



CCDC- UPSC COACHING CENTER
SAURASHTRA UNIVERSITY CAMPUS
RAJKOT- 360 005

Exam- Geography

Syllabus- Geomorphic & Oceanography

Date:- 06-12-2021

Total Marks- 200

Negative Marks: 0.66

Paper Code: Geo2104

1. Which of the following statements correctly describes Planetesimals?

- (a) It refers to the smaller bodies which exist at an early stage of the planet formation.
- (b) It is the study of planets' internal structure.
- (c) It is localised lumps of gas within a nebula.
- (d) It refers to the type of galaxies which contains a large number of planets.

2. Consider the following statements with reference to acidic and basic lavas:

- 1. Acidic lavas are hotter than basic lavas.
- 2. Acidic lavas contain higher percentage of silica than basic lavas.
- 3. Basic lavas flow slowly and are more viscous than acidic lavas.

Which of the statements given above is/are not correct?

- (a) 1 and 2 only (b) 1 and 3 only (c) 2 only (d) 1, 2 and 3

3. Which of the following statement(s) is/are correct?

- 1. Asteroids are found between the orbits of Mars and Jupiter.
- 2. Meteorites enter the earth's atmosphere at high speed and get burnt completely due to friction.
- 3. Meteoroids are the rock pieces which doesn't incinerate wholly and land on earth.

Select the correct answer using the codes given below.

- (a) 1 only (b) 1 and 2 only (c) 2 and 3 only (d) 1, 2 and 3

4. Consider the following pairs:

Type of fault

Description

- 1. Normal Fault: When a section of land slides down along the fault line
- 2. Reverse Fault: When a section of land thrusts up along the fault line
- 3. Transform Fault: When a section of land moves horizontally along the fault line

Which of the pairs given above is/are correctly matched?

- (a) 1 only (b) 2 only (c) 2 and 3 only (d) 1, 2 and 3

5. Consider the following statements:

- 1. Earth's surface approaches being a blackbody.
- 2. Sun approaches being a blackbody.
- 3. Objects that are good absorbers of radiation are also good emitters.
- 4. The average albedo of moon is much more than that of earth.

Which of the statements given above are correct?

- A. 1 and 2 only B. 1, 2 and 3 only C. 2, 3 and 4 only D. 1, 3 and 4 only

6. Which of the following ocean currents is primarily driven under the influence of gravity?

- A. Counter Equatorial Current B. Deep Ocean Current
- C. Equatorial Current D. None of the above

7. Consider the following statements:

- 1. Large scale upwelling is most prominent on the eastern sides of ocean basins.
- 2. Upwelling occurs along the equator.
- 3. Somali current is a warm current and is formed during winter season.
- 4. Mid Oceanic Ridges have a role in the causation of ocean currents?

Which of the statements given above are correct?

- A. 1 and 2 only B. 1, 2 and 3 only C. 2, 3 and 4 only D. 1, 2, 3 and 4

8. Which of the following is the primary factor for the causation of Labrador and Oyashio currents?

- A. Polar easterlies B. Salinity difference C. Temperature difference D. Melt-water of snow and ice

9. Which of the following phenomenon/phenomena can help in studying the Earth's interior?

1. Volcanic eruptions 2. Meteors 3. Earthquakes

Select the correct answer using the code given below:

- A. 1 only B. 2 and 3 only C. 1 and 3 only D. 1, 2 and 3

10. Which of the following is/are not one of the characteristics of El Nino?

- A. Increased surface pressure over the Indian Ocean, Australia and Indonesia
B. Rise in warm air near Peru
C. Fall in air pressure over eastern and central Pacific Ocean and Tahiti.
D. Below-average sea surface temperatures across the east-central Equatorial Pacific.

11. Which among the following can be considered as proof of Earth's sphericity?

1. Voyage of different travellers around the world.
2. When your friend approaches from a distance you are able to view his lower body first.
3. If you drive poles equidistant, into the ground equally, there is difference in their height.

Select the correct statement(s) using the codes given below.

