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Total number of pages:[02]

Total number of questions:[06]

B.ARCH. – 5th Sem.

Building Construction -V

Subject Code : AR-502

Paper ID: (for office use)

Batch: 2015 onwards

Time allowed: 04 Hrs

Max Marks: [60]

Important Instructions:

- Attempt one question from each part.
- 03 Marks is reserve for neatness.

PART - A

Q1. A) Detail out a aluminum window of opening Sixe 8'-0" wide and 9'-0" for a house with open able glass and jail shutter of size 22" with appropriate height. The fix glass panel should not be more than 24 Sq. Ft. 11

B) Draw a sliding and folding shutter for a opening of size 10'-0" wide and 8'-0" High. Detail out its all relevant detail. 12

Q2. A) Draw and detail out a rolling shutter for an opening of size 12'-0" and height 14'-0". Detail out its all relevant detail. 12

B) A window opening of size approximately 6'-6" wide and 5'-6-" high is to provide with MS steel section. Draw its plan, elevation and section with all its relevant detail. The opening must have a suitable glass and jail shutter with grill. 11

PART - B

Q3. A) A factory shed of size 12 M x 100 M to be provided with North Light truss and light weight roof. Draw the north light truss and give detail of its Ridge and Valley. 12

B) Draw a steel column and footing detail of the above factory shed.

10

Q4. A) A factory shed of size approximately 8 M span is to be provided with N Type truss. Detail and draw all the relevant details of the truss

12

B) Draw and detail out the grillage foundation for the steel columns.

10

PART – C

Q5. Design and draw the partition wall for the Glass bricks or Aluminum or Wooden Partition wall for a opening of size 30'-0" wide and 11'-0" high.

12

Q6. Design and draw a false for a office room of size 16'-0" x 20'-0".

12

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