

ESM102 List of Questions

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Q1 About 8.1 million sq km have become desertified in the past 50 years _____

- ☒ 8.1 million
- ☐ 8.3
- ☐ 8.4
- ☐ 8.5

Q2 _____ may also be defined as the gradual removal of rock or soil particles from its initial deposit by the means of wind waves water glaciers soil slope or by human activities

- ☐ Solatation
- ☒ Erosion
- ☐ Flood
- ☐ Insolation

Q3 Over _____ % of Nigeria's original forest were lost due to unplanned land use

- ☐ 0.2
- ☐ 0.5
- ☒ 0.9
- ☐ 0.6

Q4 Between 1975 and _____ Nigeria's vegetation witnessed sharp loss

- ☐ 1978
- ☐ 1980
- ☐ 1964
- ☒ 1992

Q5 _____ can reduce the possibility of water overflowing into nearby floodplains It could be permanent or temporary such as sandbags placed when a flood is imminent

- ☐ sandbags
- ☒ Artificial levels and embankment
- ☐ insergbags
- ☐ montane

Q6 _____ is a method in which a part of a stream river is depened widened or straightened to allow more rapid runoff

- ☐ River
- ☐ Gutter
- ☐ canal
- ☒ Channelization

Q7 _____ may be defined as a body of water which moves over and above an area of land which is not normally submerged

- ☐ Insolation
- ☐ Solatation
- ☒ Flood
- ☐ Erosion

Q8 _____ region is known for heavy rain fall that encourages leaching and erosion

- ☐ Guinea Savanna
- ☐ Guinea Savanna
- ☐ Sahel savanna
- ☒ Southern Belt of Forest Soils

Q9 The mean annual rainfall of Sahel savanna was reported to be _____ mm and long dry seasons between seven to eight months

- ☐ 200mm
- ☒ 500mm
- ☐ 400mm
- ☐ 600mm

Q10 _____ can be located in the far northeast of Nigeria occupying part of Yola and Maiduguri

- ☒ Sahel savanna
- ☐ Forest
- ☐ Guinea Savanna
- ☐ Guinea Savanna

Q11 Sudan Savanna's mean annual rainfall is between _____ mm

- ☐ 520 - 1,150mm
- ☐ 530 - 1,160mm
- ☒ 510 - 1,140mm
- ☐ 540 - 1,170mm

Q12 _____ is the Northern most part of the savanna belt in Nigeria aside the Sahel in the far northeast

- ☐ Sahel savanna
- ☐ Forest
- ☒ Sudan Savanna
- ☐ Guinea Savanna

Q13 _____ is the largest vegetation cover in Nigeria extending over about 50% of the total landmass

- ☐ Forest

- ☐ Sahel savanna
- ☐ Sudan Savanna
- ☒ Guinea Savanna

Q14 Derive Savanna covers an area of about _____ sq.km about 8% of the country

- ☐ 75,507 sq.km
- ☐ 75,707 sq.km
- ☒ 75,607 sq.km
- ☐ 75,807 sq.km

Q15 Forest occupies about _____% of Nigeria

- ☒ 0.8
- ☐ 0.6
- ☐ 0.2
- ☐ 0.4

Q16 The savanna zone occupies about _____% of the land surface of Nigeria

- ☐ 0.8
- ☐ 0.2
- ☐ 0.6
- ☒ 0.4

Q17 In Nigeria the average annual sunshine hours has been reported to be _____ in the south

- ☐ 1600
- ☐ 1500
- ☐ 1400
- ☒ 1300

Q18 A very small fraction of about _____% is captured by green plants bacteria and stimulates the process of photosynthesis

- ☒ 0.023
- ☐ 0.123
- ☐ 0.223
- ☐ 0.323

Q19 About _____% of the solar energy reaching the troposphere is reflected back into space by clouds chemicals dust and the earth's land and water surface

