

**Diploma in Civil Engineering / Diploma
in Electrical & Mechanical Engineering**

Term-End Examination

June, 2012

BET-036 : TECHNICAL DOCUMENTATION

Time : 2 hours

Maximum Marks : 70

*Note : Question No . 1 is Compulsary. Answer any three
from the remaining question.*

1. Answer *any two* of the following : 2x5=10
- (a) Write the concise phrase of following wordy phrases :
- (i) At the present time
 - (ii) Despite the fact that
 - (iii) In connection with
 - (iv) On the grounds with
 - (v) It is our recommendation that
- (b) Write the simple and plain equivalents of following fancy / artistic words :
- (i) Demonstrate
 - (ii) Eventuate
 - (iii) Impact
 - (iv) Parameters
 - (v) Prioritise

- (c) Break into simpler and direct sentences of the following :

“Although Astronomers have been successful at measuring black hole mass, they have found it much more difficult to measure the second fundamental parameters of a black hole, its spin”.

- (d) Name the four aspects of Researching.

2. (a) Rewrite and improve these wordy sentences. Make any change you think necessary but don't change the meaning. 10

(i) The rental is payable in respect of each and every quarter.

(ii) Several directors' meeting took place before they could reach a general consensus of opinion.

- (b) The following sentences might be too long for some readers. Break each one into two or more sentences. If appropriate add transitional words and phrases or other coherence devices. 10

“Once we get the results of the stress tests on the 125-2 fibreglass mix, we will have a better idea where we stand in terms of our time constraints, because if it is not suitable we will really have to hurry to find and test a replacement by the phase 1 dead line”.

3. On what occasion are the following written ? 20
Explain any two with your own specific examples.
- Reports.
 - Inspection Reports.
 - Progress Feasibility Report.
4. Department of Minor Irrigation, Bhubaneswar 20
(Orissa) placed a grant of Rs.5 Lakhs at the disposal of National Institute of Technology (NIT), Raurkela under the scheme. entitled ; Minor Irrigation Research Scheme. The scheme was meant to carry out field studies and also laboratory studies exploring the ways and means of improving at the least cost, the conveyance (i.e water carrying capacity) of existing minor irrigation canals. However, it was stipulated, that the concerned department of the Institution would keep sending progress reports, after every six months, to keep the grant providing authorities informed. Please prepare first interim report in this context on behalf of the institution.
5. Draft a project proposal for the construction of 20
any one of the following :
- Boundary wall of a School Building.
 - A small shed at a Bus stand to protect passengers from rainwater.
 - A public Distribution System Building in a Town.
 - Any project of your own choice.

6. You are asked to write an inspection report about an earthquake hit Major Bridge on a Highway of length 120 m ($6 \times 20\text{m}$) that has been damaged. Draft the report, to be submitted for demanding immediate and long - term financial and other help from the government. 20
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