- a) 1 and 2 only b) 1 and 3 only c) 2 and 3 only d) 1, 2 and 3

12. Consider the following statements regarding structure of the earth.

1. Moho discontinuity separates the mantle from the core.
2. Asthenosphere along with the crust forms the lithosphere.
3. The outer core is in solid state while the inner core in liquid state.

Select the incorrect statement(s) using the codes given below.

- a) 1 and 2 only b) 2 and 3 only c) 1 and 3 only d) None of the above

13. Consider the following statements regarding lavas flowing out of volcanoes.

1. Lavas acidic in nature result in steep dome near volcano.
2. Lavas basic in nature, are not explosive and rich in silica.

Select the correct statement(s) using the codes given below.

- a) 1 only b) 2 only c) Both 1 and 2 d) Neither 1 nor 2

14. Which among the following is not the reason that Himalayas have no volcanoes?

- a) The subduction zone of Indian – Eurasian plate lie under Tibetan Plateau.
b) Volcanoes are not found in areas where the plates are convergent in nature.
c) The batholiths under Himalayas is way older in age than the event of plate collision between Indian and Eurasian plate.
d) Continental collisions generally don't give rise to Vulcanism as there is absence of volcanic arc due to absence of water.

15. Which among the following is not true about the waves generated during the earthquake?

- a) Surface waves are formed when body waves interact with surface rocks.
b) S – waves help us understand the nature of interior of the earth.
c) P – waves create density differences in the material due to its parallel propagation.
d) Surface waves are the most damaging in nature due to its parallel propagation to surface leading to stretching and squeezing.

16. Which among the following pairs is incorrectly matched?

- a) Geysers – superheated steam emitted out of surface like an explosion.
b) Hot Spring – heated water seeps inside earth surface, dissolves mineral and gain medicinal value.
c) Sills – Horizontal intrusion of magma in bedding planes of Sedimentary rocks.
d) Dykes – Vertical narrow walls of igneous rocks within the sedimentary layers.

17. Which among the following sets of pairs are correctly matched?

1. Shield Volcanoes – largest volcanoes on Earth.
2. Composite volcanoes – cooler and more viscous lava than basalt.
3. Caldera – Most explosive of earth's volcanoes.

Select the correct answer using the codes given below.

- a) 1 and 2 only b) 1 and 3 only c) 2 and 3 only d) 1, 2 and 3

18. Which among the following are the evidences in support of the Continental Drift Theory?

- a) The belt of ancient rocks from Brazil Coast matches with those from western Africa.
b) Presence of Tillite in India, Africa, Madagascar, Falkland Island, Australia and Antarctica.
c) Placer Deposits of gold in Ghana Coast even though source rock is absent.
d) All of the above.

19. Which among the following form the parts of Continental Margin?

1. Continental Shelf 2. Deep Oceanic Trenches 3. Mid Oceanic Ridges 4. Abyssal Plains

Select the correct answer using the codes given below.

- a) 1 and 2 only b) 1 and 4 only c) 1, 2 and 3 only d) 2, 3 and 4 only

20. Match the following items in List 1 with that in List 2.

List 1

- A. Subduction Zone
B. Planes of Separation
C. Spreading Sites

List 2

1. Divergent Plate Boundary
2. Convergent Plate Boundary
3. Transform Plate Boundary

Select the correct answer using the codes given below.

- a) A – 1, B – 3, C – 2 b) A – 1, B – 2, C – 3 c) A – 2, B – 3, C – 1 d) A – 2, B – 1, C – 3

21. Which among the following sets of pair are correctly matched?

1. Fledspar – used in ceramics and glass making industry.
2. Pyroxene – commonly found in meteorites
3. Quartz – soluble in water.
4. Olivine – is often found in basaltic rocks.

Select the correct answer using the codes given below.

- a) 1, 2 and 3 only b) 2, 3 and 4 only c) 1, 2 and 4 only d) 1, 2, 3 and 4

22. Consider the following statements.

1. Large sized crystals are characteristic of Plutonic rocks.
2. Layer formation is characteristic of Sedimentary rocks.
3. Rocks undergoing recrystallization transforms into metamorphic rocks.

Select the correct statement(s) using the codes given below.

