JOINT UNIVERSITIES PRELIMINARY EXAMINATIONS BOARD (JUPEB)
2015 EXAMINATIONS

GEOGRAPHY: MSS-J134

MULTIPLE CHOICE QUESTIONS

1. In which of the following options is the soil matched with the wrong type of climate?
   A. Podzol: Cool temperate
   B. Chernozem: Temperate desert
   C. Brown soils: Warm temperate
   D. Lateritic soils: Tropical

2. At the summer solstice (June 21), which of the following latitudes will have the shortest night?
   A. 60°N
   B. 30°N
   C. 30°S
   D. 60°S

3. Which of the following sedimentary rocks is mechanically formed?
   A. Chalk
   B. Coal
   C. Shale
   D. Limestone

4. Cultural landscape as a concept refers to
   A. The total portions of the earth system made by man
   B. Land devoted to cultural activities
   C. The untampered-with land
   D. Lands under ownership dispute

5. Identify the reason villages and cities are said to be mutually complementary for the sustenance of man.
   A. Agricultural produces of rural areas feed the city dwellers while manufactures used in the villages are dominantly made in urban areas
   B. The percentage of rural dwellers far exceeds that of the city dwellers globally.
   C. The oldies retire to the rural areas always.
   D. More people reside in urban than rural areas.

6. Large scale unemployment in the less developed cities of the world is caused by
   A. Lack of security
B. Affected cities are flashpoints of economically and politically motivated protests
C. High level of urban-rural migration
D. Low rate of development

7. A scale of 1:100,000 is the same as
   A. 1cm:10km
   B. 1cm:100km
   C. 1cm:1000km
   D. 1cm:1km

8. If the vertical interval between two locations on a map is 500 metres and the horizontal distance between them is 5000 metres, what is the average gradient between the two places?
   A. 1:50
   B. 1:5
   C. 1:10
   D. 1:100

9. On a topographic map, the index to adjoining sheet is used to
   A. Know the latitudinal location of the map
   B. To show clearly the features on the map
   C. To locate magnetic north on the map
   D. To know the next adjoining sheet in the map series

10. In the USA, short and long grasses can be found in which region?
    A. rocky areas
    B. woodland areas
    C. prairies
    D. forests

11. Tropical Climate is found in which part of North America
    A. Eastern
    B. Southern
    C. Western
    D. Northern

12. Which of the following aspects of Nigerian climate increases from south to north?
    A. Average annual rainfall
    B. Length of rainy season
    C. Length of dry season
    D. Dependability of rainfall

13. The main industrial activities in Nigeria are concentrated in the following zones
    EXCEPT
    A. Lagos – Ikeja axis
    B. Kaduna – Kano-Jos
    C. Aba-Port Harcourt
    D. Lokoja – Ajaokuta zone
14. What are the two prominent economic potentials of the Chad Basin?
   A. Fishing and irrigation agriculture
   B. Fishing and Tourism
   C. Tourism and petroleum drilling
   D. Sorghum and livestock production
   E. Fishing and wheat production

15. One of the theories which describe the birth of the universe is
   A. Gravitational law
   B. Law of Relativity
   C. Bing Bang
   D. Origin of Species

16. The satellite of the earth is
   A. Sun
   B. Stars
   C. Moon
   D. Spot

17. The major minerals of the continental crust are
   A. Sima
   B. Sial
   C. Olivine
   D. Phosphorus

18. The first country to travel within our solar system is
   A. USA
   B. Britain
   C. Defunct USSR
   D. Russia

19. Orogeny means
   A. Ocean moving
   B. Faulting
   C. Mountain building
   D. Continental drifting

20. Mass wasting is the movement of rocks under the force of
   A. Relativity
   B. Coriolis
   C. Centripetal
   D. Gravity.

21. Hydraulic action is usually followed by
   A. Cavitation
   B. Digging
22. The only input into hydrological cycle is
   A. Evaporation
   B. Transpiration
   C. Rainfall
   D. Precipitation

23. The variation of the discharge of a river over a short time is depicted by a _________
   A. Graph
   B. Bar chart
   C. Histogram
   D. Storm Hydrograph

24. Which of the following is not an agent of erosion?
   A. Waves
   B. Wind
   C. Glacier
   D. Thunder

25. The dominant feature of interest to human geographers is
   A. The cultural landscape
   B. Technology
   C. Innovation
   D. Acculturation

26. One of the major attributes of a megacity like Lagos is
   A. It is a conglomerate of many smaller settlements
   B. It has the largest percentage of elderly people
   C. It has a very efficient transportation system
   D. It has no employment problem

27. What is the time in Nigeria when it is 1:30pm in London?
   A. 3:30 pm
   B. 2:30pm
   C. 2:30 am
   D. 3:30 am

28. When water recharge is equal to discharge, the water table is ………………..
   A. Unstable
   B. Stationary
   C. High
   D. Low

29. Igneous rocks formed below the earth’s crust are called ……………….. igneous rocks
A. Metamorphic  
B. Plutonic  
C. Extrusive  
D. Volcanic  

