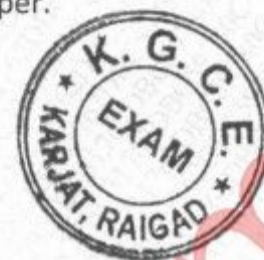


[Time: 2 Hours]

[Marks:60]

Please check whether you have got the right question paper.

- N.B:
1. Question.No.1 is compulsory.
 2. Attempt any three questions from Q.2 to Q.6
 3. Draw neat labelled diagrams where necessary.
 4. Figures to the right indicate full marks.



- Q.1** Attempt any five from the following :- [15]
- a) What are the global problems pertaining to sanitation?
 - b) When environmental consent is required to be taken? Why?
 - c) What are the causes of ozone layer depletion? What adverse effects are produced by it?
 - d) Why our development should be 'Sustainable'?
 - e) Why in recent times attention is focused on renewable sources of energy?
 - f) What are the causes of 'Acid - rain'? What are its effects?
 - g) How technology can be used to better our environment?
- Q.2**
- a) How developing appropriate technology can lead us to sustainable development? [05]
 - b) Explain how industrial waste water treatment is carried out? [05]
 - c) Draw a neat diagram and explain the process that generates electricity from geothermal energy? [05]
- Q.3**
- a) Explain briefly how solid waste is managed by land filling. [05]
 - b) Write important Powers and Functions of State Pollution Control Board (SPCB). [05]
 - c) Explain various objectives of 'Green Building'. [05]
- Q.4**
- a) What causes depletion of natural soil resources? What are its effects? [05]
 - b) Write important features of 'Environmental Protection Act'. [05]
 - c) Explain hydropower generation with the help of suitable diagram. [05]
- Q.5**
- a) 'Resource Utilization as per Carrying Capacity', is an important measure for sustainable development- Explain. [05]
 - b) Draw a neat diagram of venturi scrubber and explain its working. [05]
 - c) Draw a neat diagram of flat plate collector and explain how is it useful in trapping the solar energy? [05]
- Q.6**
- a) What are the reasons for depletion of natural water resources? What is its impact? [05]
 - b) Write sources of E – pollution? What adverse effects are caused by it? [05]
 - c) How the techniques of disaster management are useful in the event of Tsunami? [05]
