DRAUGHTSMAN CIVIL
(PRACTICAL)
SEMESTER – IV

TIME: 8 HRS.

MARKS: 270

Note: Attempt all questions.

1. Draw a neat sketch of Hydro Electric power plant showing various component parts with their functions.   **(50)**

2. Draw a neat sketch of cross section of the 230mm thick Masonry wall of height 1m above ground level for the following data.   **(70)**

    Basement thickness –330mm and height - 400mm
    Three footings of sizes - 430x150mm, 530x150mm and 630x150mm.
    C.C .bed (1:3:6) consists of 200mm thickness having width 800mm
    Depth of foundation below ground level is 650mm.

    Also, determine the quantities of the following items.

    i. Earth work excavation
    ii. C.C.bed (1:3:6)
    iii. Footings
    iv. Basement
    v. Masonry Wall

3. Determine the area of portion of an open ground in the college premises by chain surveying and off set method. Also plot the area to some suitable scale.   **(150)**

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