BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)

CLASS: IMSc   SEMESTER : II
BRANCH: PHYSICS/MATHS/FT   SESSION : SP/19

SUBJECT: CE101 ENVIRONMNETAL SCIENCE

TIME: 3.00 HOURS   FULL MARKS: 50

INSTRUCTIONS:
1. The question paper contains 5 questions each of 10 marks and total 50 marks.
2. Attempt all questions.
3. The missing data, if any, may be assumed suitably.
4. Before attempting the question paper, be sure that you have got the correct question paper.
5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.

Q.1(a)   Explain functional element of ecosystem with the help of an example.   [5]
Q.1(b)   Explain the nature of different pyramids in any ecosystem.   [5]

Q.2(a)   Explain schematically structure and composition of atmosphere.   [5]
Q.2(b)   Compare Los Angeles and London smog.   [5]

Q.3(a)   Demonstrate conventional water treatment processes using schematics.   [5]
Q.3(b)   Explain schematically Conventional wastewater treatment process for sewage treatment. [5]

Q.4(a)   Explain functional elements of integrated solid waste management.   [5]
Q.4(b)   Explain the disposal technique "sanitary landfills".   [5]

Q.5(a)   Summarize noise pollution control strategy adopted in noisy industries.   [5]
Q.5(b)   Demonstrate the source observer relation described for noise propagation.   [5]

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