

11th Geography Lesson 5 Questions in English
5] Hydrosphere

1. Consider the following statements, find the correct answer
 - a) Over 95% of the world's supply of fresh water is in Antarctica.
 - b) 80% of the world population lives in the driest part of the planet
 - A) a only
 - B) b only
 - C) Both a and b
 - D) Neither a nor b
2. _____% of human brain is water
 - A) 60%
 - B) 70%
 - C) 65%
 - D) 75%
3. The hydrosphere includes which of the following
 1. Water on the surface of the earth,
 2. Ground water
 3. Water in the atmosphere
 - A) 1, 2
 - B) 2, 3
 - C) 1, 3
 - D) 1, 2, 3
4. Consider the following statements find the correct answer
 - A) The atmosphere has water in all the four forms.
 - B) The total amount of water on the earth does change over time.
 - C) Water is constantly in motion within the spheres of the earth.
 - D) The earth's hydrosphere acts as an open system.
5. _____% of water is salty found in seas and oceans.
 - A) 96.5
 - B) 94.5
 - C) 97.5
 - D) 95.5
6. Find the incorrect statements.
 1. 70.8% area of earth (261million square km) is covered by water.
 2. 29.2% area of earth (148 million square km) is covered by land
 - A) 1 only
 - B) 2 only
 - C) Both 1 & 2
 - D) Neither 1 nor 2
7. Find out the correct statement
 1. Fresh water occupies only 2.5% of the earth
 2. Saline ground water and saline lakes together form 2% of the earth
 - A) 1 only
 - B) 2 only
 - C) Both 1 & 2
 - D) Neither 1 nor 2
8. Fresh water has the salinity of less than _____%
 - A) 1
 - B) 1.2
 - C) 2
 - D) 1.5
9. Salinity of marginal water is?
 - A) 0.3 – 1
 - B) 0.35 – 1.5
 - C) 0.35 – 1
 - D) 0.3 – 1.8
10. Find out the correct statement about fresh water
 - A) 68.6% of fresh water is locked in Glaciers and icecaps.
 - B) 30.1% is stored as ground water
 - C) Remaining 1% is available as surface water
 - D) A and B
11. Find out the incorrect statement

1. River Ganga has its source from Gangotri glacier in the Himalayas.

2. River Cauvery has its source from in Talacauvery located in Kodagu district of Karnataka.

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

12. River Nile has its source from

A) Uganda

B) Ethiopia

C) Kenya

D) Tanzania

13. What is inland drainage?

A) When rivers drain their water into a lake

B) When rivers drain their water into an inland sea

C) When rivers drain their water into ocean

D) Both A and B

14. Match the following

River Place

a) Nile - 1. South America

b) Amazon - 2. Africa

c) Yangtze - 3. USA

d) Mississippi - 4. Asia

A) 2, 1, 4, 3

B) 1, 2, 4, 3

C) 2, 1, 3, 4

D) 1, 2, 3, 4

15. Which is the longest river in the world?

A) Nile

B) Amazon

C) Sind

D) Yangtze

16. River amazon drains into?

A) Pacific ocean

B) Arctic ocean

C) Atlantic ocean

D) Southern ocean

17. Find out the correct statement?

1. The Yangtze River, which flows in China, is the longest river in Africa,

2. Yangtze is the fourth longest river in the world

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

18. Mississippi-Missouri is the _____ longest river in the world

A) Fifth

B) Fourth

C) Sixth

D) Second

19. Find out the correct statement

A) 263 rivers either cross or demarcate international political boundaries

B) The total volume of water in rivers in the world is estimated at 2,720 cubic km

C) Asia excluding Middle East, has the largest run off of 11,300 km³/year

D) North America with 15,000 cubic km per year.

20. WRIS stands for

A) Water Restoration Information System

B) Water Resources Information System

C) Water Resources Indian System

D) Waste Resources Information System

21. 1 TMC = _____

A) 1000 million cubic feet

B) 1000 billion cubic feet

C) 100 million cubic feet

D) 100 billion cubic feet

22. _____ is the deepest freshwater lake in the world

A) Caspian Sea

B) Lake Baikal

C) Wular Lake

D) Victoria Lake

23. _____ is the largest salt water lake in the world.

A) Caspian Sea

- B) Lake Baikal
- C) Wular Lake
- D) Victoria Lake

24. Which of the following lakes have been formed by earth movements?

- 1. Caspian Sea
- 2. Lake Baikal
- 3. Wular Lake
- 4. Victoria Lake

A) 1, 2, 3, 4

B) 1, 3, 4

C) 1, 2, 3

D) 1, 2, 4

25. Which of the following is incorrectly matched pair

- 1. Lagoon lake - formed by wave deposition
- 2. Chilika lake - largest lagoon in India
- 3. Lonar lake - located in Maharashtra

A) 1, 2

B) 1, 2, 3

C) 1, 3

D) None of the above

26. Match the following

- a) Lake Toba - 1. Odisha
- b) Chilika Lake - 2. Sumatra
- c) Lunar Lake - 3. Maharashtra
- d) Sambar Lake - 4. Rajasthan

A) 2, 1, 4, 3

B) 2, 1, 3, 4

C) 1, 2, 3, 4

D) 1, 2, 4, 3

27. Which is known as the land of thousand lakes?

- A) England
- B) Netherland
- C) Finland
- D) Switzerland

28. Consider the following statements about wetlands, find the correct one.

- 1. Wetlands are areas of marshy, fen, peat lands
- 2. These waters are static or flowing

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

29. Ran of katch is example of _____?

A) Salt marsh

B) Water swamp

C) Wetland

D) Lagoon Lake

30. Find out the correct statement

1. Swamps are shallow wetlands around lake, streams or the oceans where grasses and reeds are common without trees.

2. Marsh is a wetland with lush trees and vines found in low lying area beside slow moving rivers.

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

31. Which of the following is a fresh water swamp?

- A) Sundarbans
- B) Pallikaralai
- C) Pichavaram
- D) Lagoon

32. The permeable rocks that can hold water and allow water to flow through are called?

- A) Water table
- B) Ground water
- C) Surface water
- D) Aquifers

33. Consider the following statements, find the correct one?

1. The upper part of the saturated zone of aquifers is called ground water.

2. The level of water table does not fluctuate according to seasons.

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

34. What is known as saltwater intrusion?

- A) If excessive water is taken from the ground water along the coast, the sea water enters the coastal aquifer
- B) If excessive water is taken from the land surface along the coast, the sea water enters the coastal aquifer
- C) If excessive water is taken from the water table along the coast, the sea water enters the coastal aquifer
- D) If excessive water is taken from the aquifers along the coast, then the sea water enters the coastal aquifer

35. Which controls the energy budget of the earth?

- A) Troposphere
- B) Cryosphere
- C) Ozonosphere
- D) Stratosphere

36. Find the incorrect statements.

- 1. Cryosphere includes the water in liquid state.
- 2. Glaciers, ice sheets, ice caps, lake and river ice does not included in cryosphere

- A) 1 only
- B) 2 only
- C) Both 1 & 2
- D) Neither 1 nor 2

37. Perennial ice cover is found in?

- 1. Greenland
- 2. Antarctica
- 3. Finland
- 4. Alpine

- A) 1, 2, 3
- B) 1, 2, 3, 4
- C) 1, 2, 4
- D) 1, 3, 4

38. Find out the incorrect statement

- 1. Permafrost is the condition prevailing when water freezes above and below the ground for more than two consecutive years.
- 2. Most permafrost regions are located in low latitudes

- A) 1 only
- B) 2 only
- C) Both 1 & 2
- D) Neither 1 nor 2

39. Find out the correct statement

- A) Mount Kilimanjaro is located in Tanzania, Africa.
- B) Kilimanjaro is located closer to the tropic of cancer has permafrost.
- C) A and D
- D) Height of Kilimanjaro is 5895 m

40. Seasonal snow and ice crystals are confined to

- 1. Middle latitudes
- 2. Low mountains in higher latitudes
- 3. High mountains in lower latitude
- 4. Low mountains in lower latitudes

- A) 1, 2
- B) 1, 3
- C) 2, 4
- D) 3, 4

41. Find out the correct statements

- 1. Sea ice is floating ocean water
 - 2. Formation of sea ice, growth and melting are all confined to the ocean.
 - 3. An ice shelf is a thick, floating slab of ice
- A) 1, 2,
 - B) 2, 3
 - C) All the above
 - D) None of the above

42. Find out the correct pairs

- 1. Ross Ice Shelf - Arctic
- 2. Filchner-Ronne ice shelf - Antarctica.
- 3. Iceberg - Ice floating in open water

- A) 1 only
- B) 2, 3 only
- C) 3 only
- D) All the above

43. Find out the incorrect statement

- 1. Cryosphere is water indicator.

