



JOINT UNIVERSITIES PRELIMINARY EXAMINATIONS BOARD

JUNE 2020 EXAMINATIONS

JUPEB/009

GEOGRAPHY

MSS – J134

Time Allowed: 3 Hours

SECTION A: MULTIPLE CHOICE QUESTIONS

Answer all questions in this section.

Use the OMR answer sheet provided to answer the questions. Follow the instructions on the OMR sheet.

SECTION B: ESSAY QUESTIONS

Answer FOUR questions; ONE question from each course.

SECTION A: MULTIPLE CHOICE QUESTIONS:

Answer ALL Questions.

1. Which planet has the largest number of known satellites?
 - A. Jupiter.
 - B. Saturn.
 - C. Uranus.
 - D. Neptune.

2. A narrow stretch of water connecting two oceans or seas is called a/an
 - A. isthmus.
 - B. straight.
 - C. continent.
 - D. peninsular.

3. Which of the following is a result of tectonic forces?
 - A. Fissure volcano.
 - B. Ash cone.
 - C. Rift valley.
 - D. Caldera.

4. Which of the following examples of rocks would fit into the description of being non-crystalline and containing fossils?
 - A. Diorite.
 - B. Shale.
 - C. Gneiss.
 - D. Gabbro.

5. The process by which the load of a river is moved in a series of hops or jumps along a river bed is called
 - A. traction.
 - B. saltation.
 - C. suspension.
 - D. solution.

6. If it is 6.00 p.m. in Philippines, what will be the time in Panama Canal, which is 180° west of it?
- A. 6.00 a.m.
 - B. 6.00 p.m.
 - C. 8.00 a.m.
 - D. 8.00 p.m.
7. If the temperature at the foot of Idanre hills in Ondo state, Nigeria is 31.7°C . What is the temperature at the peak of the hill, which is 2000m above sea level? Note that the environmental lapse rate is 0.65°C per 100m.
- A. 28.5°C
 - B. 28.7°C
 - C. 18.7°C
 - D. 18.5°C
8. The latitude is the angular distance of a point on the Earth's surface with respect to the
- A. equator.
 - B. prime meridian.
 - C. pole star.
 - D. tropic of Cancer.
9. What is the length of the equatorial diameter of the Earth?
- A. 12,797km
 - B. 12,757km
 - C. 12,737km
 - D. 12,717km
10. The difference in the duration of day and night increases as one moves from
- A. Equator to poles.
 - B. Poles to equator.
 - C. Tropics to equator.
 - D. Plains to mountains.

11. When the Earth is at its maximum distance from the sun it is said to be in
- A. aphelion.
 - B. perihelion.
 - C. apogee.
 - D. perigee.
12. Faulting results normally due to
- A. vertical earth movement.
 - B. horizontal movements leading to compression.
 - C. both horizontal and vertical earth movements.
 - D. horizontal tensional earth movement.
13. The fall of temperature in the atmosphere with increasing height is called
- A. lapse rate.
 - B. thermal loss.
 - C. adiabatic rate.
 - D. temperature rate.
14. Cultural landscape can be defined as a
- A. landscape designed and created intentionally by man.
 - B. landscape destroyed and produced back by man.
 - C. landform originated from nature.
 - D. landform combined by ecosystem and man.
15. Environmental determinism is known as climatic determinism while possibilism is known as
- A. ecology possibilism.
 - B. cultural ecology.
 - C. cultural determinism.
 - D. ecology determinism.
16. The rudimentary form of transport used in early times is
- A. head portorage.
 - B. canal transportation.

- C. road transport.
- D. pipeline transport.

17. Ubiquitous availability of water results in

- A. nucleated settlements.
- B. Dispersed settlements.
- C. Compact settlements.
- D. a few settlements.

18. The most important factor influencing the distribution of population is

- A. relief.
- B. climate.
- C. soils.
- D. religion.

19. Which type of settlements are likely to develop in areas of low water table?

- A. Widely spaced small settlements.
- B. Closely spaced small settlements.
- C. Widely spaced large settlements.
- D. Uniformly spaced large settlements.

20. It is inappropriate to classify settlement with one of the following.

- A. Shape.
- B. Age.
- C. Population Density.
- D. Function.

21. Which of the following influences the growth of settlement?

- A. Population structure.
- B. Climate.
- C. Biota.
- D. Mineral resources.

22. The best method to distinguish the urban from rural areas is in its

- A. population.
 - B. land area.
 - C. function.
 - D. morphology.
23. Which of the following patterns is correct for the stages of a settlement growth?
- A. Hamlets, villages, towns, cities, conurbations, megalopolis.
 - B. Hamlets, villages, cities, towns, conurbations, megalopolis.
 - C. Towns, cities, nodal towns, conurbations.
 - D. Villages, cities, towns, conurbations.
24. Some countries in the fifth stage of the demographic transition model still have positive Population growth. This situation is accounted for by demographic momentum and
- A. net migration loss.
 - B. net migration gain.
 - C. high fertility rate.
 - D. high mortality rate.
25. The form of internal migration responsible for rural depopulation is
- A. rural-rural migration.
 - B. urban –urban migration.
 - C. rural-urban migration.
 - D. urban-rural migration.
26. The relationship between the economically active population and the non-working population is
- A. critical ratio.
 - B. economic ratio.
 - C. employment ratio.
 - D. dependency ratio.
27. Which one of the following is/are primary economic activity/activities?
1. Transport, 2. Communications, 3. Mining, 4. Manufacturing, 5. Farming
- A. 1, 3 and 5

- B. 2, 3 and 4
- C. 2 and 3
- D. 3 and 5

28. The equivalent of the distance measured on the map to what it is on ground is called

- A. map scale.
- B. map key.
- C. map legend.
- D. map title.