- a) 1 and 2 only b) 1 and 3 only c) 2 and 3 only d) 1, 2 and 3

23. Which among the following statement(s) is incorrectly stated?

- a) Mountain building is one of the mechanism under diastrophism.
b) Orogeny leads to very simple deformation of earth's crust.
c) The term Denudation covers all exogenic geomorphic process.
d) Intensity of exogenic geomorphic process depends upon type and structure of rocks.

24. Which among the following is/are the mechanism of physical weathering process?

1. Unloading 2. Thawing 3. Frost Wedging

Select the correct answer using the codes given below.

- a) 1 and 2 only b) 1 and 3 only c) 2 and 3 only d) 1, 2 and 3

25. Consider the following statements regarding the weathering by the mechanism of mass movements.

1. Solifluction is a common phenomenon in moist temperate areas.
2. Debris avalanche is a characteristic of dry regions.
3. Landslides take place in material relatively drier than ones which trigger mudflow.

Select the correct statement(s) using the codes given below.

- a) 1 and 2 only b) 2 and 3 only c) 1 and 3 only d) 1, 2 and 3

26. Which of the following factor(s) is/are not responsible for soil formation?

1. Parent material 2. Topography 3. Climate 4. Biological activity 5. Time

Select the correct statement(s) using the codes given below:

- a) 3 and 5 only b) 1 and 3 only c) 2 and 4 only d) None of the above

27. Consider the following statements.

1. In the youth or early stage a river has no or very narrow floodplains.
2. The erosion caused by the river in youth stage is known as lateral erosion.

Select the correct statement(s) using the codes given below.

- a) 1 only b) 2 only c) Both 1 and 2 d) Neither 1 nor 2

28. Which among the following is an incorrect statement?

- a) Valleys are a type of erosional landforms.
- b) Point Bars are type of depositional landforms.
- c) Meander is only a type of channel pattern.
- d) River Terraces are a type of depositional landform.

29. Which among the following is the lake formed by volcanic activity

1. Crater Lake 2. Sea of Galilee 3. Lake Toba 4. Myvatn Lake

Select the correct answer using the codes given below.

- a) 1, 2 and 3 only b) 1, 3 and 4 only c) 2, 3 and 4 only d) 1, 2, 3 and 4

30. Which among the following pairs is correctly matched?

1. Block Mountains – Mountains of elevation
2. Volcanic Mountains – Mountains of accumulation
3. Residual Mountain – Mountains of denudation.

Select the correct answer using the codes given below.

- a) 1 and 2 only b) 2 and 3 only c) 1 and 3 only d) 1, 2 and 3

31. Match the following sets of pair.

List 1

- A. Intermont Plateau
- B. Volcanic Plateau
- C. Dissected Plateau

List 2

1. Successive sheets of basalt
2. Evolved due to process of weathering
3. Enclosed by fold mountains

Select the correct answer using the codes given below.

- a) A – 3, B – 1, C – 2 b) A – 3, B – 2, C – 1 c) A – 2, B – 1, C – 3 d) A – 2, B – 3, C – 1

32. Which among the following is incorrectly stated?

- a) Peneplains are the plains of denudation.
- b) Reg is characteristic of arid/desert regions.
- c) Pediplains are an example of depositional plains.
- d) Pediments are result of mechanical weathering

33. Consider the following statements.

1. Generally, large block mountains and rift valleys are due to tension rather than compression.
2. Denudation has played no role on the relief feature of faulted landform.

Select the correct statement(s) using the codes given below.

- a) 1 only b) 2 only c) Both 1 and 2 d) Neither 1 nor 2

34. Which among the following statement(s) is are incorrect?

- a) Aquifer is a permeable rock.
- b) Water table is far below the surface in valleys
- c) Water table varies according to the type of rocks.
- d) Seasons have an effect on the depth of water table

35. In karst regions rivers reappear when limestone gives place to permeable rock. What is this kind of spring called?

- a) Vauclusian Spring b) Resurgence Spring c) Dip Slope Spring d) Dyke Spring

36. Which among the following can lead to formation of waterfalls?

- a) Presence of resistant rock transversely across a river valley.
- b) Presence of fault line scarp across river

- c) Hanging valley formation due to glaciation
- d) All of the above

37. Consider the following:

- 1. Asthenosphere
- 2. Gutenberg Discontinuity
- 3. Source of earth's magnetism
- 4. Moho Discontinuity

Arrange in the correct order from surface to centre of the earth.

