YEKA SUB CITY EDUCATION OFFICE

GRADE 12 GEOGRAPHY MODEL EXAMINATION

TIME ALLOWED: 2:00 HOURS

THIS BOOKLET CONTAINS GEOGRAPHY EXAMINATION. IN THIS EXAMINATION, THERE ARE A TOTAL OF 100 MULTIPLE CHOICE QUESTIONS CANDIDATES ARE REQURED TO ATTEMPT QUESTIONS 1 – 100.

THERE IS ONLY ONE BEST ANSWER FOR EACH QUESTION. CHOOSE THE BEST ANSWER FROM THE SUGGESTED OPTIONS AND BLACKEN THE LETTER OF YOUR CHOICE ON THE ANSWER SHEET. USE ONLY PENCIL TO MARK YOUR ANSWERS. YOUR ANSWER MARKS SHOULD BE HEAVY AND DARK, COVERING THE ANSWER SPACE COMPLETELY. PLEASE ERASE ALL UNNECESSARY MARKS COMPLETELY INCLUDING ANSWERS YOU HAVE CHANGED FROM YOUR ANSWER SHEET. YOU WILL BE ALLOWED TO WORK TO WORK ON THE EXAM FOR 2 HOURS. WHEN TIME IS CALLED, YOU MUST IMMEDIATELY STOP WORKING, PUT YOUR PENCIL DOWN, AND WAIT FOR FURTHER INSTRUCTIONS. ANY FORM OF CHEATING OR AN ATTEMPT TO CHEAT IN THE EXAMINATION WILL RESULT IN AN AUTOMATIC DISMISSAL FROM THE EXAMINATION HALL AND CANCELLATION OF YOUR SCORE(S).

PLEASE MAKE SURE THAT YOU HAVE WRITTEN ALL THE REQUIRED INFORMATION ON THE ANSWER SHEET BEFORE YOU START TO WORK ON THE EXAMINATION.

DO NOT TURN THIS PAGE OVER UNTIL YOU ARE TOLD TO DO SO.

YEKA SUB CITY EDUCATION OFFICE GEOGRAPHY 2016 E.C MODEL EXAMINATION FOR GRADE 12TH

1. In which of the following geological eras was the present landform of Ethiopia formed?

A. Mesozoic B. Paleozoic C. Cenozoic D. Precambrian

2. The point from which the earthquake shock wave originate is called

A. Focus B. Epicenter C. Richter scale D. Seismometer

3. One of the following types of volcano is dead volcano

A. Active volcano B. Dormant volcano C. Gentle volcano D. Extinct volcano

4. Identify the correct order of the formation of sedimentary rocks of Mesozoic era, from the ancient to the recent:

A. Adigrat Sandstone - Upper Sandstone - Hintalo Limestone

B. Hintalo Limestone – Upper Sandstone – Adigrat Sandstone

C. Upper Sandstone – Hintalo Limestone – Adigrat Sandstone

D. Adigrat Sandstone – Hintalo Limestone – Upper Sandstone

5. Which one of the following indicators measures the total number of birth occurring in a given year, per 1000 population?