2. Cryosphere with its low albedo influences the energy balance of the whole planet.

3. Changes in cryosphere will alter land cover, surface temperature, soil moisture etc.

4. There is a complex interaction and balance among the spheres of the earth which makes life to flourish in the earth.

A) 3, 4

B) 2, 3

C) 1, 2

D) 1, 4

44. Carbon is removed from the atmospheric cycle by_____?

A) Atmosphere

B) Troposphere

C) Cryosphere

D) Ionosphere

45. Find the correct statement

1. The water in the oceans and seas is termed as marine water.

2. Continuous water body that surrounds the continents, created by earth's internal force is known as sea

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

46. Find the correct statement

1. The term ocean takes its origin from the Latin word 'Oceaonus'.

2. Meaning of Oceaonus is enormous river encircling the earth.

A) 1

B) 2

C) Both 1 & 2

D) Neither 1 nor 2

47. The area of the World Ocean is _____ million square kilometer?

A) 261 million

B) 361 million

C) 471 million

D) 251 million

48. Find the correct statements

1. All the five oceans are interconnected to form one Global Ocean or World Ocean

2. Mean Sea Level (MSL) is the average height of the surface of the sea for all stages of the wave.

3. MSL is reference point to measure the height of land features and length of the sea features.

A) 1, 2

B) 1 only

C) 2, 3 only

D) 1, 2, 3

49. Match the following

a) Marginal Sea - 1. Body of saline water enclosed by land

b) Sea - 2. Partially enclosed by islands

c) Cryosphere - 3. Water in frozen state

A) 2, 1, 3

B) 1, 2, 3

C) 3, 2, 1

D) 2, 3, 1

50. Which of the following will not come under marginal sea?

1. Andaman Sea

2. Arabian Sea

3. Bay of Bengal

4. Java Sea

A) 1, 2, 3

B) 1, 2, 4

C) All the above

D) None of the above

51. _____ is a water body surrounded on three sides by land and the fourth side wide open towards an ocean

A) Strait

B) Bay

C) Gulf

D) Cave

52. Find out the incorrect statement.

1. Creek is a large body of water, with a narrow mouth, that is almost completely surrounded by land.

2. The world's second largest gulf is the Gulf of Mexico

- A) 1 only
- B) 2 only
- C) Both 1 & 2
- D) Neither 1 nor 2

53. Which of the following are some types of bays?

- 1. Sound
 - 2. Creek
 - 3. Bight
 - 4. Cove
- A) 1, 2, 3
 - B) 2, 3, 4
 - C) 3, 4, 2
 - D) 4, 3, 2, 1

54. Find the correct answer

1. Strait is a broad channel of water, connecting two larger bodies of water.

2. Palk Strait connects Gulf of Mannar and Bay of Bengal

- A) 1 only
- B) 2 only
- C) Both 1 & 2
- D) Neither 1 nor 2

55. Isthmus of Suez connects

- A) Asia and America
- B) Africa and Australia
- C) Australia and Asia
- D) Asia and Africa

56. Which is the best example for enclosed sea?

- A) South china sea
- B) Red sea
- C) Caspian sea
- D) Mediterranean Sea

57. Find out the correct statement.

- A) Partly Enclosed Seas are connected to the oceans by a very wide opening
- B) A series of islands may also occur between a partly enclosed sea and the ocean to which it is connected.

C) Caspian Sea is a perfect example.

D) A and B

58. Find out the incorrect statements

1. Landlocked Seas are completely surrounded by landmass on all sides with natural outlet.

2. They are actually hyper saline lakes.

3. Red Sea and Caspian Sea are good examples of landlocked seas.

- A) 2 only
- B) 1, 2 only
- C) 1, 3 only
- D) None of the above

59. Jordan River flow into _____?

- A) Dead sea and Caspian Sea
- B) Caspian and Red Sea
- C) Red sea and Dead Sea
- D) South china sea and Dead Sea

60. Find out incorrect statement

1. Fjord is a long indented bay with steep slope.

2. Fjord has been created by the submergence of U shaped glacial valley.

3. Example: sogne Fjord in Norway (203 km).

- A) 1, 2
- B) 2, 3
- C) All the above
- D) None of the above

61. George River in Sydney is the best example for _____?

- A) Creek
- B) Ria
- C) Fjords
- D) Cove

62. The life cycle of ocean is?

- A) Wilson cycle
- B) Golden cycle
- C) Water cycle
- D) William cycle

63. Match the following

- a) Southern Ocean - 1. 6%
- b) Arctic Ocean - 2. 4%
- c) Pacific Ocean - 3. 46%

d) Atlantic Ocean - 4. 24%

e) Indian Ocean - 5. 20%

A) 2, 1, 3, 4, 5

B) 1, 2, 3, 4, 5

C) 1, 2, 3, 5, 4

D) 2, 1, 5, 4, 3

64. Find out the correct statement about Suez Canal.

1. The Suez Canal, an artificial sea level waterway in Uganda

2. It connects the Mediterranean Sea to the Dead Sea through the Isthmus of Suez.

3. Officially opened on November 17, 1969

A) 1, 3

B) 1, 2

C) All the above

D) None of the above

65. Find out the incorrect statement

A) Pacific Ocean is the largest ocean in the world.

B) It is bigger than all continents put together.

C) Explorer Ferdinand Magellan named the ocean Pacific Ocean

D) Average depth of this ocean is 5,280 meters.

66. Find the correct statement

1. Portuguese explorer Ferdinand Magellan in 1621 named the ocean Pacific Ocean.

2. Its meaning 'peaceful'

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

67. Magellan named Pacific Ocean after comparing it with_____.

A) Atlantic ocean

B) Indian ocean

C) Pacific ocean

D) Arctic ocean

68. Find out the correct statement

1. The South Atlantic Ocean was formed by the break-up of the supercontinent Pangaea.

2. The North Atlantic was formed when the Gondwana land broke in the geological past.

A) 1 only

B) 2 only

C) Both 1 and 2

D) Neither 1 nor 2

69. It is the second largest ocean of the world and the name refers to Atlas of Greek mythology?

A) Indian ocean

B) Pacific ocean

C) Atlantic ocean

D) Southern ocean

70. Consider the following statements about Indian Ocean, find the incorrect one

1. It is the third largest ocean in the world

2. It is the only ocean named after the country

3. Its calm open water has encouraged the sea trade earlier than Southern or Pacific Ocean

A) 1 only

B) 2 only

C) 3 only

D) None of the above

71. Find the incorrect statement about southern ocean

A) It is the fourth largest ocean in the world

B) It is the youngest ocean formed 10 million years ago

C) During summer in southern hemisphere half of the southern ocean is covered with ice and icebergs

D) It has a boundary where cold northward flowing water from the Antarctic mixes with warmer sub Antarctic water

72. The southern ocean is formed 30 million years ago when South America is moved away from ____?

A) Australia

B) North America

C) Antarctica

D) Asia

73. Whose salinity is lower than the average of major five oceans?

- A) Arctic ocean
- B) Pacific ocean
- C) Atlantic ocean
- D) Southern ocean

74. Find out the incorrect statement

- 1. Bering Strait connects Arctic Ocean with Atlantic Ocean
- 2. Labrador Sea and Greenland Sea connects the Arctic Ocean with Pacific Ocean