- ☐ 0.36
- ☐ 0.64
- ☒ 0.28
- ☐ 0.72

Q20 Radiation moves at the speed of light and makes the 150 million km trip to the

Earth in about _____ minutes

- ☐ 2 minutes
- ☐ 4 minutes
- ☐ 6 minutes
- ☒ 8 minutes

Q21 Temperature on the surface of the sun has been estimated to be over _____

- ☐ 2000°C
- ☐ 4000°C
- ☒ 6000°C
- ☐ 8000°C

Q22 The sun being the source of solar radiation has been described by some scientists as a gigantic fireball of _____% helium

- ☐ 0.64
- ☐ 0.72
- ☐ 0.36
- ☒ 0.28

Q23 The sun being the source of solar radiation has been described by some scientists as a gigantic fireball of _____% hydrogen

- ☐ 0.36
- ☐ 0.64
- ☒ 0.72
- ☐ 0.28

Q24 Solar radiation is most often measured indirectly by using _____

- ☐ Thermometers
- ☐ Hydrometer
- ☐ Rain gauge
- ☒ Sunshine recorders

Q25 Less than _____% of the solar constant pass through the atmosphere and arrive at the earth's surface

- ☒ 0.5
- ☐ 0.4
- ☐ 0.3
- ☐ 0.6

Q26 The amount of solar energy, that gets to the outer atmosphere of the earth is called the _____

- ☐ Lunar constant
- ☐ Tidal constant
- ☐ Polar constant
- ☒ Solar constant

Q27 _____ may be described as the amount of solar radiation falling upon an environment per unit area

- ☐ Consolation
- ☐ Solatation
- ☐ Emulsion
- ☐ Insolation

Q28 The year that Okonkwo took eight hundred seed yams from _____ was the worst year in living memory

- ☐ Ekweme
- ☐ Nwakibie
- ☐ Okechukwu
- ☐ Okon

Q29 _____ is defined as the physical characteristics of the troposphere of an area based on analysis of its weather over at least 30 years

- ☐ Climate
- ☐ Sunshine
- ☐ Humidity
- ☐ Rainfall

Q30 We don't find desert encroachment in _____

- ☐ Kaduna
- ☐ Delta State.
- ☐ Sokoto
- ☐ Kano

Q31 We don't find rain forest for instance in _____

- ☐ Delta State.
- ☐ Lagos
- ☐ Kano
- ☐ Enugu

Q32 The vegetation belt in Nigeria are determined by _____ factors

- ☐ Rainfall
- ☐ Sunshine
- ☐ Humidity
- ☐ Climatic

Q33 Climate determines the way the _____ of an ecosystem will look

- ☐ Topography
- ☐ Choreography
- ☐ Clography
- ☐ Geography

Q34 _____ and _____ are two types of Quaternary

- ☐ Holocene and Pleistocene
- ☒ Holocene and Pleistocene
- ☐ Holocene and Pleistocene
- ☐ Holocene and Pleistocene

Q35 Quaternary began around _____ million years ago

- ☒ 2 million
- ☐ 6 million
- ☐ 8 million
- ☐ 4 million

Q36 _____ is a period which is referred to as the present geological period that followed the TERTIARY PERIOD

- ☐ Tertiary
- ☐ Stationary
- ☐ Quaternary
- ☒ Quaternary

Q37 The Continental shelf stretches _____ km offshore Calabar in the east

- ☐ 45km
- ☐ 35km
- ☒ 75km
- ☐ 65km

Q38 Continental shelf measures about _____ km off Cape Formoso at the nose of the Niger Delta

- ☐ 67km
- ☐ 68km
- ☐ 63km
- ☒ 64km

Q39 Continental shelf is small in size averaging 20-25km in width in _____

- ☐ Benin
- ☒ Lagos
- ☐ Kano
- ☐ Kwara

Q40 _____ stretches (around Imo to Calabar) specifically from Imo River to Calabar River estuary at the Nigeria/Cameroon borders