- a) 4 – 1 – 3 – 2
- b) 4 – 1 – 2 – 3
- c) 2 – 1 – 4 – 3
- d) 2 – 1 – 3 – 4

38. Which among the following are the factors affecting Ocean salinity?

- a) Wind
- b) Formation of ice on sea surface
- c) Influx of fresh river waters
- d) All of the above

39. Which among the following are incorrectly matched?

- a) Isobars – Lines joining places of equal pressure
- b) Isohyte– Lines joining places of equal salinity in ocean.
- c) Isotherm– Lines joining places of equal temperature.
- d) Isotach – Lines joining places of the same wind speed.

40. The term "pole fleeing force" is used in the context of which among the following?

- a) The formation of moon
- b) The Big Bang Theory
- c) Continental Drift Theory
- d) None of the above

41. Which among the following is the reason for seen excessive growth of planktons in region where cold and warm ocean currents meet?

- a) It has a balancing effect on the temperature of sea surface.
- b) It helps increase the photosynthetic activity of planktons
- c) It leads to upwelling of nutrient rich water from depth of water bodies
- d) None of the above

42. Consider the following features of a rock.

- 1. It is formed at some depth in earth's crust.
- 2. They have large, easily recognizable crystals.
- 3. They have solidified slowly.

Which among the following rocks satisfies these features?

- a) Basalt
- b) Granite
- c) Grit
- d) Schist

43. Consider the following statements.

- 1. Fringing reef is a coral reef lying close to the shore.
- 2. Atolls are similar to barrier reefs in shape.
- 3. Barrier reef is separated from the coast by a much wider and deeper channel or lagoon.

Select the correct statement(s) using the codes given below.

- a) 1 only
- b) 1 and 3 only
- c) 1 and 2 only
- d) 1, 2 and 3

44. The migration pattern of dunes depends on which of the following factors?

- 1. The size of the particles
- 2. The location of the surface
- 3. Presence of water
- 4. Presence of vegetation

Select the correct answer using the codes given below.

- a) 2 and 4 only
- b) 1, 3 and 4 only
- c) 1, 2 and 3 only
- d) 1, 2, 3 and 4

45. With reference to the rate of plate movement, which of the following is/are true?

- 1. The rate of plate movement can be determined with the help of magnetic field.
- 2. Indian plate registers the fastest rate.

3. Mid Atlantic Ridge registers the slowest rate

Select the correct answer using the codes given below.

- a) 1 and 3 only b) 2 only c) 1, 2 and 3 d) 1 only

46. The area known as 'Scarborough Shoal' sometimes appears in the news in the context of the events related to

- a) East China Sea b) Sea of Japan c) Yellow Sea d) South China Sea

47. Which among the following set of pair is incorrectly matched?

- a) Archipelagos – Balearic Island b) Festoons – Tasmania
c) Volcanic Island – Canary Island d) Coral Island – Marshall Island

48. Consider the following statements.

1. Dalmatian Coasts are the type of coastlines of emergence
2. Fiord coasts are the type of coastline of submergence,

Select the correct statement(s) using the codes given below.

- a) 1 only b) 2 only c) Both 1 and 2 d) Neither 1 nor 2

49. Which among the following are the coastal features of erosion?

1. Capes 2. Stack 3. Stump 4. Bars

Select the correct answer using the codes given below.

- a) 1, 2 and 3 only b) 1, 2 and 4 only c) 2, 3 and 4 only d) 1, 2, 3 and 4

50. Consider the following statements regarding the movement of ocean waters.

1. Tides can be predicted well in advance.
2. Steep waves are fairly young ones and probably formed by local winds.
3. Warm currents usually observed on the east coast of continents in the low and middle latitudes.

