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B.Sc./3rd Sem (H)/GEO/22(CBCS)

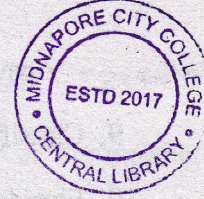
2022

3rd Semester Examination

GEOGRAPHY (Honours)

Paper : SEC 1-T

[CBCS]



Full Marks : 40

Time : Two Hours

*The figures in the margin indicate full marks.  
Candidates are required to give their answers  
in their own words as far as practicable.*

[Coastal Management]

Group - A

Answer any *five* of the following questions :  $2 \times 5 = 10$

1. Distinguish between coast line and shore line.
2. What is land reclamation?
3. What are the non-structural measures of coastal management?
4. Classify coastal hazards.
5. How tidal asymmetry affects estuarine sedimentation?
6. What are the main causes of coastal flood?

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( 2 )

Discuss the adverse impacts of coastal pollution.

8. What is Exclusive Economic Zone?

**Group - B**

Answer any *four* of the following questions : 5×4=20

9. Classify coast based on sediment transport.
10. Elucidate the environmental impacts of mining in coastal region.
11. "Tourism activities affect the coastal environments"— Explain with examples from India.
12. Explain the mechanism of adaptation of dune vegetation.
13. Elucidate the principles of management of coastal zones.
14. Classify coastal regulation zones in India as per 2018 amendment.

**Group - C**

Answer any *one* of the following questions : 10×1=10

15. Explain the nature of interactions of coastal morphodynamic variables along with the resultant landforms.
16. Briefly describe the causes and management procedures of coastal erosion with special emphasis on West Bengal coast.

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OR

[Computer Basics and Computer Applications]

**Group - A**

Answer any *five* of the following questions : 2×5=10

1. Find the decimal and octal equivalent of the number (1010111)<sub>2</sub>
2. What are the Universal Logic Gates?
3. Discuss the truth table and logic diagram of Ex-OR gate.
4. How NAND gate is used as OR gate?
5. Perform the addition of (1101101)<sub>2</sub> and (10011110)<sub>2</sub>
6. What is meant by mode of a given set of data?
7. How can you derive standard deviation of a given set of data using Ms. Excel?
8. Give example of some web browsers.

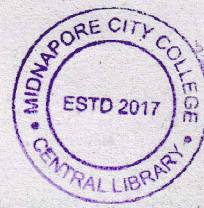
**Group - B**

Answer any *four* of the following questions : 5×4=20

9. Discuss the way of getting the rank of a Matrix using Ms. Excell.
10. How to derive correlation co-efficient in a bivariate data set using spreadsheet?

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11. Find the median for a given dataset using Ms. Excel formula (Take dataset of your own).
12. What is the importance of Histogram for illustrating data?
13. What is scattered diagram?
14. What are the advantages and disadvantages of drive sharing?

**Group - C**

Answer any *one* of the following questions :  $10 \times 1 = 10$

15. Find the 1's and 2's complement of  $(11011101)_2$ .  
Minimize the boolean expression. :  $4+6$   
 $F(A,B,C) = A'BC + A'BC' + AB'C' + ABC$
  16. Discuss different services (SAAS, IAAS, PAAS) provided by the Cloud with example.  $10$
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