- A) 1 only
- B) 2 only
- C) Both 1 and 2
- D) Neither 1 nor 2

75. Consider the following statements about Arctic Ocean find the correct answer

- 1. The deepest point is Litke deep
- 2. It is located in Eurasian basin
- 3. Height of this deep is 5550 m

- A) 1, 3
- B) 1, 2
- C) 1, 2, 3
- D) 2, 3

76. Find the incorrect statement about Arctic Ocean.

- A) Arctic Ocean is shallower and smaller than other four oceans
- B) It is completely surrounded by Eurasia and South America
- C) It is covered by ice completely in winter
- D) The salinity and surface temperature of Arctic Ocean is vary seasonally as the ice cover melts and freezes alternatively

77. IHO stands for

- A) International Hydraulic Organization
- B) International Hydrosphere Organization
- C) Indian Hygroscopic Organization
- D) International Hygroscopic Organization

78. Find out the correct statement about IHO

- 1. It is the intergovernmental organization

2. It surveys and produces charts for world seas, oceans and navigable waters

- A) 1 only
- B) 2 only
- C) Both 1 and 2
- D) Neither 1 nor 2

79. Find out the correct statement

- 1. The high-tide line forms the base line for marking maritime zones.
- 2. Water landward of the baseline is defined as external waters over which the state has complete sovereignty.

- A) 1 only
- B) 2 only
- C) Both 1 and 2
- D) Neither 1 nor 2

80. Find the incorrect statement

- 1. A country's territorial sea extends up to 24 nautical miles (22.2 km) from its baseline
- 2. The contiguous zone is a zone of water extending from the outer edge of the territorial sea up to 12 nautical miles (44.4 km) from the baseline.

- A) 1 only
- B) 2 only
- C) Both 1 and 2
- D) Neither 1 nor 2

81. An Exclusive Economic Zone (EEZ) extends from the base line to a maximum of _____?

- A) 200 nautical miles
- B) 150 nautical miles
- C) 300 nautical miles
- D) 210 nautical miles

82. Find out the incorrect statement

- A) A coastal nation has control of all economic resources within its exclusive economic zone, including fishing, mining and oil exploration.
- B) Everything beyond EEZ is called International Waters or the High Seas.
- C) All nation has sovereign rights over this area.
- D) A and B

83. A nautical mile is _____m is used in navigational charts.

- A) 1552 m
- B) 1752 m
- C) 1852 m
- D) 1652 m

84. INCOIS stands for?

- A) Indian National Centre for Ocean Information System
- B) Inter National Centre for Ocean Information Services
- C) Indian National Council for Ocean Information Services
- D) Indian National Centre for Ocean Information Services

85. Find the incorrect statements

1. INCOIS with its Marine Satellite Information Services uses the remotely sensed sea surface temperature (SST) to identify the locations of fish aggregation.

2. The details of the Potential Fishing Zones (PFZ) are then disseminated to the fishermen once in every two days.

- A) 1 only
- B) 2 only
- C) Both 1 and 2
- D) Neither 1 nor 2

86. Consider the following statements find the incorrect one.

1. The bottom of the ocean has a variety of landforms just as it is seen on the earth's surface.

2. There are large mountain ridges, deep depressions, flat plains, basins and volcanoes.

3. The configuration of a sea is shown with the help of a 'Hypsometric curve'.

4. It is a graph denoting the proportion of a landmass standing above or below the sea level

- A) 2 only
- B) 3 only
- C) 1 only
- D) None of the above

87. Find the incorrect statement about continental slopes

1. Continental shelf is the seaward extension of land that lies under the sea water.

2. It occupies 9% of the sea floor.

3. The continental shelf slopes gently away from the water

- A) 1 only
- B) 2, 3 only
- C) 1, 2 only
- D) 2 only

88. Find the correct statements about continental shelf

A) The width of the continental shelf varies according to the nature of the rock beneath the crust.

B) If the crust is dynamic then the shelf would be narrow and vice versa.

- C) Both A and B
- D) Neither A nor B

89. Continental shelves are formed due to

1. Fluvial deposits,

2. Marine erosion,

3. Tectonic forces,

4. Fluctuations in sea level in the past.

- A) 1, 2, 3
- B) 1, 2, 3, 4
- C) 1, 3, 4
- D) 2, 3, 4

90. Which are well known for oil, natural gas?

- A) Continental shelf
- B) Continental Slope
- C) Continental rise
- D) Abyssal plain

91. Find out the correct statement about continental shelf

a. World famous fishing grounds like Grand Bank are situated here.

b. The world's widest continental shelf is located along the coast of Siberia, in Australia

c. The world's widest continental shelf is 1230 km long

A) a only

B) b only

C) c only

D) all the above

92. Find out the incorrect answer

1. Continental shelf on the west coast of India is formed by deltas of the Ganga, the Godavari, the Krishna and the Cauvery.

2. Continental shelf on the east coast of India the continental shelves are formed due to faulting and consequent submergence.

A) 1 only

B) 2 only

C) Both 1 and 2

D) Neither 1 nor 2

93. Find the incorrect statement about continental slope

1. The zone of gentle slope extending from the continental shelf to the deep sea Plain is called continental slope.

2. The slope angle varies from 5° to 60°

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

94. The area between the continental slope and the sea floor is known as _____?

A) Continental shelf

B) Continental Slope

C) Continental rise

D) Abyssal plain

95. Find the incorrect statement about continental rise

A) This part is noted for the accumulation of sediments similar to the alluvial fans near the foot hills in the land.

B) It represents the boundary between continents and abyssal plain.

C) It constitutes about 7% of the oceanic area.

D) A and B

96. Find out the correct statements

1. The Abyssal plain is the vast area of flat terrain in the bottom of the oceans.

2. It is the largest part of ocean relief covering more than 50% of the total area

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

97. Find out the correct statements about abyssal plains

a. There is an accumulation of very fine sediments on the floor.

b. The sediments are combinations of fine particles of clay and microorganisms.

c. As in the case of sedimentary rocks of earth's surface these sediments are in layers and are used to trace geological events in the past

A) a, b

B) a, c

C) a, b, c

D) b, c

98. Find out the incorrect statements about mid oceanic ridges

1. The mid-ocean ridges are marine mountains.

2. They are Non continuous and are connected to form a single global mid oceanic ridge system.

3. They are formed by the tectonic forces acting above the earth.

A) 1, 2

B) 2, 3

C) 1, 3

D) 1, 2, 3

99. Find the correct statement

1. Mid oceanic ridges are located on the convergent plate boundaries where magma flows through the fissure to form new oceanic crust.

2. They form the longest mountain range in the world extending for more than 56,000 km long and has a maximum width of 800–1,500 km.

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

100. Find out the correct statement

1. The long, narrow, steep-sided depressions formed by tectonic forces beneath the continental rise are called Ocean trenches.

2. Oceanic trenches actually extend 3 to 4 km below the level of the continental slope

A) 1 only

B) 2 only

C) Both 1 and 2

D) Neither 1 nor 2

101. Match the following

Oceanic trenches Place

a) 3 - 1. The Pacific Ocean

b) 1 - 2. The Atlantic Ocean

c) 22 - 3. The Indian Ocean.

A) 2, 3, 1

B) 1, 2, 3

C) 3, 2, 1

D) 3, 1, 2

102. Find out the incorrect statement

A) The Challenger Deep in the Pacific Ocean is the deepest part of the earth.