- ☒ Strand coast
- ☐ Brand coast
- ☐ Grand coast
- ☐ Sand coast

Q41 The paucity of sand on _____ beach and environs is attributed to sediment loss to Avon and Mahin sub-marine canons off the delta toe

- ☒ Mahin
- ☐ Berlin
- ☐ Melin
- ☐ Jahirn

Q42 It was mentioned that the mud beach extends for _____ km and terminates at the Benin river mouth on the northwest Flank of the Niger Delta

- ☐ 65km
- ☒ 75km
- ☐ 45km
- ☐ 35km

Q43 _____ stated that the barrier lagoon complex grades eastward into a mud beach in the vicinity of Lekki Lagoon

- ☐ Barrow (1993)
- ☐ Thomas, (1999)
- ☒ Ajao et al (1996)
- ☐ Thorpe (1996)

Q44 The Sokoto plain is in the far _____ of Nigeria and is made of sedimentary rocks

- ☐ South-East
- ☐ North-East
- ☐ South-South
- ☒ North-West

Q45 The high plains of _____ is the largest size topographical feature in the Nigerian Environment

- ☒ Hausaland
- ☐ Iboland
- ☐ Yorubaland
- ☐ Ibibioland

Q46 _____ plateau has Tertiary to Recent volcanism which formed a distinct region of basaltic lava flows volcanoes and vents at various stages of erosion

- ☐ Jos Plateau
- ☐ Igalla-Udi
- ☐ Benin
- ☒ Biu Plateau

Q47 _____ is situated on the South-East end of the High plains of Hausaland

- ☐ Igalla-Udi

- ☐ Biu Plateau
- ☒ Jos Plateau
- ☐ Benin

Q48 The saline swamps of the Niger delta occupies _____ hectares

- ☒ 750000
- ☐ 750000
- ☐ 850000
- ☐ 650000

Q49 The total brackish area is about _____ km²

- ☒ 12,990km²
- ☐ 13,990km²
- ☐ 14,990km²
- ☐ 15,990km²

Q50 Nigeria has the largest area of mangrove forest in Africa with an estimate of _____ km²

- ☐ 8600km²
- ☒ 9700km²
- ☐ 9700km²
- ☐ 9700km²

Q51 The Niger Delta coast extends from the mouth of the _____ river to the mouth of the Imo River in the east

- ☐ Kwara
- ☒ Kano
- ☐ Benin
- ☐ Abia

Q52 The _____ is underlain by young sedimentary rocks with most of them possessing plain tops and a large layer of indurated ironstone

- ☐ Plain Land
- ☐ Hill
- ☐ Mountain
- ☒ Plateau

Q53 The _____ plateau is another area where inselbergs can be found

- ☒ Igalla-Udi
- ☐ Ore
- ☐ Oshodi
- ☐ Sagamu

Q54 _____ are prominent residual rock-mass which are often remnants of erosion can be found around old hard rocks

- ☐ Hinselbags
- ☐ Inselbergs
- ☐ Hinselbergs
- ☐ Inselbags

Q55 Nigeria is located in the _____ of Africa

- ☐ West Coast
- ☐ East Coast
- ☐ South Coast
- ☐ North Coast

Q56 Nigeria occupies a landmass of _____ sq. kms.

- ☐ 912075.64
- ☐ 913072.64
- ☐ 913720.64
- ☐ 914702.46

Q57 In the biosphere almost all energy is from the _____

- ☐ Stars
- ☐ Moon
- ☐ Sun
- ☐ Cloud

Q58 A unit where the relationship of living organisms is studied is referred to as

-
- ☐ Ecosystem
 - ☐ Protosystem
 - ☐ Monosystem
 - ☐ Platosystem

Q59 Only _____ % of the earth's total volume of water is easily assessable to us

- ☐ 0.003
- ☐ 0.004
- ☐ 0.005
- ☐ 0.006

Q60 _____ % of the fresh water are locked up in ice caps or glaciers or buried so deep that it costs so much to extract

