

Reg. No. :

[illegible]

**Question Paper Code : 97081**

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2014.

First Semester

Civil Engineering

GE 6152 — ENGINEERING GRAPHICS

(Common to all branches)

(Regulation 2013)

Time : Three hours

Maximum : 100 marks

Note : Blank answer Booklet consisting of A3 drawing sheets is to be supplied to the students.

$$(5 \times 20 = 100)$$

1. (a) For the object shown in Fig. 1(a), draw free hand sketching of
- |                            |      |
|----------------------------|------|
| (i) Front view             | (10) |
| (ii) Top view and          | (5)  |
| (iii) Left hand side view. | (5)  |

- (b) A cylinder of 60 mm diameter and axis 70 mm long lies on the ground on its generator such that the axis inclined at  $30^\circ$  to the picture plane. Draw its perspective view when one of the end points touches the picture plane. The station point lies in the central plane which is bisecting the axis and is 160 mm in front of the picture plane. The horizon level is at 70 mm height. (20)

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