JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
T-1 EXAMINATION (February- 2019)
B. Tech. (VIII- SEM.)

COURSE CODE: 14M31CE215   MAX. MARKS: 15
COURSE NAME: Surface Water Quality Management
COURSE CREDIT: 3   MAX. TIME: 1 HR

Note: Attempt all Questions. Assume suitable data if required.

1. Answer the following   (6 x 1=6)

   a) Distinguish between "Criteria" and "Standard"
   b) Mention at least 6 most important items to be carried during sampling mission
   c) Mention the significance of monitoring the following in water quality studies: Coliforms, BOD and Phytoplankton's
   d) Distinguish between a "Grab", "Time-composite" and "Flow-composite" sample
   e) Mention various steps prescribed by CPCB Guidelines for Surface Water Quality?
   f) What are the various options available for restoration of water quality in a surface water body?
                                                              [CO-1]

2. What do you mean by "Designated-Best-Use" of a water body? How the classification of surface water bodies are done in India based on designated best use and what is the criteria used for such classification   **[3]   [C0-2]**

3. What were the objectives of undertaking Ganga Action Plan and mention some of its salient features.
                                                              [3]   [C0-2]

4. What are the objectives of water quality monitoring? Under surface water quality management plan, what procedure you would follow to assess the nature and magnitude of the pollution in a river water body.   **[3]   [CO-1]**