

9th Social Science Lesson 12 Questions in English - Geography

1] Lithosphere – I Endogenetic Processes

1. Assertion (A): Earth is divided into three physical spheres and one only one biological sphere.
Reasoning (R): The Biosphere is the biological zone includes all the living organisms.
- a) Both A and R is True and R is the correct explanation of A
b) Both A and R is True but R is not the correct explanation of A
c) A is True but R is False
d) Both A and R is False
2. How many abiotic spheres are available in the Earth structure?
a) 4
b) 3
c) 1
d) 2
3. Which of these are the bifurcation processes of lithosphere?
a) Endogenic
b) Internal
c) Exogenetic
d) All the above
4. Which of this interfacing sphere made up of soil and dirt?
a) Hydrosphere
b) Atmosphere
c) Pedosphere
d) Biosphere
5. Identify the incorrect match.
A. Hydrosphere - i) Ocean
B. Lithosphere - ii) Outer part
C. Biosphere - iii) Two types
D. Atmosphere - iv) Layer of gas
- a) i only
b) ii only
c) iii only
d) iv only
6. How many Earth's interior layers are present in earth's structure?
a) 3
b) 4
c) 5
d) 2
7. Name the outer layer of Earth surface?
a) Atmosphere
b) Mantle
c) Core
d) Crust
8. Choose the correct statements regarding crust layer.
i) The Crust range between 5 to 30 km of earth.
ii) It is the semisolid layer of the earth.
iii) Thickness of crust is greater below the ocean floor.
- a) i only
b) ii only
c) iii only
d) All the above
9. How many crust layers are classified?
a) 3
b) 2
c) 5
d) 4
10. Which is a major element of crust?
a) Sodium
b) Silver
c) Silica
d) Santonium

11. Assertion (A): Lithosphere and Crust are same based on the components

Reasoning (R): Lithosphere includes the crust and uppermost part of the mantle

- a) Both A and R is True and R is the correct explanation of A
- b) Both A and R is True but R is not the correct explanation of A
- c) A is True but R is False
- d) A is False but R is True

12. Choose the correct statements

i) Lithosphere of Mercury, Venus and Mars are thicker than Earth.

ii) Only some terrestrial planets have lithosphere layer.

- a) i only
- b) ii only
- c) Both i and ii
- d) Neither i nor ii

13. Which are the major components of the Mantle?

- a) Silica, Aluminium
- b) Magnesium, Strontium
- c) Sodium, Aluminium
- d) Silica, Magnesium

14. Assertion (A): Magma is the molten rock inside the earth.

Reasoning (R): Magma is available in both solid and molten form in the mantle.

- a) Both A and R is True and R is the correct explanation of A
- b) Both A and R is True but R is not the correct explanation of A
- c) A is True but R is False
- d) Both A and R is False

15. Which of this is called as NIFE?

- a) Core
- b) Mantle
- c) Magma

d) Crust

16. Assertion (A): Large quantity of iron is present in the core of the Earth.

Reasoning (R): The single layer of iron core is responsible for the Gravitational force of Earth.

- a) Both A and R is True and R is the correct explanation of A
- b) Both A and R is True but R is not the correct explanation of A
- c) A is True but R is False
- d) Both A and R is False

17. Choose the correct statements.

i) The liquid form of core spins over the solid inner core due to earth's rotation.

ii) High pressure makes the inner core to remain solid and immovable.

