

Seat No.

**M.A. (SEM/CR) CBCS Part-II Semester-III Examination: October/November-2022**

**Geography (Compulsory) Paper-IX**

**GEOC27: Geohydrology & Oceanography**

**Day and Date: Friday, 16/12/2022**

**Total Marks: 60**

**Time: 3.30 PM To 5.30 PM**

Instructions:

1. All Questions are Compulsory.
2. All Questions carry equal marks.
3. Figures to the right indicate full marks
4. Draw the diagram wherever necessary.
5. Allowed to use map stencil, if necessary

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**Q.1. Choose the Correct alternatives from the following.**

15

- 1 What is the average salt content in a liter of sea water?  
1.35 gm 2.56gm 3. 87gm 4. 45gm
- 2 Which type water found underground in the cracks and spaces in soil, sand and rock.  
1. Ordinary 2. Impermeable 3. Sub-Surface 4. Surface
- 3 An..... is a ground water reservoir composed of geologic units that are saturated with water and sufficiently permeable.  
1. Aquiclude 2. Aquifer 3. Runoff 4. Sub-Surface
- 4 ..... cycle that involves the continuous circulation of water in the Earth-atmosphere system.  
1. Hydrologic cycle 2. Basin hydrology 3. Ground Water 4. Basin
- 5 Water flows vertically through the soil and rocks under the influence of gravity called.....  
1. Connate 2. Meteoric 3. Fossil 4. None of these
- 6 Who among the following coined the term oceanography?  
1. Herodotus 2. Sir John Murray 3. Ritter 4. Fort Ricasoli
- 7 Lines which connect points of equal temperature on an oceanographic chart are termed.  
1. Isobar 2. Isotherms 3. Isometric 4. None of these
- 8 Wave cut landform is related to ..... areas.  
1. Polar 2. Aeolian 3. Coastal 4. All of these
- 9 What are following topographic features of oceanic floor?  
1. Continental shelf 2. Waterfall 3. Zuegen 4. Esker

- 10 Volcanic island arcs are associated with \_\_\_\_\_  
 1.ocean-continent convergent plate boundaries 2.transform plate boundaries 3.divergent plate boundaries 4.ocean-ocean convergent plate boundaries
- 11 Labrador Current is which type of current?  
 1.Cold 2. Warm 3.Deep 4.River
- 12 Jet Streams are an example of.....  
 1.Deep sea 2.Air current 3.Cold curent 4.Warm current
- 13 Which among the following given oceans does El Niño occur?  
 1.Atlantic 2. Arctic 3. Pacific 4.Indian
- 14 What is the movement of each particle in a wave?  
 1.Eliptical 2.Circular 3.Rectangale 4.Vertical
- 15 Which is the largest coral reef in the world?  
 1.Great barrier reef 2.Island reef 3. Borocca reef 4. None of these

**Q.2. Write short Notes (Three out of Four) .**

15

- 1 Occurance of ground water
- 2 Ground Water Management
- 3 Bottam Relief of Atlantic Ocean
- 4 Current in Pacific ocean

**Q.3. Write short Answers (Three out of Four) .**

15

- 1 What is surface water? Distingwish between surface and sub-surface water.
- 2 Give a brief account of origin and evolution of island arcs.
- 3 What is current. What are the types of ocean currents.
- 4 What are the chemical composition of oceanic water.

**Q.4.. Answer the following question on broad. (One out of two).**

15

- 1 Define hydrological cycle. Explain the detail process of hydroligical cycle.
  - 2 Explain in detail ocean circulation.
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## **Model Answer Paper**

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**Q.1. Choose the Correct alternatives from the following.**

- 1 What is the average salt content in a liter of sea water?  
1.35 gm 2.56gm 3. 87gm 4. 45gm

Option 1

- 2 Which type water found underground in the cracks and spaces in soil, sand and rock.  
1.Ordinary 2.Impermiabile 3.Sub-Surface 4Surface

Option 3

- 3 An.....is a ground wataer reservior composed of geologic units that are satuated with water and sufficiently permiabile.  
1.Aquclude 2.Aquifer 3.Runoff 4.Sub-Surface

Option 1

- 4 .....cycle that involves the continuous circulation of water in the Earth-atmosphere system.  
1.Hydrologic cycle 2.Basin hydrology 3.Ground Water 4.Basin

Option 1

- 5 Water flows vertically through the soil and rocks under the influence of gravity called.....  
1.Connate 2.Meteoric 3. Fossil 4.None of these

Option 1

- 6 Who among the following coined the term oceanography?  
1.Herodotus 2.Sir Jhon Murrey 3.Ritter 4. Fort Ricasoli

Option 2

- 7 Lines which connect points of equal temperature on an oceanographic chart are termed.  
1.Isobar 2.Isotherms 3.Isometric 4.None of these

Option 1

- 8 Wave cut landform is related to .....areas.  
1.Polar 2.Aeolian 3.Coastal 4.All of these

Option 3

- 9 What are follwoing topographic features of oceanic floor?  
1.Continental shelf 2.Waterfall 3.Zuegen 4.Esker

Option 1

- 10 Volcanic island arcs are associated with \_\_\_\_\_  
1.ocean-continent convergent plate boundaries 2.transform plate boundaries 3.divergent plate boundaries 4.ocean-ocean convergent plate boundaries

Option 4

- 11 Labrador Current is which type of current?  
1.Cold 2. Warm 3.Deep 4.River

Option 1

- 12 Jet Streams are an example of.....  
1.Deep sea 2.Air current 3.Cold curent 4.Warm current

Option 2

13 Which among the following given oceans does El Niño occur?

1. Atlantic    2. Arctic    3. Pacific    4. Indian

Option 3

14 What is the movement of each particle in a wave?

1. Elliptical    2. Circular    3. Rectangular    4. Vertical

Option 2

15 Which is the largest coral reef in the world?

1. Great barrier reef    2. Island reef    3. Borocca reef    4. None of these

Option 1

**Q.2. Write short Notes (Three out of Four) .**

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1 Occurrence of ground water

Ans:

2 Ground Water Management

Ans:

3 Bottom Relief of Atlantic Ocean

Ans:

4 Current in Pacific ocean

Ans:

**Q.3. Write short Answers (Three out of Four) .**

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1 What is surface water? Distinguish between surface and sub-surface water.

Ans:

2 Give a brief account of origin and evolution of island arcs.

Ans:

3 What is current. What are the types of ocean currents.

Ans:

4 What are the chemical composition of oceanic water.

Ans:

**Q.4.. Answer the following question on broad. (One out of two).**

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1 Define hydrological cycle. Explain the detail process of hydrological cycle.

Ans:

2 Explain in detail ocean circulation.

Ans:

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