A. Crude birth rate B. Total fertility rate

C. Age specific fertility rate D. General fertility rate

6. As Dega is to Temperate, Bereha is to

A. Tropical B. Desert C. Temperate D. Sub-tropical

7. The most populous and the least populous regions of Ethiopia respectively are

A. Oromiya and Harari B. Amhara and Dire Dawa

C. Harari and Oromiya D. Oromiya and Amhara

8. One of the following indicates the disadvantage of globalization?

A. It creates new opportunities and benefits

B. Globalization is unable to avoid the divergent interest clashes between rich and poor country

C. The rules and principles by which globalization is governed has its own importance

D. It gives freedom of choice

9. Which one of the following refers to tertiary economic activity?

A. The provision of services

B. The processing of raw materials

C. The production of raw materials

D. The production of garments

10. One of the following economic system is fully controlled by the government

A. Mixed economy B. Traditional economy

C. Market economy D. Command economy

11. Conservation of natural resources describes all of the following except

A. Protection of natural resources from destruction

B. Preservation of nature with no change

C. Ensuring sustainable use of natural resources for the future generation

D. Wise and reasonable use of natural resources

12. Which one of the following is an indicator of global climate change?

A. Occurrence of high pressure and wind

B. Low variability of seasonal rainfalls

C. Regular occurrence of drought

D. Rise of temperature in different areas

13. Of the four main atmospheric layers which one is the correct upward sequence?

A. Thermosphere-mesosphere-troposphere-stratosphere

B. Stratosphere-troposphere-thermosphere-mesosphere

C. Mesosphere-thermosphere-stratosphere-troposphere

D. Troposphere-stratosphere-mesosphere-thermosphere

14. Of the following factors which one is a natural cause of world climate change?

A. Nuclear war B. Deforestation

C. Volcanoes D. Burning of fossil fuels

15. Which major physiographic region divides the highlands of ethiopia into two parts?

A. Rift valley B. Abay gorge

C. Dallol depression D. Southern lowland

16. Deserts are very hot or cold but all of them have:

A. Similar wind pattern B. Mild weather

C. High air pressure D. Dry climate

17. Which one of the following sub-branches of physical geography studies about waves and tides?

A. Geomorphology B. Climatology

C. Oceanography D. Biogeography

18. Which of the following statements is true about resources of the environment?

A. Renewable resources remain renewable for indefinite time

B. Non-renewable resources are abundantly available on earth

C. Environmental degradation is caused by proper use of resource

D. Wise use of resource is vital for sustainability of life on earth

19. Which of the following is a human-made cause for global climatic change?

A. Ocean currents B. Continental drift

C. Volcanoes D. Greenhouse effect

20. Which of the following is the effect of earthquake?

A. Surplus food production

B. Diversification of plant species

C. Shortening days and nights

D. The rise or fall of the sea floor

21. Who was the German scientist that formulated the continental drift theory?

A. Robert Hartshorne B. Thomas Malthus

C. Alfred Wegener D. Karl Marx

22. The third conference held in Rio de Janeiro in 1992 known as

A. The earth summit C. World summit

B. Sustainable development D. Brundtland report

23. Which one is not associated with wind action?

A. Barchans B. Land dune

C. Lagoon D. Loess deposit

24. According to Koppen's classification of climate letter B represents

A. Polar climate B. Dry climate

C. Highland climate D. Moist tropical climate

25. Which of the following is found only in the northern hemisphere?

A. Equatorial rainforest B. Coniferous forest

C. Tropical hot desert D. Mediterranean forest region

26. Of the following countries, which one is not contributes a drop of water to the nile river

A. Egypt B. Rwanda

C. Uganda D. Ethiopia

27. Global warming which is an aspects of climate change may be causes by all of the following factors except

A. Burning of fossil fuels

B. Emission of greenhouse gas to the atmosphere

C. Afforestation and reforestation

D. Removal of forest for different purpose

28. Solomon says today morning is cold, sunny afternoon and cloudy at the evening. Solomon state about

A. Climate B. Weather

C. Brightness of a day D. Cloudiness of a day

29. Which is not true about map?

A. It is a reduced representation of a given place

B. It represents as seen from vertically above

C. It is the exact representation of the surface of the earth

D. It represents features with the help of symbols

30. To which one of the following purposes AGOA was formed?

A. To enhance trade between USA and all African countries

B. To promote technological development in third world countries

C. To liberalize trade between USA and sub-Saharan Africa countries

D. To direct the economy on the agro-based industrialization policy

31. Which of the following is not the property of contour?

A. Contour lines never branch

B. Contour lines can cross one another

C. Contour lines are imaginary lines

D. Contour lines are drawn at a fixed height interval

32. Which of the following rivers is economically more utilized than the others?

A. Awash B. Baro

C. Wabishebelle D. Abay

33. Which of the following is the main agent of both chemical weathering and physical weathering?

A. Plant and animals action B. Temperature

C. Frost action D. Rain action

34. Which of the following is the largest hot desert in the world?

A. Colorado desert B. Atacama Desert

C. Kalahari Desert D. Sahara Desert

35. The distance on the map between Addis Ababa and Hawassa is about 5 cm with the scale of 1: 200,000 on a certain map of Ethiopia. The average elevations of the two are about 2500 and 1500 meters, respectively. What will be the gradient in percent and degree respectively?