Select the correct statement/s using the code given below:

- a) 1 and 2 only b) 1 and 3 only c) 2 and 3 only d) 1, 2 and 3

51. Consider the following statements.

1. Lakes are only temporary features of the earth's crust
2. Most of the lakes in world are freshwater lakes.

Select the correct statement(s) using the codes given below.

- a) 1 only b) 2 only c) Both 1 and 2 d) Neither 1 nor 2

52. Which of the following is/are direct source(s) of information about the interior of the earth?

1. Earthquake wave 2. Volcano 3. Gravitational force 4. Earth magnetism

Select the correct answer using the code given below.

- a) 1 and 2 only b) 2 only c) 3 and 4 only d) 1, 2, 3 and 4

53. Consider the following statements.

1. Deep sea plain is an undulating plain
2. Deep sea plain is found 2-3 miles below sea level
3. Continental shelf is present at the end of continental slope after an abrupt change in gradient.
4. Continental shelf have limited depth and it increases the height of tides.

Select the correct statement(s) using the codes given below.

- a) 1 and 3 only b) 1, 2 and 3 only c) 1, 2 and 4 only d) 1 and 2 only

54. Consider the following statements regarding Glacial Landforms.

1. Erosion by glaciers is tremendous because as glacier moves it becomes water, moving fast taking lot of rocks with it.
2. Tarn lakes are the lakes seen after the glacier disappears.
3. Moraines are oval shaped mound like features composed of glacial till.

Select the incorrect statement(s) using the codes given below.

- a) 1 and 2 b) 1 and 3 c) 2 only d) 2 and 3 only

55. Which among the following statements is true?

- a) As the wave approaches the beach its motion increases.
- b) Only when depth of water is less than one third the wavelength of wave, the wave breaks.

- c) Slow and steady waves are young waves generated by local winds while fast and steep waves originate from faraway places.
d) Actual motion of water beneath the wave is circular.

56. With reference to Curative Petition, Consider the following statements:

1. The concept was first evolved by the Supreme Court of India in Rupa Ashok Hurra vs. Ashok Hurra and another case (2002).
2. The concept of the curative petition is not supported by the Indian Constitution.
3. Such a petition needs to be filed within 30 days from the date of judgement or order.

Which of the above statements is/are correct?

- (a) 1 and 2 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3

57. With reference to Farmers Producer Organisation (FPO), consider the following statements:

1. It is an entity formed by primary producers which include farmers, milk producers, fishermen, weavers, rural artisans, and craftsmen.
2. It provides for sharing of profits/benefits among the members.
3. An FPO can be a Producer Company, a Cooperative Society or any other legal form.

Which of the above statements is/are correct?

- (a) 1 and 3 only (b) 3 only (c) 2 only (d) 1, 2 and 3

58. With regard to Generalised System of Preferences (GSP) often seen in news, consider the following statements:

1. It is to promote economic growth in the developing world by providing preferential duty-free entry.
2. It is an initiative by WTO.
3. It applies to all the products from the beneficiary countries.

Which among the above statements is/are correct?

- (a) 1 and 2 only (b) 2 and 3 only (c) 1 only (d) 1 and 3 only

59. With regard to Autonomous District Councils in the Sixth Schedule areas, consider the following statements

1. The governor is empowered to organise and re-organise the autonomous districts.
2. The acts of Parliament or the state legislature do not apply to autonomous districts and autonomous regions.
3. The government has introduced a Constitution Amendment Bill in Rajya Sabha to curtail the financial and executive powers of the 10 Autonomous Councils.

Which among the above statements is/are correct?

- (a) 1 only (b) 1 and 2 only (c) 2 and 3 only (d) 1, 2 and 3

60. With regard to Drugs Technical Advisory Board (DTAB), consider the following statements

1. It is a statutory body.
2. It works under Ministry of Health and Family Welfare.

Which among the above statements is/are correct?

- (a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2

61. With regard to Solid Fuel Ducted Ramjet (SFDR), consider the following statements

1. It is a missile propulsion technology jointly developed by India and Russia.
2. It will enhance their strike range of missile and make them more lethal.
3. It uses a rotating compressor in its operation.

Which among the above statements is/are correct?