- ☐ 3.997
- ☐ 4.997
- ☐ 1.997
- ☐ 2.997

Q61 _____ % of the total volume of ocean water is fresh water

- ☐ 0.03

- ☐ 0.6
- ☐ 0.97
- ☐ 0.4

Q62 _____% of the total volume of ocean water is salty water

- ☐ 0.6
- ☐ 0.03
- ☐ 0.4
- ☐ 0.97

Q63 Over _____ million square kilometers of the earth surface are made up of water

- ☐ 360
- ☐ 290
- ☐ 120
- ☐ 480

Q64 Over _____% of the earth surface are made up of water

- ☐ 0.5
- ☐ 0.7
- ☐ 0.9
- ☐ 0.2

Q65 The _____ is another sphere in the natural environment comprising of the waters of the earth

- ☐ mesosphere
- ☐ Biosphere
- ☐ Hydrosphere
- ☐ ionosphere

Q66 The name ionosphere was derived from _____ and sphere

- ☐ Anions
- ☐ Irons
- ☐ Cations
- ☐ Ions

Q67 The second region is electrically charged with ions called _____.

- ☐ Ionosphere
- ☐ Exosphere
- ☐ Troposphere
- ☐ Mesosphere

Q68 The neutral region extends to _____km above the earth's surface

- ☐ 20km
- ☐ 40km

- ☐ 80km
- ☒ 60km

Q69 The _____ forms the highest layer of the atmosphere and extends beyond the atmosphere Here the air density is very low, that the idea of temperature loses its customary meaning

- ☒ Exosphere
- ☐ Troposphere
- ☐ Stratosphere
- ☐ Mesosphere

Q70 _____ is the layer that extends up to 65km above the earth and is characterized by a rapid rise in temperature with increasing altitude

- ☐ Troposphere
- ☐ Stratosphere
- ☒ Mesosphere
- ☐ Exosphere

Q71 _____ is the layer that extends up to about 40km above the earth It has increasing temperature with increasing altitude and also characterized by jet streams that move mostly in a horizontal motion

- ☐ Mesosphere
- ☐ Exosphere
- ☐ Troposphere
- ☒ Stratosphere

Q72 _____ is the first layer which extends from above the earth's surface up to 10kms It is characterized by a fall in temperature as altitude increases

- ☒ Troposphere
- ☐ Mesosphere
- ☐ Stratosphere
- ☐ Exosphere

Q73 Based on temperature the atmosphere has about _____ distinguish layers

- ☐ Three
- ☐ Two
- ☐ Five
- ☒ Four

Q74 The color of the Earth from outer space is _____ and not red like mars

- ☒ Blue
- ☐ Yellow
- ☐ Purple
- ☐ Green

Q75 A _____ environment may be described as a condition where there has been a significant human alteration of the environment

- ☐ Mistyified
- ☒ Modified
- ☐ Crusified
- ☐ Falsified

Q76 _____ dictionary of Environmental Sciences defines the Environment as the combination of external condition that influence the life of individual organism

- ☒ Collins
- ☐ Oxford
- ☐ Harvard
- ☐ Cambridge

Q77 The living parameter can also be referred to as _____

- ☐ Procriotic
- ☐ Symbiotic
- ☐ Abiotic
- ☒ Biotic

Q78 The non-living parameter can also be referred to as _____

- ☒ Abiotic
- ☐ Procriotic
- ☐ Biotic
- ☐ Symbiotic

Q79 _____ is the result of interaction between non living and living parameters

- ☐ Incident
- ☒ Environment
- ☐ Perspective
- ☐ Reflected

Q80 _____ defined the environment as the sum total of the condition within which organisms live

- ☒ Barrow 1993
- ☐ Thorpe 1996
- ☐ Kuyt 2003
- ☐ Thomas 1999