A. 6 % and 10 °
C. 60% and 10 °
B. 10 % and 6 °
D. 100% and 60°

36. If we enlarge a map with a scale 1: 100,000 two times, what will be the scale of the new map?

A. 1:50,000
C. 1: 200,000
B. 1: 100,000
D. 1: 400,000

37. Which one of the following is a positive factor of population change?

A. Birth and immigration
B. Death and emigration
C. Birth and emigration
D. Immigration and emigration

38. The age structure of Ethiopian population implies that:

A. There is low dependency ratio in the country
B. The lower age group and middle age group are exactly equal in number
C. There is high dependency ratio in Ethiopia
D. The old age group is twice as large as that of lower age group

39. Which natural region is not found in Ethiopia?

A. Tropical rainforest region
B. Savanna region
C. Mediterranean climate region
D. Desert/semi-desert region

40. Where is the origin of wind that brings spring and autumn rain to Ethiopia?

A. Red sea
B. Atlantic Ocean
C. Indian ocean
D. Mediterranean Sea

41. Which one is the correct order of the three layers of the earth?

A. Core-crust-mantle
B. Crust-mantle-core

C. Crust-core-mantle D. Mantle-crust-core

42. Which of the following statements is true about continental drift theory?

A. Africa and Europe were the two super continents when Pangaea splits

B. It argued that all the landmasses were one continent called Laurasia

C. The entire landmasses were once covered with huge amount of water

D. It was formulated by the famous German scientist, Alfred Wegener

43. Which one of the following internal forces is responsible for the formation of the Ethiopian rift valley?

A. Faulting B. Earthquake

C. Folding D. Volcanism

44. Addis Ababa and awash are located at the same distance from the equator. What is the possible reason for the average annual temperature differences of the two areas?

A. Distance from the sea B. Continental effect

C. Variation in altitude D. Similarity in latitude

45. Which statement explains the relationship between latitude and temperature?

A. When latitude increases temperature decreases

B. Temperate areas receive more insolation than tropical lands

C. High latitude regions get more temperature than the equator

D. As we go from the equator towards the poles temperature increases

46. The difference between the highest and the lowest temperature of the day is known as

A. Mean daily temperature B. Daily range of temperature

C. Mean annual temperature D. Annual range of temperature

47. Ethiopia has the shortest boundary length with

A. Sudan B. Djibouti

C. Somalia D. Kenya

48. Which type of rock differs from others due to layers formed by accumulation of substances from marine or terrestrial origin?

A. Igneous B. Sedimentary C. Metamorphic D. Marble

49. Which of the following is large scale map?

A. 1: 80,000 C. 1: 40,000

B. 1: 60,000 D. 1: 100,000

50. The base and height of a right angle triangle are 2 cm and 4 cm, respectively. The scale is 1 cm to 5 km. What will be the ground area of the right angle triangle?

A. 200 sq.km C. 8 sq.km

B. 100 sq.km D. 4 sq.km

51. The ground distance between two places is 10 km. If this distance is represented by 2 cm on a map, what is the scale of the map?

A. 1 cm to 2 km C. 1 cm to 1 km

B. 1cm to 5 km D. 1 cm to 10 km

52. The outermost part of the earth is known as

A. Crust B. Mantle

C. Core D. Middle layer

53. In _____ slopes, the contour lines are widely spaced at the base and are close together at the top.

A. Concave B. Convex

C. Terraced D. Even

54. Which of the following are the characteristics of troposphere?

A. Has extremely low density B. Has constant temperature

C. Coldest part of atmosphere D. Uniformly temperature decrease with an increase in altitude

55. which one of the following is a modern method of showing relief on a map?