B) The challenger deep located in Mariana trench

C) Height of the challenger deep is 20,994 m

D) A trench forms along the convergent boundary where one plate Sub ducts below the other

103. Total number of trenches in the world_?

A) 27

B) 22

C) 26

D) 24

104. Which of the following trench is located in Indian Ocean?

A) Tonga Trench

B) Kurile Trench

C) Tizar Romanche

D) Sunda Trench

105. Find out the correct statements?

1. Aldrich trench also called as Tonga Trench

2. It is located in South Pacific.

3. Height of the trench is 10882 m

A) 1, 2

B) 2, 3

C) 1, 3

D) 1, 2, 3

106. Match the following

Name of the Trench Location

a) Challenger in Mariana Trench - 1. North Pacific

b) Tonga Trench - 2. South Pacific

c) Kurile Trench - 3. North Pacific Tizar

d) Romanche Trench - 4. South Atlantic

e) Sunda Trench - 5. East of Indian Ocean

A) 1, 2, 3, 5, 4

B) 1, 3, 2, 4, 5

C) 1, 2, 3, 4, 5

D) 2, 3, 1, 4, 5

107. Match the following

Name of the Trench Depth (in Meters)

a) Challenger in Mariana Trench - 1. 10,994

b) Aldrich or Tonga Trench - 2. 10,882

c) Kurile Trench - 3. 10,554

d) Tizar Romanche - 4. 7,761

A) 1, 2, 4, 3

B) 2, 4, 3, 1

C) 1, 4, 3, 2

D) 1, 2, 3, 4

108. Consider the following statements find out the correct answer

1) It is a land is a landmass surrounded by water on all sides.

2) It may be formed on the continental shelf or as oceanic islands.

A) Trenches

B) Guyots

C) Islands

D) Seamounts

109. Find out the incorrect statement

1. Group of islands formed by subduction of ocean plate
2. These group of islands are known as archipelago.
3. Islands of Japan form an archipelago.

- A) 1, 2
B) 1, 3
C) All the above
D) None of the above

110. Find out incorrect statement

1. Most of the oceanic islands are volcanic in origin.
2. Marine organisms, the coral polyps colonize the tropical warm water and form islands known as coral islands.
3. Lakshadweep Island in Indian Territory are volcanic origin.
4. Andaman Nicobar islands made of corals.

- A) 1, 2
B) 2, 3
C) 3, 4
D) 1, 4

111. Find out the correct statement

- A) Ocean deep is grouped into two categories based on their size.
B) Very deep but less extensive depression are called trenches.
C) Long narrow linear and more extensive depressions are called deeps.
D) B and C

112. Flat topped volcanic hills submerged under the sea water are called ____?

- A) Trenches
B) Guyots
C) Islands
D) Seamounts

113. Find out the correct statement about seamounts

1. Seamounts are spherical, volcanic hills submerged under ocean water.
2. It reaches to the water's surface.

3. It is an isolated rise with an elevation of thousand meters or more from the surrounding sea floor and with a limited summit area

- A) 1 only
B) 2 only
C) 3 only
D) None of the above

114. Find out the correct statement

1. Sea mounts occupies 3.39 percent of ocean region.
2. Seamounts and guyots are most abundant in the South Pacific Ocean.

- A) 1 only
B) 2 only
C) Both 1 and 2
D) Neither 1 nor 2

115. Continental shelf adjoining coasts of ____ and Indonesia varies in width from 160 to 1,600 km?

- A) Australia
B) Asia
C) Africa
D) America

116. Find out the incorrect statement

1. In the Pacific Ocean, the continental shelves are very vast.
2. Absence of mid oceanic ridges is the mainReason for deep sea plains.

- A) 1 only
B) 2 only
C) Both 1 and 2
D) Neither 1 nor 2

117. Prominent submarine ridges of the Pacific Oceans are?

1. Albatross plateau
2. Cocas ridge
3. Aleutian ridge

- A) 1, 2
B) 2, 3
C) 3, 1
D) 1, 2, 3

118. Tasmania basin is located in _____?

- A) New Zealand
- B) Australia
- C) Japan
- D) South Africa

119. Find out the correct statement

1. Pacific Ocean has about 35,000 islands.
2. There are number of archipelagos both in East and South Pacific Ocean

- A) 1 only
- B) 2 only
- C) Both 1 and 2
- D) Neither 1 nor 2

120. Find out the correct statements

1. The Hawaii islands were formed by hotspot.
2. The challenger deep in Mariana trench is the deepest part of Pacific Ocean (10994m).

- A) 1 only
- B) 2 only
- C) Both 1 & 2
- D) Neither 1 nor 2

121. Consider the following statements, find the incorrect statement

1. Newfoundland in the North Atlantic Ocean is called Grand bank
2. British islands in South Atlantic Ocean is called Dogger Bank.

- A) 1 only
- B) 2 only
- C) Both 1 & 2
- D) Neither 1 nor 2

122. In which Ocean, a very extensive continental shelf is found between Bahia Blanca and Antarctica

- A) North Pacific Ocean
- B) North Atlantic Ocean
- C) South Atlantic Ocean
- D) South Pacific Ocean

123. Find out the correct statement about Atlantic Ocean

- A) Bottom relief of Atlantic Ocean is the most striking relief feature.

B) It is the 'S' shaped Mid-Atlantic ridge which extends for 16,000 km

C) It extends from Iceland in the south to Bouvet Island in the north.

D) A and B

124. Consider the following statements, find the correct answer

1. The ridge separates the Eurasian Plate and North American Plate in the North Atlantic, and the African Plate from the South American Plate in the South Atlantic

2. Iceland and Faroe are the few peaks of this ridge.

- A) Cocos ridge
- B) Aleutian ridge
- C) Mid-Atlantic ridge
- D) None of the above

125. Find out the incorrect statement about Atlantic Ocean

- A) The mid-Atlantic ridge divides the Atlantic Ocean into two major basins
- B) East and West Atlantic basins.
- C) Puerto Rico Deep (9,380 m) is the deepest of all deeps in the Atlantic Ocean.
- D) Other deeps are Romanche Deep and South Sandwich Trench.

126. Which of the following is an island of South Atlantic Ocean?

1. Sandwich Island
2. Georgia Island
3. Falkland Island
4. Shetland Islands

- A) 1, 2, 3
- B) 1, 3, 4
- C) 1, 2, 3, 4
- D) 2, 3, 4

127. Find out the incorrect statement.

1. The West Indies is an island archipelago near the main land of South America.

2. British Isles and Newfoundland are famous islands, formed on the continental shelf in the South Atlantic Ocean

- A) 1 only
- B) 2 only
- C) Both 1 & 2
- D) Neither 1 nor 2

128. Find out the correct statement

- A) The Indian Ocean has continental shelf of varying width.
- B) Continental shelf along the coast of Arabian Sea, the Bay of Bengal and Andaman varies in width from 112km to 380km.
- C) A variety of coral reefs thrive in the warm temperate water of the Indian Ocean.
- D) B and C

129. Indian Ocean has a continuous central ridge called _____ ridge?

- A) Arabic Indian ridge
- B) East Indian ridge
- C) West Australian ridge
- D) South Indian ridge

130. Which of the following are ridges of Indian Ocean?

- 1. Arabic Indian ridge
- 2. East Indian ridge
- 3. West Australian ridge
- 4. South Madagascar ridge

- A) 1, 2, 3
- B) 1, 3, 4
- C) 1, 2, 3, 4
- D) 2, 3, 4

131. The average depth of the Indian Ocean is _____?

- A) 3880 m
- B) 3890 m
- C) 3780 m
- D) 2980 m

132. Find out the incorrect statement

- 1. Sunda deep near Java is the longest part of Indian Ocean
 - 2. Sunda deep is 7950m
- A) 1 only
 - B) 2 only
 - C) Both 1 & 2

D) Neither 1 nor 2

133. Find out the incorrect statement

- A) Madagascar and Sri Lanka are the most prominent islands present in Indian Ocean
- B) Reunion Island is located on a Hot spot.
- C) The average depth of the Indian Ocean is 3890m
- D) None of the above

134. _____ islands in the Bay of Bengal are the raised part of mountains that are the extension of Arakan Yoma?

- A) Madagascar
- B) Sri Lanka
- C) Andaman and Nicobar
- D) Lakshwadeep

135. Find out the correct statement

1. The measurement of degree of hotness or coldness of ocean water is referred to as ocean heat

2. Temperature is normally measured in the unit of degree Celsius by thermometer.

- A) 1 only
- B) 2 only
- C) Both 1 & 2
- D) Neither 1 nor 2

136. Find out the correct statement

A) The major source of heat energy for ocean water is the radiation from sun.

