**1.**Calculate the local time of a place x(300E) when it is 14:00pm at y(300w) / 2marks

2. Explain any two ways how geography is related to physics / 2marks

4.Explain the meaning of the following terms.

a)Biogeography.

b)Hydrography.

c)Climatology. 5marks

d)Geology.

É)Oceanography

f) Geomorphology

5a)State the characteristics of the moon. /4marks

b)Explain the difference between the waxing crescent and waning crescent moon?/ 2marks

6.Distinguish between gutenberg Discontinuity and Mohorovicic Discontinuity. /2marks.

7a)Name: a) The volcano located between Rwanda, RDC and Uganda.

 b)The volcano located between Rwanda and Uganda.

 c)The highest volcano in Rwanda and its Altitude.

 d)The tributaries of river Akagera.

 e) Two lava dammed lakes in Rwanda. / 7marks

8.a)What are contours? / 1mark

b)Explain the different methods of representing relief on maps. / 5marks

9a) Explain the distinctive features of planet earth / 5marks

10.a) Define a rock / 1mark

b) Describe how sedimentary rocks and metamorphic rocks are formed. 2marks.

c) Explain any 5 significances of rocks to mankind /5marks

11a) In which galaxy is our planet located? / 1mark

b) Explain the different galaxies found in the universe / 5marks

12.Distinguish between Magma and Lava. / 2marks

13.a)Define atmosphere/ 1mark

b) Explain the characterstics of troposphere / 3marks

14. Soil is the top most layer of the earth’s crust in which plants grow on,

a) Give 4 components of soil. / 2marks

b)Give the difference between soil profile and soil catena. /2marks

c)Explain atleast 3 factors that are responsible for soil formation process. / 3marks

d) Explain any three economic importance of soil to man / 3marks

15.a)Drawa sketch map of Africa and on it indicate. / 4marks

i) Two fold mountains

ii) Lake Victoria

ii) The great rift valley

iv) Atlantic ocean

b)Explain the impacts of fold mountains to the people in areas where they are found /6marks

16.a)Explain two types of igneous rocks / 2marks

b) Explain the characteristics of igneous rocks / 2marks

c)Differentiate between chemical weathering and physical weathering / 2marks

d) Explain the processes of chemical weathering / 4marks

17.a) State 3 uses of vegetation ( 3 marks)

b) Explain 4 factors that influence the presence of vegetation in a region. / 2marks

c) What type of vegetation covers the largest areas in East Africa? / 1mark

d)Explain the human economic activities that pose a threat to forest conservation on Rwandan forest reserves. 4marks

18.a) Define the following terms:

i)Death rate.

ii)Birth rate.

iii)Population structure. / 5marks

iv)Life expectancy

v)population distribution.

b) Explain the factors influencing population distribution in Rwanda. /5marks

19 (a) What is population census?

(b) Give a reason to explain why most countries carry out population census.

(c) Give the major problems facing population in Rwanda.

20. (a) Define the following terms :

1. Population
2. Population density
3. Population growth
4. Population distribution

(b) Identify and explain any 4 factors influencing population distribution and density in Rwanda.

21. (a) What is meant by plantation agriculture?

 (b) Name three crops grown on plantations in Rwanda.

 (c) Name one district where tea is grown.

22. Mining is one of the economic activities carried out in the World.

1. Define the term mining?
2. Identify three methods used in mining in Rwanda.

23. (a) Distinguish between renewable energy and nonrenewable energy resources .

 (b) Name any 4 energy resources in Rwanda.

24. (a) Name any 4 tourist attractions in Rwanda .

 (b) Give any 3 reasons to explain why tourism is more developed in

 kenya than Rwanda.

25. Road transport is a commonly used mode of transport in Rwanda.

 (a)Explain the advantages and disadvantages of using road transport.

 (b) Give and explain two factors limiting road transport in Rwanda.

 26. (a) What is meant by the term trade ?

 (b) Explain 4 problems facing trade in Rwanda.

 (c) Describe two ways in which Rwanda can correct its problems of trade.

27. (a) What is the difference between a forestation and re-a forestation.

 (b) Give any 3 natural forests of Rwanda.

28. (a) Explain the difference between fish preservation and fish conservation.

 (b) Outline the methods of fishing used in Rwanda.

(c )Explain any five problems faced by fishing and fish farming in Rwanda

29. (a) Define the following terms :

1. Live stock farming.
2. Dairy farming.

 (b)Briefly describe the characteristics of dairy farming.

 ( c) Explain the ways how livestock farming is being improved in Rwanda

30. (a) Name three different national parks of Rwanda and the attraction of each

 park.

 (b) Explain the importance of tourism in Rwanda.

31. (a) Explain the reasons why people migrate rural areas to towns .

 (b) Give and explain six problems faced by urban centres.