- a) i only
- b) ii only
- c) Both i and ii
- d) Neither i nor ii

18. Which is the deepest place reached by human technology till 2011?

- a) Germany
- b) Russia
- c) Bulgaria
- d) Mexico

19. When Chavyo well was announced as the deepest place in the world?

- a) 2011
- b) 2015
- c) 2012
- d) 2000

20. What is the crust is made up of?

- a) Gas
- b) Chemicals
- c) Sand
- d) Rocks

21. How many types of rock are classified based on formation?
- a) 3
 - b) 5
 - c) 4
 - d) 7
22. Which of these places are examples for the rock-cut architectures in India?
- a) Ajanta
 - b) Mamallapuram
 - c) Konark temple
 - d) All the above
23. Match
- A. Crust - i) Iron Oxides
 - B. Inner Core - ii) Peridotite
 - C. Upper Mantle - iii) Magnesium Oxide
 - D. Lower Mantle - iv) Silicic Rocks
- a) iv, i, ii, iii
 - b) i, iv, iii, ii
 - c) ii, iii, iv, i
 - d) i, iv, ii, iii
24. Which of this layer is highly thick in the earth's interior?
- a) Lower mantle
 - b) Outer Core
 - c) Upper Mantle
 - d) Inner Core
25. Which of this language is the origin for the word Igneous?
- a) Persian
 - b) Roman
 - c) Latin
 - d) Arabic
26. Which of these cools and formed as igneous rocks?
- a) Silica
 - b) Lava
 - c) Hydrogen atoms
 - d) Solid dusts
27. What are the other names for the igneous rocks?
- a) Primary rocks
 - b) Secondary rocks
 - c) Mother rocks
 - d) Both a and c
28. Which of these transport the rocks and soils to form sedimentary rocks?
- a) Rivers
 - b) Glaciers
 - c) Winds
 - d) All the above
29. Which of these rocks are used in construction works?
- a) Igneous rocks
 - b) Sedimentary rocks
 - c) Metamorphic rocks
 - d) All the above
30. What is an example of a metamorphic rock?
- a) Basalt
 - b) Gypsum
 - c) Diamond
 - d) Limestone
31. Which of these are formed to form fossils?
- a) Plants
 - b) Animals
 - c) Both a and b
 - d) Only a
32. Which is not a sedimentary rock?
- a) Gypsum
 - b) Marble
 - c) Chalk
 - d) Coal
33. From which of this word the term metamorphic was derived?

a) Metalomic

b) Matapho

c) Metamorphosis

d) Metamo

34. Match the transformed rocks with origin.

A. Basalt - i) Marble

B. Limestone - ii) Quartzite

C. Granite - iii) Schist

D. Sandstone - iv) Gneiss

a) i, iii, ii, iv

b) iii, i, iv, ii

c) iv, i, iii, ii

d) ii, iv, i, iii

35. Assertion (A): Rock cycle is a continuous process of transforming one form to another form.

Reasoning (R): Igneous, sedimentary and metamorphic rocks are involved in rock cycle process.

a) Both A and R is True and R is the correct explanation of A.

b) Both A and R is True but R is not the correct explanation of A.

c) A is True but R is False.

d) Both A and R is False.

36. By how many process the earth's surface is formed and deformed?

a) 5

b) 4

c) 2

d) 3

37. Which of this process cause deformities of the earth materials?

a) Internal Process

b) Geomorphic process

c) External process

d) Deformation process

38. What is the significance of the Endogenetic process?

a) Build Landscapes

b) Create Topographic relief

c) Internal processes

d) All the above

39. Which of this process tear the landscapes into low elevated plains?

a) Internal process

b) Endogenetic process

c) External process

d) Geothermal process

40. Which of these waves causes Earthquakes?

a) P waves

b) S waves

c) L waves

d) All the above

41. Which of these principal sources generate heat below earth crust?

a) Internal radioactivity

b) Geomorphic

c) Magnetic process

d) Volcanic eruptions

42. How many tectonic plates are divided in the lithosphere?

a) 2

b) 3

c) 5

d) 4

43. Choose the Incorrect statements.

i) The Tectonic plates float independently over the crust layer.

ii) The plate's colloid and produce mountain ranges.

iii) Plate tectonics happen both on land and the ocean floor.

