DRAUGHTS MAN (CIVIL) (THEORY)

TIME : 3 Hour

Marks : 100

Note : Attempt any FIVE questions. All questions carry equal marks.

Q 1. (a) What is the significance of bonding in brick work?
   (b) What are the general principles to be observed in the construction of masonry?

Q 2. (a) Explain with diagram a grillage foundation.
   (b) What type of foundation would you propose for a multi storeyed Office building in the soft soil?

Q 3. (a) With neat sketches, illustrate the king post roof truss.
   (b) Enunciate and Justify by the essential requirement of a domestic stair case.

Q 4. (a) What do you understand by 'Contour'. Explain briefly the contour interval.
   (b) What is the advantages and disadvantages of plane table survey?

Q 5. (a) Briefly discuss the construction of cement concrete road.
   (b) Clarify culverts as per IRC and discuss briefly.

Q 6. (a) What is grading of aggregate? What are it effects on the qualities of concrete?
   (b) Describe briefly the methods of making concrete.

Q 7. Write explanatory notes on the following:
   1. Prismatic Compass
   2. Long wall method of estimate
   3. Types of foundation.
   4. Scaffolding

X-X-X-X-X

2—8 DGF & T/ND/10—TH—D. (Civil)—25,000