iron
   C. Petroleum
   D. Uranium

49. The major world producer of coal is ...
   A. Germany.
   B. South Africa.
   C. United Kingdom.
   D. Sweden.

50. When the coal seam is found deep under the sea, the method of mining used is ...
   A. marine mining.
   B. open cast mining.
   C. strip mining.
   D. shaft mining.
ECZ PAST PAPERS. REVISE AND PASS ECZ EXAMS-G7, G9 AND G12

DOWNLOAD FREE ECZ PAST PAPERS IN PDF.

GO TO:
WWW.ZEDPASTPAPERS.COM