a) i only

b) ii only

- c) iii only
d) All the above
44. From which of these layer the thermal energy for has emerged for the tectonic movements?
a) Crust
b) Mantle
c) Inner Core
d) Outer Core
45. What is the name of the location of sinking plates in Convergent Boundary?
a) Divergent Boundary
b) Transform Boundary
c) Subduction zone
d) Folding
46. In which of these boundaries the plates are pushed up from the mantle?
a) Transform Boundary
b) Convergent Boundary
c) Subduction Boundary
d) Divergent Boundary
47. In the transform boundary the plates slide _____ each other.
a) Vertically
b) Horizontally
c) Upwards
d) Downwards
48. Which of these forces cause the folding of the plates?
a) Magnetic force
b) Gravity force
c) Compressional force
d) None of the above
49. Which of these mountains are examples for the Fold Mountains?
a) Himalayas
b) Lhotse
c) Makalu
d) Fuji
50. Which of these process cause stretch and cracks in rocks?
a) Folding
b) Divergent
c) Faulting
d) Transform
51. Which of this process involved in the great rift valley of East Africa?
a) Faulting
b) Folding
c) Compressional forces
d) Exogenetic process
52. What is the timeline of the Triassic period in earth formation?
a) 100 million years ago
b) 65 million years ago
c) 200 million years ago
d) 145 million years ago
53. Assertion (A): The Plates are in constant motion with a few centimeters rate per year.
Reasoning (R): The plate movements are fast and moves the continents a long way.
a) Both A and R is True and R is the correct explanation of A
b) Both A and R is True but R is not the correct explanation of A
c) A is True but R is False
d) Both A and R is False
54. Which of these continents were not in the Gondwana land?
a) Africa
b) Antarctica
c) South America
d) North America
55. In which direction the Indian plate from Gondwana moved to colloid with Asia?
a) South

- b) North
c) West
d) East
56. From which of this earth layer the earthquakes are originated?
a) Mantle
b) Core
c) Crust
d) Magma
57. At which of these points the impact of the earthquake is high?
a) Focus
b) Epicenter
c) Hypocenter
d) All the above
58. Which of these seismic wave characteristics are decided by the medium of passing?
a) Nature
b) Force
c) Speed
d) All the above
59. How many major types of seismic waves are classified?
a) 5
b) 3
c) 4
d) 6
60. In which of these years the highest Richter scale was recorded?
a) 1957
b) 1960
c) 1923
d) 1982
61. Which of the earthquake factor is measured by the C.F.Richter scale?
a) Origin
b) Frequency
c) Magnitude
d) Speed
62. Choose the correct statements regarding the Richter scale.
i) It is a closed ended scale.
ii) The scale value relates to the energy released at the epicentre.
a) i only
b) ii only
c) Both i and ii
d) Neither i nor ii
63. Which is the fastest earthquake wave?
a) P-Waves
b) S-Waves
c) L-Waves
d) All the above
64. What is the average velocity of the Primary waves?
a) 3.7km/s
b) 2.5km/s
c) 10.6km/s
d) 1.9km/s
65. Choose the correct statements regarding S-waves.
i) S-waves or the secondary waves travel through solids, liquids and gas.
ii) These are transverse waves that are perpendicular to the propagating direction.
iii) The average velocity is from 1km/s to 2.5km/s.
a) i only
b) ii only
c) iii only
d) All the above
66. Which of these are the most destructive waves?
a) Primary waves
b) Secondary waves