A. Hill shading B. Hachures

C. Contour lines D. Physiographic diagram

56. According to the distance-time decay concept, which one of the following is true?

A. Distance and time are negatively related

B. Time and distance affect the price of goods

C. Transport decreases interaction among people

D. Time and distance have no effect on human activities

57. Which one of the following is a major climatic control in Ethiopia?

A. Altitude B. Air pressure C. Ocean current D. Wind

58. What was the contribution of Alfred Wagner?

A. He calculated the circumference of the earth

B. He suggested and explained about the continental drift theory

C. He classified the world climate considering the types of vegetation

D. He taught the effect of population growth on subsistence

59. The radius of a circle is 5 cm. The scale is 1 cm to 4 km. What is the ground area of the circle?

A. 314 B. 628 C. 1256
D. 62. 8

60. If two places that are found at 6° N and 3 °N latitudes are 6 cm apart on a map, what is the areal scale of the map?

A. 1 cm to 222 km C. 1 cm to 1 km

B. 1 cm to 111 km D. 1 cm to 55.5 km

61. Which one of the following is not the evidence of continents were joined together?

A. Coastline similarities C. Fossil evidence

B. Ocean similarities D. Rock type and structural similarities

62. Which one of the following theory is developed in the late 1960s to explain how the outer layers of the earth move and deform?

A. Continental plate theory C. Oceanic theory

B. Plate tectonics theory D. Evolution theory

63. Which one of the following plate boundaries occur where plates move away from each other at oceanic ridges?

A. Divergent plate boundary C. Convergent plate boundaries

B. Transform fault boundaries D. Plate boundary

64. The process by which molten rock or magma together with gaseous and solid materials forced out on the surface of the earth is