32. The Government of Rwanda is encouraging its citizens to live in well establish regrouped settlements called “Imidugudu”.

(a) What are the advantages and disadvantages of rural schemes (Imidugudu).

(b) Give 4 problems affecting rural settlements.

33. (a) Outline any 4 major urban centres in Rwanda.

 (b) Explain the functions of Kigali city.

34(a). Explain the influence of equatorial forests on human activities in Africa

 / 10 marks

b)State the challenges faced in using equatorial forest regions / 5marks

35. copy and complete the following table of organically sedimentary rocks. / 6marks

|  |  |  |
| --- | --- | --- |
| Type of organically formed sedimentary rock | Formation process | Example |
| Calcareous |  |  |
| Siliceous |  |  |
| Ferruginous |  |  |

36.a) Explain the type of drainage patterns likely to be found around mount Kenya / 2marks

b) Discuss four ways in a river transports its load / 4marks

c) Explain any four ways in which rivers influence human activities / 4marks

37. a) Define the fault steps / 1marks

b) Describe two theories that have been advanced to explain the formation the of a rift valley. / 6marks

c) Explain four ways in which faulting influences human activities / 4marks

38. a) Explain the meaning of deforestation. /1mark

 b) State five effects of deforestation to the environment / 5marks

 c) Describe how Rwanda is trying to conserve its environment / 4marks

39.a) State the major pressure belts of the world / 4marks

 b) With the aid of diagrams, explain what is meant by land breezes and sea breeze

40. Explain the difference between mechanical weathering and chemical weathering, / 2marks

41. a) State the characteristics of the sun / 3marks

b) Explain the importance of the sun to man / 4marks

42. a)What is meant by the term “ Universe” ? 2marks

b) What is the difference between cluster and constellation? / 2marks

43. a) Define the term Galaxy. /1mark

 b) State the different types of galaxies found in the universe. / 4marks

 c) Name the galaxy in which our planet Earth is located / 1mark

44. Giving examples for each, explain the different types of planets / 4marks

45. a)What is the difference between faulting and folding / 2marks

 b) With the aid of a well diagram explain how tensional force theory can lead to a rift valley.

46,a) Define the term River rejuvenation and river reversal / 2marks

b) Explain the four ways how a river a rode its channel / 4marks

47. Explain the major causes of river rejuvenation / 4marks

48.a) State two tributaries of river Nyabarongo / 2marks

b) Explain the significance of river Nyabarongo to Rwandans / 6marks

49.a)What is irrigation farming/ 1 mark

b) Mention any 4 countries that experience arid climate conditions / 2marks

c) Why is irrigation practiced in many parts of East Africa today / 3marks

d) State the country in East Africa where the farming system in ( a) above is practiced most and why? 1mark

50. What are differences between nucleated, dispersed and linear settlement. / 6marks

51. Distinguish a fault from a fracture

52. Differentiate compressional forces and tensional forces / 4marks

53. State the instruments used to measure the following elements of climate and give their isolines.

i) Precipitation

ii) Humidity

iii) Cloud / 6marks

54. Identify any three fold mountains of Europe / 3marks

55. Mention any four land forms that can be formed in youthful stage / 4marks

56. a) How do we call a raised part and a down parts of faulting / 2marks

 b) Differentiate a tilt block and a hade / 4marks

57. State any two main causes of volcanicity / 4marks

58a) What is an escarpment? / 2marks

 b) With the aid of diagrams explain how compressional forces can form a rift valley / 4marks

c) State any four types of folds / 4marks

59a) Distinguish Focus from epicenter as used in Earthquakes. / 2marks

b) Explain any two types of longitudinal surface waves / 4marks

c) Describe how gravitative pressure and tectonic movements are the causes of Earth quakes

60.a)State any three agents of physical weathering / 3marks

b) Distinguish exfoliation from block disintergration as types of physical weathering / 2marks

61a) Discuss how vegetation and relief are the factors the factors that influence weathering / 4marks

b)Give any four advantages of weathering to Agriculture / 4marks

62.a) Draw a sketch map of Africa and make and name:

i) areas of high population density ( 2marks)

ii) Areas of low population density ( 2marks)

b) Explain the population problems in Rwanda. / 6marks

63. Explain the reasons why people migrate from rural areas to towns. / 4marks

64.a) Describe the formation of a block mountain / 5marks

b) Explain the importance of mountains to man / 5marks

65. a) Describe the formation of the following lake types.

i) Down warped lakes. 3marks

ii) Lagoon lakes. / 2marks

b) Explain problems faced by the people living a round lakes / 5marks

66a)Explain the meaning of weathering / 1mark

b) Explain the following processes of chemical weathering:

i) Oxidation

ii) Carbonation.

iii) Hydrolysis.

END