

B.TECH SEM – IV (2007 COURSE) (CIVIL ENGG.) :
WINTER - 2017

Subject: Building Planning & Design

Day: **Tuesday**
Date: **21/11/2017**

W-2017-2401

Time: **02.30 PM TO 06.30 PM**
Max Marks: **80**

N.B.:

- 1) Q.No. 1 is **COMPULSORY**. Attempt any **TWO** questions from Q.No. 2,3 and 4 from section-I and all question form section II are **COMPULSORY**.
- 6) Figures to the **RIGHT** indicate full marks.
- 7) Answer to both the sections should be written in **SEPARATE** answer books.
- 8) User of non-programmable **CALCULATOR** is allowed.
- 9) Assume suitable data if necessary.

SECTION - I

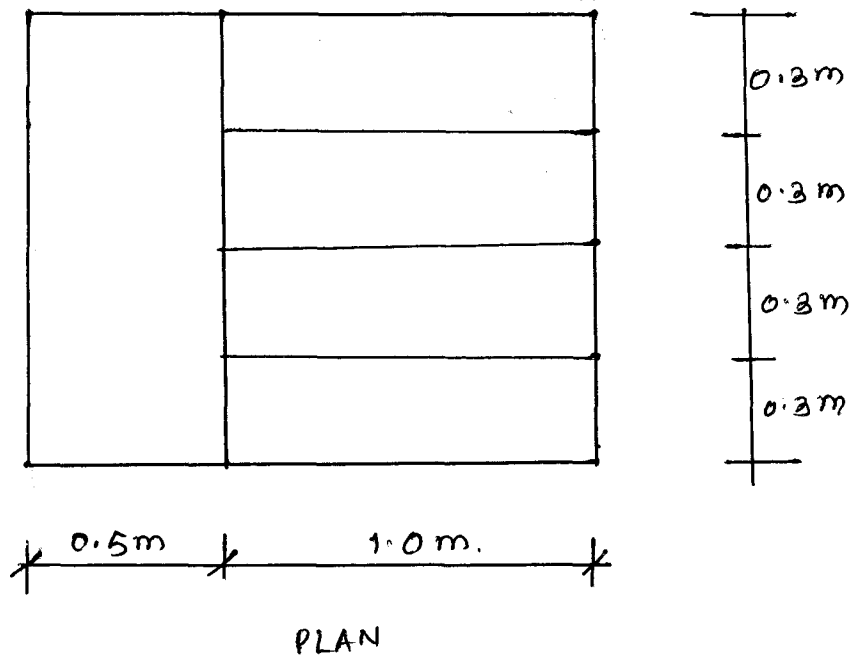
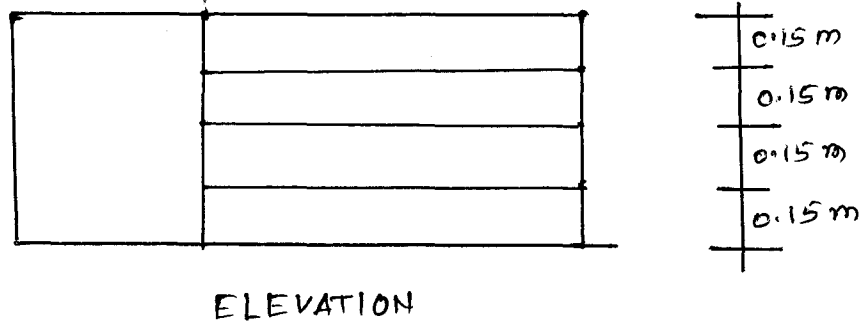
- Q.1** a) Discuss the concept of Eco buildings. **(05)**
b) Describe the Building line & control line with neat sketch. **(05)**
c) Write down the general rules for natural ventilation. **(04)**
- Q.2** a) Enlist & Explain thermal insulating materials. **(07)**
b) What so you understand by sound insulation. **(06)**
- Q.3** a) Explain a septic tank with neat sketch. **(07)**
b) Discuss Air conditioning in detail. **(06)**
- Q4** a) Write characteristics of fire resisting materials & enlist common fire resisting building materials. **(07)**
b) Write the classification of traps according to shape. **(06)**

SECTION - II

- Q.5** Draw a ling plan of a health club with suitable scale (1:100) **(10)**
- Q.6** Draw a ground floor plan of the 20 bedded primary health centre with a scale 1:100. Draw its front Elevation. **(20)**

(P.T.O)

Q.7 Draw a one pt perspective of the following given object. Eye level at 1.5m Assume station point. (10)



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