29. A saddle is

- A. a narrow depression on a flat land.
- B. a wide depression at the foot of a hill.
- C. a narrow depression in-between two peaks of highland.
- D. a wide depression in-between two peaks of a highland.

30. Which of the following is a type of map scale?

- A. Ratio scale.
- B. Linear scale.
- C. Ordinal scale.
- D. Interval scale.

31. Relief refers to the difference in

- A. air pressure.
- B. colour.
- C. weather.
- D. elevation.

32. A hill with a steep slope on one side and a gentle slope on the other side is called

- A. a spur.
- B. a cuesta.
- C. a ridge.
- D. a knoll.

33. Identify a large scale map from the options below.

- A. 1: 5,000
- B. 1:50,000
- C. 1:100,000
- D. 1:10,000,000

34. If the Statement Scale '3cm is to 30km' is converted to RF scale, what will be the answer?

- A. 1:30,000
- B. 1:100,000
- C. 1:300,000
- D. 1:1,000,000

35. On a map with a scale of 1:25,000 find the area of a University campus which is represented by a rectangle measuring 12cm by 19cm.

- A. 3.37 sq. km
- B. 14.25 sq. km
- C. 28.45 sq. km
- D. 15.75 sq. km

36. What landform does the diagram below indicate?



- A. Spur.
- B. Saddle.
- C. Promotory.
- D. Escarpment

37. The most suitable relief features for the construction of a transport route, power line, or communication line is

- A. pass.

- B. col.
 - C. saddle.
 - D. gorge.
38. The odd member of the following GIS hardware devices is
- A. digitizer.
 - B. keyboard.
 - C. printer.
 - D. algorithm.
39. There is the possibility of inter-visibility between two locations if
- A. there is a contour line with a higher value between the two locations.
 - B. there is a convex slope between the two locations.
 - C. there is a concave slope between the two locations.
 - D. one of the location is at the base of a plateau and the other at the top of the plateau.
40. A segment of a river measures 5.3cm on a map drawn at a scale of 1:75,000. What is the actual length of the river segment on ground?
- A. 3.975km
 - B. 7.066km
 - C. 10.6km
 - D. 0.53km
41. Most countries in West Africa were colonized by the
- A. Portuguese
 - B. English.
 - C. Spanish.
 - D. French.
42. Which of the following is a country in the ECOWAS sub-region?
- A. Mauritania.
 - B. Cameroun.
 - C. Chad.
 - D. Equatorial guinea.

43. People living in the region of crustal compression need to prepare for
- A. earthquakes.
 - B. droughts.
 - C. hurricane.
 - D. tsunami.
44. The sector of the economy which engages in production and offering of services is known as
- A. primary sector.
 - B. secondary sector.
 - C. tertiary sector.
 - D. principal sector.
45. Which of the following environmental hazards is predominantly due to human activities?
- A. Hurricanes.
 - B. Ozone layer depletion.
 - C. Earthquakes.
 - D. Tsunamis.
46. Tourism is a leading industry in which of the following countries in West Africa?
- A. Nigeria.
 - B. Ghana.
 - C. Liberia.
 - D. The Gambia.
47. Local depletion of mineral resources is inevitable because
- A. mining is very exhaustive.
 - B. amount of resources is limited.
 - C. resources are available in a very dispersed state.
 - D. mining concentrates in only few locations.
48. The origin of disparity in regional economic development in Nigeria is
- A. colonial administration policies.

- B. low market.
- C. hostile business environment.
- D. absence of raw material.

49. Which food crop is most widely cultivated in the world?

- A. Rice.
- B. Wheat.
- C. Maize.
- D. Alfalfa.

50. In multilateral trade the

- A. trade volume of two countries will not be equal.
- B. trade volume of two countries will be equal.
- C. trading is compulsory with all partners.
- D. the balance of trade is zero.

SECTION B: ESSAY QUESTIONS.

Answer FOUR Questions; ONE from each Course.

GRY 001 - PHYSICAL GEOGRAPHY

- Draw and label a diagram that shows the four major positions of the Earth during its revolution around the sun. **[9marks]**
 - Describe three effects of the revolution of the Earth. **[6marks]**
- What is a karst region? **[2marks]**
 - Mention four characteristics of a karst environment. **[4marks]**
 - With the aid of a diagram describe four underground features in a karst environment. **[5marks]**
 - State four importance of a karst region. **[4marks]**

GRY 002 – HUMAN GEOGRAPHY

- What is Urbanization? **[3 marks]**
 - Give five causes of urbanization. **[5 marks]**
 - Describe any seven effects of urbanization. **[7 marks]**
- Outline and critique the Malthusian theory of population. **[15marks]**

GRY 003 –MAP READING AND INTERPRETATION &GIS

- What is meant by grid reference system? **[2¹/₂ marks]**
 - State two uses/importance of the grid reference system. **[2marks]**
 - What is GIS? **[2¹/₂ marks]**
 - List four sources of GIS data. **[4marks]**
 - List four areas of GIS application. **[4marks]**
- Briefly explain each of the following landform features and use appropriate diagrams to illustrate both the contours and shape of each feature:
 - Gentle slope **[3marks]**
 - Steep slope **[3marks]**
 - Concave slope **[3marks]**

(d) Convex slope [3marks]

(e) Escarpment [3marks]

GRY 004 – REGIONAL GEOGRAPHY

7. (a) Define Plantation Agriculture. [3 marks]

(b) Discuss the challenges facing Plantation Agriculture in West Africa. [12 marks]

8. Discuss the positive and negative impacts of trading between Nigeria and North America. [15 marks]