- c) Surface Waves
d) Seismic Waves
67. Which of these instrument records the earthquake waves?
a) Seismograph
b) Richter scale
c) Seismology
d) All the above
68. What is the meaning of the word Tsunami in Japanese?
a) Shallow Waves
b) Destructive Waves
c) Harbour Waves
d) Killer Waves
69. What is the maximum speed of the Tsunami waves?
a) More than 500km per hour
b) More than 100km per hour
c) More than 50km per hour
d) More than 250km per hour
70. What is the speed of the Tsunami waves caused by an earthquake in Indian Ocean in 2004?
a) 250 km per hour
b) 600 km per hour
c) 120 km per hour
d) 55 km per hour
71. Which of these plates were involved in the 2004 Tsunami in Indian Ocean?
a) Indo-Australian
b) Antarctic
c) Arctic
d) Pacific
72. Choose the correct statements.
i) A Volcano is a vent or opening of earth's core.
ii) Volcanoes also formed by plate movements.
a) i only
b) ii only
c) Both i and ii
d) Neither i nor ii
73. How many major components are categorized for a Volcano?
a) 5
b) 3
c) 4
d) 2
74. Match
A. Vents - i) landform
B. Crater - ii) Outlet
C. Magma Chamber - iii) Bowl shaped
D. Volcanic Cone - iv) Liquid rock
a) iv, i, iii, ii
b) ii, iv, iii, i
c) ii, iii, iv, i
d) i, iii, iv, ii
75. Assertion (A): Volcano is derived from the word VULCAN
Reasoning (R): VULCAN denotes the roman god of fire in Latin language
a) Both A and R is True and R is the correct explanation of A
b) Both A and R is True but R is not the correct explanation of A
c) A is True but R is False
d) Both A and R is False
76. How many types of volcanoes are classified based on the periodicity of eruptions?
a) 5
b) 3
c) 4
d) 6
77. Which of these materials are ejected by an active volcano?
a) Lava
b) Gas

- c) Fragmented materials
d) All the above
78. Which of these volcanoes are not active for a long time period?
a) Dormant Volcano
b) Extinct Volcano
c) Dead Volcano
d) Both b and c
79. Which of these places have an extinct or dead volcano?
a) Fuji
b) Mt. Kilimanjaro
c) Hawaii
d) Mexico
80. Identify the incorrect Match.
A. Active Volcano - i) Mount Alps
B. Dead Volcano - ii) Tanzania
C. Dormant Volcano - iii) Fuji
a) i only
b) ii only
c) iii only
d) All the above
81. By which of this factor volcanoes are classified?
a) Eruption period
b) Location and Dimension
c) Structure and composition
d) None of the above
82. Which of this is a composite volcano?
a) Strata Volcano
b) Lava Dome
c) Cubical Volcano
d) Shield Volcano
83. Which of this volcanic structure is rich in silica?
a) Volcanic Dome
b) Shield volcano
c) Composite volcano
d) All the above
84. Choose the correct statements regarding Shield volcanoes.
i) The intense viscous lava with shallow depositions form shield volcano.
ii) Hawaii and Mauna Loa are some examples of shield volcanoes.
a) i only
b) ii only
c) Both i and ii
d) Neither i nor ii
85. Match
A. Fuji - i) Lava Dome
B. Paricutin - ii) Composite Volcano
C. Mauna Loa - iii) Shield Volcano
a) i, iii, ii
b) iii, i, ii
c) ii, i, iii
d) ii, iii, i
86. Assertion (A): Pacific Ring of fire is one of the major active volcanic eruption areas of earth.
Reasoning (R): Volcanic eruptions and earthquakes occur along the plate boundary region.
a) Both A and R is True and R is the correct explanation of A.
b) Both A and R is True but R is not the correct explanation of A.
c) A is True but R is False.
d) Both A and R is False.
87. Which is not a major belt of volcanically active zone in the world?
a) Pacific region
b) Himalayas
c) Mid-Oceanic ridges
d) Mid-Continental belts

88. Which of these is not the constructive effect of volcanic eruption?

- a) Fertility of soil is increased.
- b) Generates geothermal energy.
- c) Used as building material.
- d) Balances the global warming.

89. Choose the Incorrect statements regarding the destructive effects of the volcanic materials.

- i) Volcanic eruptions cause Earthquakes, floods.
- ii) The Dust and ash of volcanic eruptions causes breathing problems.
- iii) Weather conditions cannot be altered by the volcanic eruptions.

- a) i only
- b) ii only
- c) iii only
- d) None of the above

90. In which of these place Tsunami hit in recent years?

- a) Indonesia
- b) Japan
- c) Mexico
- d) Russia