- (a) 1 and 2 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3

62. With regard to Drosophila, consider the following statements

1. It is a genus of flies.
2. It is regarded as a destructive agricultural pest.

Which of the above statements is/are correct?

- (a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2

63. The rehabilitation centre for freshwater turtles, recently seen in the news is opened in which among the following?

- (a) Odisha (b) Bihar (c) Kerala (d) Andhra Pradesh

64. Which among the following species has/have Extraocular Vision?

1. Red Brittle Star 2. Sea Urchin 3. Crabs

Select the correct answer using the codes given below:

- (a) 1 and 2 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3

65. With reference to UNESCO creative cities network (UCCN), consider the following statements

1. It is to promote cooperation with and among cities that have identified on their cleanliness.
2. No cities from India have been made into the list yet.

Which of the above statements is/are correct?

- (a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2

66. The New and Emerging Strategic Technologies (NEST) initiative recently seen in the news is introduced by which among the following?

- (a) Ministry of New and Renewable Energy (b) Ministry of Heavy Industries and Public Enterprises
(c) NITI Aayog (d) Ministry of External Affairs

67. With reference to FAME-II Scheme, consider the following statements

1. FAME is to encourage electric vehicles by providing subsidies.
2. Under FAME II the government will offer incentives for electric buses, three-wheelers and four-wheelers to be used for commercial purposes.
3. The centre will invest in setting up charging stations, with the active participation of public sector units and private players.

Which of the above statements is/are correct?

- (a) 1 and 2 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3

68. The Quds Force, often seen in the news belongs to, Which among the following?

- (a) Iran (b) Syria (c) Turkey (d) Yemen

69. Which among the following are privileges allowed for Parliament or Parliamentarians?

1. Freedom from Arrest
2. Exemption from attendance as witnesses:
3. Right to exclude strangers

Select the correct answer using the codes given below:

- (a) 1 and 2 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3

70. Which among the following statements is/are true regarding North East Monsoon?

1. It travels from South West to North East.
2. It brings rain to Tamil Nadu (which includes Puducherry), Kerala and Coastal Andhra Pradesh.
3. It contributes to 75% of India's annual rainfall.

Select the correct answer using the codes given below:

- (a) 1 and 2 only (b) 2 only (c) 1 and 3 only (d) 3 only

71. The *Senna Spectabilis*, recently seen in the news is related to:

- (a) A variety of mangrove tree. (b) Deciduous tree native to tropical areas of America.
(c) Drought resistant wheat variety. (d) A pesticide.

72. Arrange the following elements in decreasing order of their weight in composition of earth's crust.

1. Silicon 2. Oxygen 3. Iron 4. Aluminium

Select the answer using the code given below.

- (a) 1-2-3-4 (b) 2-1-3-4 (c) 2-1-4-3 (d) 1-2-4-3

73. Consider the following statements:

1. The main constituents of Granitic rocks are Silica and Magnesium.
2. Oceanic floors are mainly made up of Basaltic rocks.

Which of the statements given above is/are correct?

- (a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2

74. Consider the following pairs:

Landforms Agent

- | | |
|-------------------|-------------|
| 1. Playas | Glacier |
| 2. Mushroom Rocks | Wind |
| 3. Stalacites | Groundwater |

Which of the pairs given above are correctly matched?

- (a) 1 and 2 only (b) 1 and 3 only (c) 2 and 3 only (d) 1, 2 and 3

75. Consider the following statements:

1. Terrestrial planets are much larger than the Jovian planets.
2. Jovian planets have relatively high densities.
3. Terrestrial planets have higher gravity than Jovian planets.

Which of the statement given above is/are correct?

- (a) 1 and 3 only (b) 2 only (c) 1, 2 and 3 (d) None

76. Which of the following statements is/are correct with regard to earthquake waves?

1. P waves can travel through solid, liquid and gaseous materials.
2. S waves can travel only through liquid material.
3. Velocity of P waves increases as it enters from denser to rarer medium.

Select the correct answer using the code given below.