B) The heating and cooling capacity of water differs significantly from that of land.

- C) Both A and B
- D) Neither A nor B

137. The factors affecting distribution of ocean temperature are

- 1. Latitude
- 2. Longitude
- 3. Prevailing winds
- 4. Ocean currents
- 5. Local weather

- A) 1, 2, 3, 4
- B) 1, 2, 4, 5
- C) 1, 3, 4, 5

D) 2, 3, 4, 5

138. Find out the incorrect statement

1. Direction of the wind affects the distribution of pressure of ocean water.

2. The off shore winds blowing from the ocean towards land raise the temperature of ocean water.

3. Winds blowing from snow covered regions in winter lower the surface temperature

A) 1, 3

B) 2, 3

C) 1, 2

D) 1, 2, 3

139. Find out the correct statement

1. In trade wind belt, the off shore winds initiate upwelling of warmer water from beneath

2. In trade wind belt the on shore winds pile up warm water to decrease the temperature to certain extent.

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

140. Gulf Stream is _____ current

A) Warm current

B) Cold current

C) Both warm and cold current

D) None of the above

141. Find out the correct statement

A) Gulf Stream decreases the temperature of the eastern part of North America and the west coast of Europe.

B) Labrador warm current reduces the temperature near north eastern coast of North America.

C) Warm currents raise the temperature of the oceans where they flow

D) A & B

142. Which of the following affect the surface temperature of ocean water?

1. Submarine ridges

2. Storms

3. Cyclones

4. Hurricanes

5. Fog

6. Cloudiness

7. Evaporation

A) 1, 2, 3, 4, 5

B) 1, 2, 3, 6, 7

C) 1, 3, 4, 5, 6, 7

D) 1, 2, 3, 4, 5, 6, 7

143. Find out the correct statement

1. The diurnal range and annual range of temperature of ocean is much higher than that of the land.

2. The temperature of the sea surface is highest (27°C to 30°C) not near Equator but few degrees north of the Equator.

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

144. The lowest temperature recorded near the poles is?

A) -1.2°C

B) -1.0°C

C) -1.9°C

D) -1.7°C

145. The maximum and minimum annual temperatures of ocean water are recorded which month in Northern hemisphere?

A) August and February

B) August and January

C) July and February

D) August and March

146. Consider the following statements about upper layer of the ocean, find the correct statement

1. The uppermost layer of ocean water is cold and well mixed surface layer

2. The average temperature of upper most layer of ocean water is between 20° and 35°C.

3. The depth of this layer does not varies according to seasons.

4. On an average this layer extends up to 500 m in tropical region

- A) 1, 3, 4
- B) 1, 2, 3
- C) All the above
- D) None of the above

147. Find out the correct statement about thermocline layer.

1. Beneath the upper most layer of ocean lies the thermocline layer.
2. Thermocline layer varies in depth Between 500 meter to 1000 meter.
3. Thermocline layer is unique that the temperature increases rapidly with increasing depth.

- A) 1 only
- B) 2 only
- C) 3 only
- D) All the above

148. Find out the correct statement

1. Below the thermocline temperature decrease is gradual up to 5000m.
2. Beneath this depth the temperature of ocean water is constant at 9°C

- A) 1 only
- B) 2 only
- C) Both 1 & 2
- D) Neither 1 nor 2

149. Find out the incorrect statement

1. Depth of water is measured in the unit 'Fathom'.
2. One fathom is equal to 1.8 meter
3. One fathom is equal to six feet

- A) 1, 2
- B) 2, 3
- C) All the above
- D) None of the above

150. Find out the correct statement

1. Salinity is defined as the ratio between the weights of dissolved salts per 100 grams of water.

2. Salinity is expressed as part per thousand (‰) and has no units.

- A) 1 only
- B) 2 only
- C) Both 1 & 2
- D) Neither 1 nor 2

151. The average ocean salinity is _____ %

- A) 35 %
- B) 30 %
- C) 45 %
- D) 25 %

152. The salinity of ocean water depends upon

1. The rate of condensation
2. Amount of precipitation,
3. Addition of fresh water flow from seas
4. Ice in Polar Regions

- A) 1, 4
- B) 2, 4
- C) 1, 3
- D) 1, 2, 3, 4

153. Find out the correct statement about ocean salt

- A) Most of the ocean salts are derived from weathering and erosion of the earth's core by the rivers.
- B) Some of the ocean salts have been dissolved from rocks and sediments below the sea floor
- C) While others have escaped from the earth's crust through volcanic vents as liquid and gaseous materials.

D) A & C

154. Find out the correct statement about sea water

1. Sea water is a weak but complex solution
2. It is made up of many things including mineral salts
3. It is made up of decayed biological marine organisms.

- A) 1, 2
- B) 1, 3
- C) 1, 2, 3
- D) 2, 3

155. Find out the incorrect statement

1. In partially enclosed seas, their bottom relief and the submarine ridges with shallow water allow free mixing of open sea water.
 2. The temperature at the depth of 1800m in the Dead Sea is higher than the temperature recorded at the same depth in the Indian Ocean.
- A) 1 only
B) 2 only
C) Both 1 & 2
D) Neither 1 nor 2

156. On an average the salinity _____ from equator towards the poles.

- A) Increases
B) Decreases
C) No change
D) Increases after decreasing

157. Consider the following statements:

Assertion (A): The highest salinity is observed between 20° and 40° north latitudes.

Reason (R): This zone is characterized by low temperature, low evaporation but high rain than the equatorial region.

Codes:

- A) Both (A) and (R) are true and (R) is the correct explanation of (A)
B) Both (A) and (R) are 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

158. Consider the following statements:

Assertion (A): The marginal areas of the oceans bordering the continents have lower salinity than their interior.

Reason (R): addition of fresh water to the marginal areas through the rivers

Codes:

- A) Both (A) and (R) are true and (R) is the correct explanation of (A)
B) Both (A) and (R) are 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

159. Very high salinity is recorded in Lake Von located in_____?

- A) Uganda
B) Turkey
C) Egypt
D) Africa

160. Match the following

Place - Salinity

- a) Lake Von - 1. 330‰
b) Dead Sea - 2. 238‰
c) Great Salt Lake - 3. 220‰
A) 3,2,1
B) 2,3,1
C) 1,3,2
D) 1,2,3

161. Raking is the process in

- A) Collection of fishes
B) Collection of salt
C) Collection of pearls
D) Collection of sand

162. Isohaline is an imaginary line drawn to join places having equal _____?

- A) Precipitation
B) Rainfall
C) Salinity
D) None of the above

163. Find out the incorrect statement about Dead Sea

1. Salinity of Dead Sea is 6.8 times saltier than other oceans.
2. The shore of Dead Sea is 324m below sea level.
3. It has the highest elevation on land.

- A) 1, 2
B) 3 only
C) All the above
D) None of the above

164. Consider the following statements find the correct answer

1. The sea is 377m deep.

2. The high salt content will make people float on the sea

- A) Red Sea
- B) Caspian Sea
- C) Dead Sea
- D) South China Sea

165. Find out the incorrect statement

- A) Water in the ocean is never in a state of rest.
- B) Ocean water is always in motion.
- C) It moves horizontally as well as vertically.
- D) The movement of ocean water takes place in two different ways as waves, tides.