A. Folding B. Faulting C. Earthquakes D. Volcanisms

65. Which one of the following mountains is found in Africa?

A. Andes B. Atlas C. Rockies D. Alps

66. Which one of the following land forms is formed when the land between two faults sinks down?

A. Block mountain B. Rift valley C. Volcanic mountain D. Horst

67. The sudden shaking of the ground that occurs when mass of rock change position below earth's surface is called

A. Volcanism B. Folding C. Faulting D. Earthquake

68. The Richter scale indicated nine. What does it mean?

A. Extremely severe B. No movement C. Mild D. Sever

69. About 80 percent of the energy released in earthquake comes from

A. West coast of North and South America C. East coast of North and South America

B. South Europe and North Africa D. Great Rift Valley of east Africa

70. The holes or openings like a pipe throw which magma flows out into the surface of the earth is

A. Vents B. Fissures C. Hole D. Well

71. One of the following is wrong combination. Which one is it?

A. Extinct volcano___Mt. Zuquala C. Dormant volcano___Mt.Kilimanjaro

B. Active volcano___Erta Ale D. Dormant volcano___ Andes

72. Where is Mount Kilimanjaro found in Africa?

A. Kenya B. Uganda C. Tanzania D. Ethiopia

73. Which one of the following is the most common volcanic form?

A. Shield volcanoes B. Strato volcanoes C. Cinder cones D. Calderas

74. Which one of the following rivers is that pass through limestone areas often flows underground through cave?

A. Abay river B. Weyb River C. Baro river D. Wabeshebele River

75. Which landform associated with the upper course of river?

A. Canyon B. Confluence C. Delta D. Meander

76. A land surface formed from sediments deposited along the banks of the lower course of a river is

A. Delta B. Flood plain C. Meander D. Canyon

77. Which one of the following is not categorized under the important greenhouse gases?

A. Oxygen B. Carbon dioxide C. Methane D. Nitrous oxide

78. Which one of the following is not true about the third assessment report of IPCC?

A. The 1990 had been the warmest decade worldwide

B. The 1998 had been the coldest year

C. The twentieth century was likely to have been the warmest century

D. Most of the warming experienced over the past 50 years has resulted from human activities

79. According to the IPCC report in 2001, the mean global temperatures will increase from

A. 1.5^{o}c to 5.8^{o}c B.8^{o}c to 12^{o}c C. 0.5^{o}c to 1.5^{o}c D. 6.5^{o}c to 9.5^{o}c

80. Which one of the following is not anthropogenic activities for the causes of global warming?

A. Deforestation B. Fossil fuel C. Factories smoke D. Volcanic eruption

81. Which one of the following is not natural cause of climate change?

A. Incoming solar radiation C. The composition of the atmosphere

B. The earth's surface D. Anthropogenic activities

82. Which one of the following is not included in Milutin Milankovitch cycle?

A. Wobbling B. Eccentricity C. Obliquity D. Acceleration

83. Among natural causes of climate change which one is the greatest impact on climate?

A. Folding B. Faulting C. Earthquake D. Volcanic eruption

84. Which one of the following is not indicator of global warming?

A. Snow cover increase C. Temperature over land increase

B. Glacier smelt D. Sea level rise

85. Which one of the following is not the most commonly identified adaptation strategies in Ethiopia?

A. Water harvesting B. Terracing C. planting trees D. Deforestation

86. An adaptation strategy that takes place after the initial impacts of climate change have occurred is

A. Anticipatory B. Reactive C. Autonomous D. Planed

Questions 87-90 refer to the demographic data of a hypothetical region given in the table below.

Country	Total population	Total area	Female population	Child population (%)	Old age population %	% of urban population	% of cultivated land
A	1,000,000	10,000	400,000	30	20	50	50

87. What is the sex ratio of the region?

A. 100/100 C. 1/100

B. 150/100 D. 10/100

88. Age dependency ratio (ADR) of the region is

A. 100/100 B. 1 C. 1/100 D. 10/100

89. What is the crude density (CD) of country A?

A. 1 B. 10 C. 100 D. 1000

90. What is the agricultural density (AD) of country A?

A. 10 B. 1000 C. 1 D. 100

91. What is the fundamental response strategy highlights by the United Nations Framework Convention on Climate Change/UNFCCC/?

A. Adaptation B. Mitigation C. Greenhouse gases emission D. A and B

92. Which one of the following was not set up the world climate program?

A. WMO B. UNEP C.FAO D. ICSU

93. Which one of the following conference recognized that climate change is a common concern of mankind, since climate is an essential condition which sustain life on earth?

A. Toronto conference B. Kyoto protocol C. Paris conference D. Bonn conference

94. Which one of the following agreement was not held at Bonn agreements?

A. An emissions trading system C. Afforestation

B. Clean Development Mechanism/CDM/ D. A and B

95. Which one of the following country was announced its intention to withdraw from Paris agreement in mid-2017?

A. USA B.UK C. France D. German

96. Which one of the following is not a positive benefit of the cutting down on the emissions of greenhouse gases and pollutants?

A. Increase haze C. Reducing global warming

B. Reducing acid rain D. Slow the production of photochemical smog

97. Which one of the following is not the pillars of the climate resilient green economy of Ethiopia?

A. Improving crop and livestock production practices

B. Protecting and reestablishing forests

C. Expanding electricity generation from nonrenewable sources

D. Leapfrogging to modern and energy efficient technologies

98. Which one of the following is not the 2030 SDG agenda’s goals?

A. No poverty B. Unaffordable and clean energy C. Zero hunger D. Gender equality

99. Which one of the following is true about renewable resources?

A. The resources that are recurrent C. They do not replenish

B. They are fund resource D. They are diminished

100. Which one of the following is not pillars of public participation?

A. The right access to information C. Access to justice

B. Public participation in decision making D. Maladministration