- (a) 1 only (b) 3 only (c) 1 and 2 only (d) 1, 2 and 3

77. Which of the following is/are correct regarding intrusive volcanic landforms?

1. Batholith is a large body of magmatic material cooled in deep depths in the form of large domes.
2. Wall like structure almost perpendicular to the ground is called Sill or Sheet.
3. Near Horizontal body of intrusive igneous rock is called Dyke.

Select the correct answer using the code given below.

- (a) 1 and 2 only (b) 1 only (c) 2 and 3 only (d) 1 and 3 only

78. Consider the following statements regarding the Continental Shelves:

1. These are extended margins of oceanic crust.
2. There is uniformity in the width of continental shelves of the every ocean.
3. The sedimentary deposits found here are sources of fossil fuels.

Which of the statements given above is/are correct?

- (a) 1 only (b) 2 and 3 only (c) 3 only (d) 1, 2 and 3

79. Bars, Barriers and Spits are:

- | | |
|---|--|
| (a) Erosional landforms created by sea waves. | (b) Depositional landforms along the coasts. |
| (c) Erosional features made by glaciers. | (d) Depositional features in deserts. |

80. Which of the following evidences were proposed by Alfred Wegener in support of the theory of Continental Drift?

1. Matching of the shorelines of continents.
2. Ancient rocks of Brazil coast matches with those from western Africa.
3. Presence of Tillite and placer deposits across continents.
4. Distribution of fossils.

Select the correct answer using the code given below.

- (a) 1, 3 and 4 only (b) 1, 2 and 3 only (c) 2 and 3 only (d) 1, 2, 3 and 4

81. Which of the following statements is/are correct regarding Volcanoes?

1. Shield Volcanoes are made up of basalt.
2. Deccan Traps are examples of flood basalt province.
3. Composite Volcanoes are made of highly fluid lava.

Select the correct answer using the code given below.

- (a) 1 only (b) 1 and 2 only (c) 3 only (d) 1 and 3 only

82. With reference to Fold Mountains, consider the following statements:

1. Fold Mountains are mainly found at constructive plate boundaries.

2. In a folding, upfolds are called anticlines and downfolds are syncline.

Which of the statements given above is/are correct?

- (a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2

83. Which of the following is/are the evidences of sea floor spreading?

1. Volcanic activity along the mid-oceanic ridges.
2. Increasing age of rocks away from the oceanic ridges.
3. Similarities of magnetic properties on either side of oceanic ridges.

Select the correct answer using the code given below.

- (a) 1 and 2 only (b) 2 and 3 only (c) 3 only (d) 1, 2 and 3

84. The terms foliation, lineation, and banding are associated with which of the following rocks?

- (a) Igneous Rocks (b) Sedimentary Rocks (c) Metamorphic Rocks (d) All of the above

85. Which of the following are the evidences of spherical shape of earth?

1. Shadow cast by earth during lunar eclipse.
2. Spherical shape of other planetary bodies.
3. Different time of sunset at different places.

Select the correct answer using the code given below.

- (a) 1 only (b) 1 and 2 only (c) 2 and 3 only (d) 1, 2 and 3

86. In which of the following regions, Karst topography is a dominant feature?

- (a) Humid Region (b) Limestone Region (c) Arid Region (d) Glacial Region

87. Consider the following statements with regard to earth's crust:

1. The oceanic crust is younger than the continental crust.
2. The oceanic crust is thinner than the continental crust.
3. The oceanic crust is lighter than continental crust.

Which of the statements given above are correct?

- (a) 1 and 2 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3

88. Which of the following statements is/are correct with regard to measurement of Earthquakes?

1. Richter scale measures intensity which takes into account visible damage created by it.
2. Mercalli scale measures magnitude which relates to energy released during earthquake.
3. Range of intensity scale is 1-12 and that of magnitude scale is 0-10

Select the correct answer from the code given below.

- (a) 1 and 2 only (b) 3 only (c) 1, 2 and 3 (d) None

89. Consider the following statements:

1. Under great heat and pressure igneous rock become sedimentary rocks.
2. Alluvial deposits in the Indo Gangetic plain is sedimentary accumulation.

Which of the statements given above is/are correct?