166. Find out the correct statement

- 1. The waves are oscillating movements in the ocean water which transfer temperature from place to place.
- 2. Waves are caused by friction of wind on the surface of water
- 3. Waves are caused by any other disturbances on the sea bottom

- A) 1, 2
- B) 2, 3
- C) 3, 1
- D) 1, 2, 3

167. Match the following

- a) Trough - 1. The upper or highest part of a wave
- b) Wave height - 2. The lowest part of a wave
- c) Crest - 3. The vertical distance between the crest and the trough

- A) 2, 3, 1
- B) 1, 2, 3
- C) 2, 1, 3
- D) 1, 3, 2

168. Find out the incorrect statement

- 1. The vertical distance between two crests.
- 2. The vertical distance between two troughs

- A) 1 only
- B) 2 only
- C) Both 1 & 2
- D) Neither 1 nor 2

169. Find out the correct statement

1. Wave amplitude is two-half of the wave height.

2. Fetch is the distance of open water across which the wind cannot blow without interruption

- A) 1 only
- B) 2 only
- C) Both 1 & 2
- D) Neither 1 nor 2

170. Find out the correct statement

- 1. The number of wavelengths that pass a fixed point per unit of time is frequency.
- 2. 1000 waves per sec per cm is called frequency
- 3. Velocity refers to speed and direction.

- A) 1, 2, 3
- B) 1, 2
- C) 1, 3
- D) 2, 3

171. Find out the correct statement

- 1. The time taken by one wavelength to pass a fixed point is known as period.
- 2. Steepness of the wave is equal to the length divided by height

- A) 1 only
- B) 2 only
- C) Both 1 & 2
- D) Neither 1 nor 2

172. Find out the correct statement

- 1. The rhythmic rise and fall of the sea water is called tide
- 2. Tide is formed due to gravitational push of the moon and the sun
- 3. Isaac Newton (1642–1727) was the first person to explain tides scientifically

- A) 1, 2
- B) 1, 3
- C) 2, 3
- D) 1, 2, 3

173. Find out the incorrect statement

- 1. The rise of seawater towards the land is known as High tide or flow tide.

2. The fall of seawater more towards land is known as 'Low tide water'.

3. Low tide water also called as ebb tide

A) 1 only

B) 2 only

C) 3 only

D) None of the above

174. On any day there will be how many high tides and two low tides?

A) 3

B) 4

C) 8

D) 2

175. Find out the correct statement

1. The highest high tide occurs on full moon day.

2. The highest high tide occurs on new moon day

3. The highest high tide is known as spring tide

4. Spring tide happens when the sun, earth and moon aligned in vertical line.

A) 1, 3, 4

B) 1, 2, 4

C) 1, 2, 3

D) 1, 2, 3, 4

176. Find out the correct statement

1. The lowest low tide is known as neap tide.

2. Neap tide happens when the sun, earth and moon are positioned at left angles.

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

177. Find out the correct statement

1. The movement of ocean water as a result of tidal action is known as a tidal current.

2. In places of narrow coastal inlet these tidal currents flow rapidly through the mouth with lesser height and velocity

3. Bay of Fundy, between Nova Scotia and New Brunswick of Canada, the difference between high and low tides is as high as 14m.

A) 1, 2

B) 1 only

C) 3 only

D) 1, 2, 3

178. In India tidal ports are located in

1. Kandla

2. Kolkata

3. Chennai

4. Mumbai

A) 2, 3

B) 1, 3

C) 1, 2

D) 3, 4

179. Find out the correct statement

A) The Gulf of Cambay and the Gulf of Kutch in Gujarat is on the west coast.

B) Average tidal range of The Gulf of Cambay and the Gulf of Kutch 11m and 8m respectively

C) Maximum tidal range of The Gulf of Cambay and the Gulf of Kutch 6.77m and 5.23m respectively

D) B and C

180. Find out the correct statement

1. Tides help to clear the sediments deposited by lakes on their bed and thus prevent siltation of harbors.

2. The energy of the tides is used to generate electricity

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

181. Tidal power stations have been set up in

1. UK

2. Canada

3. France

4. Japan

5. US

A) 1, 2, 3

B) 2, 3, 4, 5

C) 1, 2, 3, 4

D) 3, 4, 5, 2

182. Large mass of moving water from one part of the ocean to another in a definite direction is called as

- A) Ocean currents
- B) Streams
- C) Tides
- D) Waves

183. Ocean currents are produced due to

- 1. Earth's rotation
- 2. Revolution of the earth
- 3. Rainfall
- 4. Temperature
- 5. Salinity
- 6. Density
- 7. Air pressure
- 8. Winds

A) 1, 2, 3, 4, 5, 6

B) 1, 4, 5, 6, 7, 8

C) 2, 3, 4, 5, 6, 7, 8

D) 4, 5, 6, 7, 8

184. Find out the correct statement

- 1. In the order of velocity ocean currents can be classified as drifts, currents and streams.
- 2. Currents are movement of surface water of low velocity influenced by prevailing winds
- 3. Drifts are movement of oceanic water in definite direction and greater velocity

A) 1, 2, 3

B) 2, 3

C) 1 only

D) 1, 2

185. Which are larger mass of water moving in a definite direction and much greater velocity?

- A) Drifts
- B) Currents
- C) Rivers
- D) Streams

186. Find out the incorrect statement

- 1. Ocean currents are distinguished by the pressure they possess.

2. When ocean currents originate from equator it is termed as cold current.

3. When a current starts from polar region it is termed as warm current.

A) 1, 2

B) 2, 3

C) All the above

D) None of the above

187. Find out the correct statement

1. Down welling is an oceanographic phenomenon that involves movement of dense, cooler, and usually nutrient-rich water towards the ocean surface, replacing the warmer, usually nutrient-depleted surface water.

2. Upwelling is the process of accumulation and sinking of cold high saline water beneath warmer or fresher water.

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

188. The warm currents from the equator flows over the surface of ocean towards the pole and sink to the bottom of the ocean floor in the higher latitudes due to high density and flow towards the equator to complete the circulation. It is known as

A) Gyre

B) Guyots

C) Currents

D) All the above

189. In every ocean, there is circulation of ocean water from ____ to ____?

1. Equator to tropics

2. Equator to pole

3. Pole to equator

4. Tropics to equator

A) 1, 2, 3

B) 1, 4

C) 2, 3

D) 1, 2, 3, 4

190. Find out the incorrect statement

1. The gyre circulates is clockwise in the southern hemisphere
2. The gyre circulates anti-clockwise in the northern hemisphere

A) 1 only
B) 2 only
C) Both 1 & 2
D) Neither 1 nor 2

191. North equatorial current originates in_____?

A) South Africa
B) Australia
C) South China Sea
D) Mexico

192. Find out the incorrect statement about north equatorial current

A) It is a cold current.
B) It derives from its water from the Californian current and
C) It derives from its water from the South east Monsoon drift
D) B and C

193. Find out the correct statement about north equatorial current

1. The volume of water increases from east to west
2. Because many small currents join it from left
A) 1 only
B) 2 only
C) Both 1 & 2
D) Neither 1 nor 2

194. Find out the correct statement about north equatorial current

1. North Equatorial current gets divided into two
2. The southern branch joins the Kuroshio Current
3. The northern branch abruptly turns and forms the Pacific counter current.
A) 3 only
B) 1 only
C) 2, 3 only
D) 1, 2, 3

195. Find out the correct statement

1. South equatorial current extends for about 11,600km
2. South equatorial current extends from east to west

A) 1 only
B) 2 only
C) Both 1 & 2
D) Neither 1 nor 2

196. Find out the incorrect statement about south equatorial current

1. South equatorial current is originated due the action of the western disturbance from east to west.
2. It is a cold current.
3. It extends for about 13,600km

A) 1 only
B) 1, 2 only
C) 2 only
D) None of the above

197. _____stronger than the North equatorial current?

A) Kuroshio Current
B) West Wind Drift
C) Peru Current
D) South equatorial current

198. Consider the following statements.

Assertion (A): South equatorial current is further divided into many branches.

