

2020**ENVIRONMENTAL SCIENCE****[HONOURS]****Paper : IX**

Full Marks : 75

Time : 4 Hours

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

1. Answer any **five** of the following: $2 \times 5 = 10$
- Define conservation.
 - What is communicable disease?
 - Name the components of watershed programmes of CCD.
 - Give two example of National Parks in West Bengal.
 - What is occupational health?
 - What is GIS?
 - What is silviculture?
 - Give two names of RS Satellites.
2. Answer any **three** of the following: $5 \times 3 = 15$
- Write a short note on Biodiversity Conservation. 5
 - Write down the differences between Raster data and Vector data. 5
 - Write a short note on AIDS Prevention in India. 5
 - Write down the principle of RS. What is GPS? 4+1
 - Write a short note on mental health. 5
3. Answer any **five** of the following: $10 \times 5 = 50$
- Discuss about watershed development in India. What is Catchment and Recharge area? 6+4
 - What is reforestation? Write down the different processes of reforestation forest ecosystem. 3+7
 - Define Wildlife. What are the processes for Soil Conservation? 2+8
 - What is wetland? Discuss about water conservation processes in India. 2+8

[Turn Over]

- v) Write down about the life cycle of *Plasmodium vivax*. What is HIV? 8+2
- vi) What are the different types of waterborne diseases arise due to heavy metal toxicity? What is overpopulation? 8+2
- vii) Write down about application of RS. Write a short note on GIS Processes. 6+4
- viii) What are the components of GPS? Critically discuss the usefulness of GIS in resource conservation. 3+7
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