

**DIPLOMA IN CIVIL ENGINEERING (DCLE(G))/
DIPLOMA IN MECHANICAL ENGINEERING
(DME)**

00382 **Term-End Examination**

December, 2016

BET-036 : TECHNICAL DOCUMENTATION

Time : 2 hours

Maximum Marks : 70

Note : *Question no. 1 is compulsory. Solve any other two questions.*

1. Answer any **three** of the following : $3 \times 10 = 30$
- (a) Discuss the purpose of documenting every completed, on-going, or proposed engineering activity.
 - (b) Giving examples define the *audience* for a technical document.
 - (c) Explain the necessity and stages of revising a draft of a technical document.
 - (d) Giving examples bring out the importance of structuring a sentence in a technical report.

2. You, as an expert, are deputed to inspect a portable aggregate processing plant set up at a project site. Frame your report about the shortcomings and improvements needed to be carried out. Explain with sketches. 20
3. To deliver a refresher-course lecture (to the supporting staff) about the construction of a multi-storied building, frame a programme of graphical and pictorial aids, you would use. Give concrete examples. 20
4. In a hilly area, a bridge stands damaged due to heavy rains and floods. You are to inspect the site and the structure, prepare the damage report, and suggest immediate and long-term measures to allow smooth flow of traffic. 20
5. A special government grant is placed at the disposal of an executive engineer to study, experiment, and arrive at the methods of minimising soil erosion in the hilly areas under your charge. Frame your report under the following sub-heads : 20
- (a) Present state of affairs
 - (b) Your field experiments and results obtained
 - (c) Future suggestions, with rough cost estimates