Reason (R): Due to the presence of many ocean currents and uneven surface topography. Codes:

A) Both (A) and (R) are true and (R) is the correct explanation of (A)
B) Both (A) and (R) are 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

199. Consider the following statements find the correct answer

1. It is a warm ocean current
2. It flows in north easterly direction up to 30 degree N latitude

A) Kuroshio Current

B) West Wind Drift

C) Peru Current

D) South equatorial current

200. Find out the incorrect statement

1. Kuroshio Current flows towards South

2. Kuroshio Current meets Oyashio cold current off the Philippines Islands

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

201. Which current is also called as Japan Current?

A) Kuroshio Current

B) West Wind Drift

C) Peru Current

D) South equatorial current

202. Kuroshio Current also called as

A) White tide

B) Black tide

C) Silver tide

D) None of the above

203. Which of the following is cold current?

A) Oyashio Current

B) North equatorial current

C) Peru Current

D) South equatorial current

204. Find out the incorrect statement about oyashio current

1. Oyashio current originates from the Palk Strait

2. It flows towards north carrying cold water

3. Oyashio current also called as parental tide

A) 1, 2

B) 2, 3

C) 1, 2, 3

D) None of the above

205. Find out the correct statement

1. Californian current is flowing towards south along the west coast of U. K

2. Californian current is flowing between 48 degree N and 23 degree N latitudes

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

206. Consider the following statements about oyashio current, find incorrect answer

1. It is cold current which exhibits great amount of down welled water.

2. When it enters the region of westerly winds, it is deflected to the right

3. After the deflection it joins the equatorial current

A) 1, 2

B) 2, 3

C) 3, 1

D) None of the above

207. Which is known as Humboldt Current?

A) Oyashio Current

B) North equatorial current

C) Peru Current

D) South equatorial current

208. Find out the correct statement

1. Peru Current is perhaps the best studied ocean current of the Atlantic Ocean.

2. Alexander Von Humboldt in 1502 noted the details of the Peru Current.

3. Peru Current is a warm current

A) 1, 2

B) 2, 3

C) 3, 1

D) None

209. Find out the correct statement

1. Peru Current is flowing towards north along the west coast of South Africa

2. Peru Current carries warm water from northerly deflection of the Sub-Antarctica water moving in 40 degree south

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

210. Which of the following is warm current?

A) Oyashio Current

B) Peru Current

C) El Nino

D) California Current

211. Find out the incorrect statement about El Nino

A) It is a warm counter ocean current of the Pacific equatorial waters

B) It is flowing south ward at 200 m depth to a distance about 480 km

C) It is also called as counter current

D) A and C

212. Find out the correct statement about west wind drift

1. It is an westerly moving drift in the Pacific Ocean

2. It is extending from Tasmania to the South American coast

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

213. Find out the incorrect statement about west wind drift

A) It is a cold current.

B) The speed of the drift is lesser under the influence of Roaring Forties

C) It splits into three branches

D) B and C

214. Consider the following statements find the correct answer

1. It splits into two branches and one moves south around the Cape Horn into the Atlantic Ocean

2. The Other one moves northward along the Peruvian coast due to deflection and joins the Peru Current

A) Oyashio Current

B) North equatorial current

C) West wind drift

D) South equatorial current

215. Which current is situated between 5 degree – 20 degree N Latitudes

A) Oyashio Current

B) North equatorial current

C) West wind drift

D) South equatorial current

216. Find out the incorrect statement

1. After leaving the west coast of Australia north equatorial current attains its main characteristics.

2. When it reaches the east coast of South America, it splits into two branches

3. One branch called Antilles current is moving along the coast of Africa

4. Other branch is diverted into the Caspian Sea.

A) 1, 2, 3

B) 1, 3, 4

C) All the above

D) None of the above

217. Consider the following statements, find the correct answer

1. It is a warm current.

2. It is a northern continuation of Benguela current.

3. It is stronger than the North equatorial ocean current

A) North equatorial current

B) West wind drift

C) South equatorial current

D) Peru current

218. Find out the incorrect statement about south equatorial current

1. It is flowing south of equator within 10 degree – 12 degree S latitude

2. It is flowing between the coast of Australia and South America

A) 1 only

B) 2 only

C) Both 1 & 2

D) Neither 1 nor 2

219. Which is caused by the action of Trade winds?

- A) South equatorial current
- B) West wind drift
- C) North equatorial current
- D) Peru current

220. Which starts from the Gulf of Mexico and carries warm waters into the colder latitudes

- A) South equatorial current
- B) West wind drift
- C) North equatorial current
- D) Gulf stream

221. Gulf Stream is a

- A) Warm current
- B) Cold current
- C) Medium warm current
- D) None of the above

222. Find out the incorrect statement

- A) Gulf Stream joins the Labrador cold current near New Found land, Russia after passing through the strait of Florida.
- B) The Gulf Stream was discovered by Ponce de Leon in 1513.
- C) Gulf Stream is one of the currents of Atlantic Ocean
- D) B and C

223. Find out the correct statement about Canaries Current

- 1. The ocean current flowing along the Western coast of North America between Maderia and Cape verde is known as the Canaries Current.
- 2. It is a cold current.
- 3. It is flowing towards south and merging with the South equatorial current.

- A) 1, 2
- B) 3 only
- C) 2 only
- D) 1, 2, 3

224. Find out the correct statement about benguela current

1. It is a cold current flowing northward along the western coast of Africa is known as the Benguela current.

2. It carries cold waters from sub-Antarctica surface water

3. The cold water carried by this current mixes with south equatorial current.

- A) 1, 2
- B) 2, 3
- C) All the above
- D) None of the above

225. The Sargasso Sea located in

- A) Pacific Ocean
- B) Southern Ocean
- C) Atlantic Ocean
- D) Arctic Ocean

226. The only "sea" with absolutely no land around it is _____?

- A) Caspian Sea
- B) Dead Sea
- C) Red Sea
- D) Sargasso Sea

227. The Sargasso Sea's is surrounded by

- 1. East - The Gulf Stream
- 2. South - The North Atlantic Current, to the
- 3. West - The Canary Current, and to the
- 4. North - The North Atlantic Equatorial Current.

- A) 3, 4, 1, 2
- B) 1, 2, 3, 4
- C) 4, 3, 2, 1
- D) 3, 4, 2, 1

228. Find out the correct statement about Sargasso Sea

- A) The Sargasso Sea is surrounded only by ocean currents.
- B) It lies within the Southern Atlantic Subtropical Gyre.
- C) Its borders are dynamic
- D) A and C

229. The south Indian gyre is formed by

- 1. South equatorial current
- 2. North equatorial current

3. Peru current
4. Madagascar current
5. West wind drift
6. West Australian current

- A) 1, 2, 3, 4, 5
B) 1, 4, 5, 6
C) 1, 2, 3, 4, 6
D) 1, 2, 3, 4, 5, 6

230. Find out the incorrect statement

1. To the north of equator the currents in the Arabian Sea and Bay of Bengal flow in the anti-clockwise direction
2. In the clockwise direction as northeast monsoon drift due to the influence of monsoon winds.

- A) 1 only
B) 2 only
C) Both 1 & 2
D) Neither 1 nor 2

231. The Antarctic circumpolar current flows between ____ latitude?

- A) 40 to 60° N
B) 40 to 60° S
C) 20 to 60° S
D) 40 to 50° S

232. Find out the incorrect statement about Southern Ocean

1. The southern ocean surrounds the continent of Antarctica.
2. The large oceans, the Pacific, the Atlantic and the Indian Ocean merge into this circum global zone of water to their north

- A) 1 only
B) 2 only
C) Both 1 & 2
D) Neither 1 nor 2

233. Find out the correct statement about Southern Ocean

1. The movement of water in the southern ocean is in one sense a relatively simple
2. West-east circum polar drift caused under the influence of northwesterly winds.

