

TED (15) – 5014

(REVISION — 2015)

Reg. No. ....

Signature .....

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/  
MANAGEMENT/COMMERCIAL PRACTICE — APRIL, 2018

QUANTITY SURVEYING - II

[Time : 3 hours

(Maximum marks : 100)

- [Note :—1. Missing data if any suitably assumed.  
2. Steel table is permitted.  
3. Quantities are to be worked out in standard form.  
4. Sketches accompanied.]

PART — A

(Maximum marks : 10)

Marks

I Answer *all* questions in one or two sentences. Each question carries 2 marks.

1. Calculate the length of ridge in terms of eave length and eave span of a hipped roof, when the rise is  $\frac{1}{3}$  span.
2. Differentiate between abutment and wing wall of a culvert.
3. Mention bar bending schedule of reinforcement.
4. State the different types of specification.
5. Define valuation.

(5 × 2 = 10)

PART — B

(Maximum marks : 30)

II Answer any *five* of the following questions. Each question carries 6 marks.

1. Calculate the quantity of wood work for common rafter for the figure-I. Assume the size of common rafter is  $50 \times 125$  mm, spacing between common rafter is 480 mm.
2. Determine the total plastering area of walls in figure - I of building.
3. Compute the quantity of first class brick work in cut water end of a bridge pier shown in figure - II.
4. The plan and section of column footing is shown in figure - III. Calculate the quantity of cement concrete of nominal mix 1:4:8 for base and RCC work with nominal mix of 1:2:4 in footing excluding steel.