- (a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2

90. Which of the following conditions are found in the regions of arid landforms?

1. Insufficient rainfall
2. High rate of evaporation
3. Mechanical and chemical weathering
4. Wind erosion

Select the correct answer using the code given below.

- (a) 1 and 2 only (b) 1, 3 and 4 only (c) 2, 3 and 4 only (d) 1, 2, 3 and 4

91. Why it is essential to know about earth's interior?

1. To understand the evolution and present composition of atmosphere
2. To understand the internal structure of various solar system objects
3. To understand geophysical phenomenon like volcanism, earthquakes etc.
4. Future deep-sea mineral exploration

Which of the above statements is/are correct?

- (a) 1 and 3 only (b) 1, 3 and 4 only (c) 3 and 4 only (d) 1, 2, 3 and 4

92. Which of the following geographical features are encountered when one travels across the Himalayas?

1. Gorges 2. Rapids 3. Waterfalls 4. V Shaped valleys 5. Meanders

Select the correct answer using the code given below

- a) 1, 2 & 3 only b) 2, 3 & 4 only c) 1, 2, 3 & 4 only d) 1, 2, 3, 4 and 5

93. With reference to 'offshore drilling', consider the following statements.

1. It is a mechanical process in which oil drilling activities are taken up both on the seabed and in the inshore waters
2. It is a very environment friendly mechanism for oil and gas production.

Select the correct answer using the codes given below.

- a) 1 only b) 2 only c) Both 1 and 2 d) Neither 1 nor 2

94. With reference to the rift valley, consider the following statements?

1. A rift valley is formed after the formation of Fold Mountain.
2. A rift valley is formed on a divergent plate boundary.
3. The most extensive rift valley is located along the crest of the mid-ocean ridge system.

Select the correct answer using the code given below

- a) 1 and 2 only b) 1 and 3 only c) 2 and 3 only d) 1, 2 and 3

95. Consider the following statements:

1. The peninsular block mostly consists of relict or residual mountains.
2. The peninsular rivers flow from east to west indicating the slope of the plateau.
3. The peninsular plateau is composed of Archean gneiss and schists.

Which of the above statements are correct?

- a) 1 and 2 only b) 2 and 3 only c) 1 and 3 only d) 1, 2 and 3

96. Which among the following are the nutrient cycle whose reservoir is the earth's crust?

1. Nitrogen cycle 2. Carbon cycle 3. Sulphur cycle 4. Phosphorous cycle

Select the correct answer using the code given below

- a) 1 and 3 only b) 2 and 4 only c) 3 and 4 only d) 1, 2, 3 and 4

97. Which of the following islands are found in South China Sea?

1. Scarborough shoal 2. Paracel islands 3. Senkaku islands 4. Spratly islands

Select the correct answer using the codes given below.

- a) 2 and 4 only b) 2, 3 and 4 only c) 1, 2 and 3 only d) 1, 2 and 4 only

98. Why is Sargasso Sea called a 'sea' despite being located in the North Atlantic Ocean?

- a) The frequent tectonic disturbances across the mid-Atlantic ridge have created this sea.
- b) It borders currents form a clockwise-circulating gyre that surrounds the Sargasso Sea much like a terrestrial coastline would.
- c) It is the central area of calm surrounded by the North Atlantic Ocean gyre.
- d) It is present on an island in the North Atlantic Ocean.

99. Which of the following is *incorrectly* stated about the oceanic movements?

- a) Tidal bore happens when tide enters a narrow and low lying river which opens into a sea or bay.
- b) Monsoon currents of Indian Ocean are not influenced or modified by the coastlines.
- c) The sea water level becomes relatively higher in the areas of low evaporation and high rainfall.
- d) Ocean currents are not influenced by the bottom reliefs of the ocean in the low latitudes.

100. Consider the following statements.

1. Bering Strait is nearest strait to the International Date Line.
2. Balearic Islands are located in Black Sea
3. Israel has access to both Mediterranean Sea and Red sea

Which of the statements given above is/ are correct?

- a) 1 and 3 only b) 2 and 3 only c) 2 only d) 1, 2 and 3

ALL THE BEST