3. This general flow sends offshoots to the two major oceans to its south

- A) 1, 2
B) 2, 3
C) 1, 2, 3
D) 1, 3

234. Which of the following is receiving part of its cold water from Southern Ocean?

1. The Peru or Humboldt Current in the Pacific Ocean
2. The Falkland Current and the Benguela Current in the Atlantic Ocean and
3. The West Australian Current in the India Ocean

- A) 1, 2
B) 2, 3
C) 1, 3
D) 1, 2, 3

235. Which of the following is the significance of Ocean Currents?

1. Ocean currents play important role in earth's climate
2. Fog is formed when cold current and warm current meets
3. Cold ocean current increases the temperature of the area
4. Warm ocean current decreases the temperature of the area

- A) 1, 2
B) 2, 3
C) 3, 4
D) 1, 2, 3, 4

236. Find out the incorrect statement

1. Warm current brings the heavy rainfall when wind blows over it becomes warm
2. Cold current brings the drought when the wind blows over it becomes cold and dry

- A) 1 only
B) 2 only
C) Both 1 & 2
D) Neither 1 nor 2

237. Consider the following statements.

Assertion (A): Cold current brings the drought when the wind blows over it becomes cold and dry
Reason (R): The wind blowing over the Peru Current is cold and dry causing the formation of Atacama Desert

Codes:

- A) Both (A) and (R) are true and (R) is the correct explanation of (A)
- B) Both (A) and (R) are 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

238. Which of the followings is significance of Ocean Currents?

- 1. It regulates global temperature
 - 2. It gives free navigation
 - 3. The gulf streams keep ports & harbors of Russia and Scandinavia navigable throughout the year
 - 4. The Kuroshio currents make ports in Japan navigable during the winter
 - 5. It distributes minerals
- A) 1, 4, 5
 - B) 1, 2, 3, 4
 - C) 1, 3, 4, 5
 - D) 1, 2, 3, 4, 5

239. Find out the correct statements

- 1. Major fishing banks are present where cold and warm current meets
 - 2. Some upwelling and down welling are due to pressure variation which brings minerals to photic zone by Phytoplankton
- A) 1 only
 - B) 2 only
 - C) Both 1 & 2
 - D) Neither 1 nor 2

240. Match the following

- a) The Grand bank - 1. Atlantic Ocean Western Europe
- b) The Agulhas bank - 2. Atlantic Ocean, South West Africa
- c) The Dogger Bank - 3. Atlantic Ocean, North east of N.A

d) The Pedro bank - 4. India Ocean

- A) 1, 2, 3, 4
- B) 2, 3, 4, 1
- C) 3, 4, 1, 2
- D) 4, 3, 2, 1

241. The reed bank located in

- A) South China Sea and Arctic Ocean
- B) Arctic Ocean and Caspian Sea
- C) South China Sea and Pacific Ocean
- D) Dead Sea and Southern Ocean

242. Which of the following is incorrectly matched?

- 1. The Grand bank - Gulf Stream and Labrador Current
- 2. The Agulhas bank - Benguela cold current and Agulhas warm current
- 3. The Dogger Bank - North Atlantic drift and canary cold current
- 4. The Pedro bank - South Equatorial warm current and W. Australian cold current

- A) 2, 3
- B) 1, 4
- C) All the above
- D) None of the above

243. El Nino phenomenon occurs every _____ years

- A) 2 – 5
- B) 3 – 7
- C) 2 – 7
- D) 1 – 6

244. Find out the correct statement

- 1. El Nino is characterized by a positive sea surface temperature departure from normal (1971-2000 base period)
- 2. El Nino is occurred in the region lying within the latitude 10°N to 10°S and longitudes 120° W to 170°W

- A) 1 only
- B) 2 only
- C) Both 1 & 2
- D) Neither 1 nor 2

245. El Nino happens when

1. The increase in temperature is sustained for a period of eighteen months to Three years.

2. The temperature increase is up to 10 m beneath the ocean surface.

3. When there is a modified horizontal air circulation above the Pacific Ocean

A) 1, 2

B) 2, 3

C) All the above

D) None of the above

246. Sea surface temperature increases between the central and eastern equatorial Pacific Ocean between the Country_____

A) England and the International Date Line

B) Europe and the International Date Line

C) Ecuador and the International Date Line

D) None of the above

247. Which of the followings are effects of El Nino?

1. El Nino effect is experienced at Global level.

2. The change in air circulation affects the economy of different countries also.

3. El Nino does not influence the jet streams.

A) 1, 3

B) 2, 3

C) 1, 2

D) 1, 2, 3

248. Due to El Nino

1. California experiences lesser rainfall,

2. Southern Europe experiences dry winter,

3. Northern Europe experiences mild wet winters

4. Heavy rain in East Africa.

A) 1, 2, 3

B) 3 only

C) 4 only

D) None of the above

249. Due to El Nino less number of cyclones in Sea of _____?

A) Ecuador

B) Japan

C) South Africa

D) Australia

250. South East Asia experiences_____ due to El Nino

1. Severe drought

2. Flood

3. Rainfall

4. Forest fire

A) 1, 2

B) 2, 3

C) 3, 4

D) 4, 1

251. Find out the incorrect statement about El Nino

A) Increase of temperature in the central Pacific Ocean is correlated with normal monsoon conditions in India

B) While the increase of temperature in the east Pacific has high correlation with drought conditions in India.

C) When temperature increases further to the west it suppresses the Indian Monsoon.

D) A and B

252. When trade winds are strong, colder water up wells on the_____?

A) West Pacific Ocean

B) North Pacific Ocean

C) South Pacific Ocean

D) East Pacific Ocean

253. Find out the correct statement

A) La Nina is just the opposite to the condition of El Nino

B) Due to La Nina dry condition in Southeast Asia

C) Due to La Nina wet weather in South America is observed.

D) B and C

254. The difference in the atmospheric pressure between the west and east tropical Southern Pacific Ocean is referred as_____?

A) Southern oscillation

B) Northern oscillation

C) Eastern oscillation

D) Western oscillation

255. Link between Southern Oscillation and occurrences of El Nino and La Nina events is___?

- A) ELSO
- B) NESO
- C) ENSO
- D) LESO

256. IRICPC stands for

- A) International Research Information Climate Prediction Center
- B) International Research Institute Climate Prediction Council
- C) International Research Institute Climate Preparation Center
- D) International Research Institute Climate Prediction Centre

257. Find out the correct statement

1. El Nino meaning 'little boy' or 'New born Christ'

2. La Nina meaning 'Little girl'

- A) 1 only
- B) 2 only
- C) Both 1 & 2
- D) Neither 1 nor 2

258. Find out the correct statement

1) Thermohaline circulation is a large scale churning of ocean water due to difference in temperature and pressure

2) The upwelling of ocean water occurs in the extreme ends of Atlantic Ocean.

3) Down welling of cold water occurs in the North Pacific Ocean and in the Indian Ocean.

- A) 1, 3
- B) 2, 3
- C) All the above
- D) None of the above

259. Find out the correct statement about conveyor belt

1. Conveyor belt provides a stabilizing effect on climate of the earth.

2. If it is disturbed, it is capable of causing sudden climatic change within the period of a few decades.

- A) 1
- B) 2
- C) None of the above
- D) 1, 2

260. ____is area between the continental slope and the sea floor.

- A) Abyssal plains
- B) Continental rise
- C) Permafrost
- D) None of the above

261. Find out the incorrect statement

1) Swell is a type of wind-generated waves that is not affected by the local wind

2) Hotspot is an area, crust from where rocks melt and magma rises through circular to form volcano

- A) 1 only
- B) 2 only
- C) Both 1 & 2
- D) Neither 1 nor 2

262. Consider the following statement, that happen during normal situation

A) Heavy rain is experienced in the western warmer region and dry conditions prevail in the cooler region.

B) The Southeast Asia and America receive heavy rain on normal years.

C) East coast of South America experiences dry weather.

D) B and C

263. If the conveyor belt is disturbed, it is capable of causing sudden climatic change within___ years?

- A) 20
- B) 15
- C) 10
- D) 25

264. Which of the following statements are correct that happen during El Nina?

- 1) Near equator the warm water in the Pacific Ocean extends from western side to eastern side suppressing the upwelling of the cold water.
 - 2) Air (Walker) circulation is dominant in the eastern part of Pacific Ocean.
 - 3) The air ascends in the warm eastern Pacific Ocean.
- A) 1, 2
B) 2, 3
C) 1, 2, 3
D) 1, 3