

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI  
(MID SEMESTER EXAMINATION)**

**CLASS: BTECH/BHMCT/IMSC**  
**BRANCH: ECE/EEE/CSE/IT/HMCT/CHEMISTRY**

**SEMESTER: IV**  
**SESSION : SP/2020**

**SUBJECT: CE101 ENVIRONMENTAL SCIENCE**

**TIME: 2 HOURS**

**FULL MARKS: 25**

**INSTRUCTIONS:**

1. The total marks of the questions are 25.
  2. Candidates may attempt for all 25 marks.
  3. Before attempting the question paper, be sure that you have got the correct question paper.
  4. The missing data, if any, may be assumed suitably.
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Q1	(a)	Write short notes on either Sulphur cycle or carbon cycle.	[2]	1	1
Q1	(b)	Relate the significance of ecosystem services with sustainability.	[3]	1	2
Q2	(a)	Define bioaccumulation, and biomagnification.	[2]	1	1
Q2	(b)	Discuss the key features of IPCC report 2019.	[3]	1	2
Q3	(a)	What is a "Sick Building Syndrome"?	[2]	2	2
Q3	(b)	Explain the functioning of a cyclone collector using a neat diagram.	[3]	2	2
Q4	(a)	What are the mechanisms to reduce vehicular pollution?	[2]	2	2
Q4	(b)	What are the effects of air pollutants on buildings, and human beings?	[3]	2	2
Q5	(a)	What are the sources of heavy metals in water?	[2]	3	1
Q5	(b)	Using suitable examples, give the impacts of pesticide pollution in water.	[3]	3	2

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