30. The followings can cause environmental degradation **EXCEPT**  
   A. Polymer fertilizer  
   B. Flooding  
   C. Erosion  
   D. Conservation  

31. What is the best method used in ploughing steep topography  
   A. Heap  
   B. Excavation  
   C. Contour ploughing  
   D. Overturn ploughing  

32. The following are factors of fertility rate **EXCEPT**  
   A. Culture  
   B. Poverty  
   C. Sports  
   D. Religion  

33. The following countries export vegetation resources **EXCEPT**  
   A. Nigeria  
   B. Congo  
   C. Benin  
   D. Ivory coast  

34. The busiest shipping route in the world is  
   A. North Atlantic route  
   B. Panama canal  
   C. Suez canal  
   D. Cape of good hope  

35. Who owns and controls Panama Canal?  
   A. Panama city  
   B. USA  
   C. Venezuela  
   D. Mexico  

36. The origin of disparity in regional development in Nigeria is  
   A. Colonial administrative policies  
   B. Low market  
   C. Hostile business environment  
   D. Absence of raw materials
37. Movement of industries out of the great lake region of USA is an example of ............
   A. Industrial transfer
   B. Deindustrialization
   C. Industrial transition
   D. Industrial change

38. Nigerian refineries are not functioning because................
   A. It is cheaper to refine outside
   B. Poor management and corruption
   C. Lack of capital
   D. Lack of raw materials

39. The surface zone of the earth that is occupied by living organisms is referred to as the
   A. Atmosphere
   B. Lithosphere
   C. Biosphere
   D. Hydrosphere

40. Sedimentary rocks are distinguished from other rocks by their
   A. Strata
   B. Joints
   C. Compact Nature
   D. Crystalline nature

41. This is not a feature of the upper course of a river
   A. Oxbow lake
   B. River capture
   C. Gorge
   D. Rapids and cataracts

42. Tropical Monsoon climate is found in this area
   A. Central America
   B. Coasts of West Africa
   C. Amazon Basin of South America
   D. North Africa

43. Which of these statements is true of Africa?
   A. Africa is the fourth largest continent in the world
   B. Africa is the least urbanized continent
   C. Tropical Africa is so warm that nowhere within it can you find snow or ice
   D. Africa produces nearly all the world’s hard-wood timber

44. Industries can be classified as either light or heavy. Which of the following groups of
industries can be classified as light?
   A. Foot wear and Block making
B. Iron and steel and Cement
C. Tobacco and Automobile
D. Petroleum and Chemical

45. Which of the following countries is an important producer of crude oil?
   A. Germany
   B. Kuwait
   C. South Africa
   D. Ethiopia

46. What is the commodity associated with OPEC?
   A. Iron and steel
   B. Crude oil
   C. Vegetable oil
   D. Sugar

47. Which of the following shipping routes carries the world’s harvest ocean traffic?
   A. Mediterranean Suez Canal-Indian Ocean
   B. Western – Caribbean
   C. Eastern North America – Western Europe
   D. West Coast United State – Panama Canal

48. The major causes of population dynamics are
   A. Birth, Deaths and Migration
   B. Births, Marriage and Divorce
   C. Deaths, Disease and Divorce
   D. Birth, Accidents and Deaths

49. Convert the scale 1cm to 4.5km to Representative Fraction
   A. 1:450,000
   B. 1:45,000
   C. 1:90,000
   D. 1:44,000

50. In the calculation of average gradient, two things are involved.
   A. Elevation and depth
   B. Vertical exaggeration and internal equivalent
   C. Vertical Interval and horizontal equivalent
   D. Vertical equivalent and horizontal Internal
GEOGRAPHY ESSAY QUESTIONS

1. A. Define the term weathering. (3 marks)
   B. Name any two processes of mechanical weathering and explain each of them. (10 marks)
   C. Name one region in which mechanical weathering is most common. (2 marks) 001

2. Define urbanization and explain the major problems associated with urban centres in the less developed regions of the world. (15 marks) 002

3. Describe and explain the differences between tropical rainforest and Savannah vegetation. (15 marks) 001

4a. What is lumbering?
   b. State the economic value of lumbering
   c. What are the problems associated with lumbering? 002

5. What are the factors favouring cotton production in Southern USA? (15 marks) 004

6. A. Define the term scales and by illustration describe the types of scales used by geographers (5 marks)
   B. Discuss five (5) methods of showing relief on topographical maps. (10 marks) 003

7. Give geographical account of the following:
   (i) Bush fallowing in West Africa (9 marks) 004
   (ii) The decline in Bush fallowing (6 marks)

8. Use the map below to answer the following questions
(a) Identify A, Z, S, U. (4 marks)

(b) List the functions of SABE Settlement? (5 marks)

(c) State the vertical interval for SABE settlement (1 mark)

(d) What is 110? (1 mark)

(e) Swamp rice and sugar cane plantation can best be cultivated in letter ........ (1 mark)

(f) State the direction of flow of River Ayila? (1 mark)

(g) Describe the drainage pattern exhibited be River Ayila and its tributaries (1 mark)

(h) Limestone could possibly be located in which settlement, state your reason (1 mark)