

[b] Testing of sand for organic impurities

[c] Slump test

[5+4+5] = 14

GROUP B

5. [a] Differentiate between the following with sketches:

(i) Swing door and revolving door

(ii) Sliding door and folding door

[b] Sketch the details of construction of a $2/3^{\text{rd}}$ glazed timber paneled door, to be fit in a masonry opening of 1.2 m x 2.4 m (width x height), with necessary dimensions and annotations.

[(3+3)+8] = 14

6. [a] Compare aluminium, as a material for construction of door and window, with timber and steel.

[b] Illustrate the details of construction of a sliding aluminium window to be installed in a masonry opening of 1.5 m x 1.35 m (width x height).

[c] Prepare a schedule for the required different types of extruded sections and other accessories with their respective quantities.

[4+6+4] = 14

7. [a] Differentiate between the following with sketches:

(i) Gable window and dormer window

(iii) Bay window and corner window

[b] Illustrate the details of construction of a partially fixed steel casement window, with necessary dimensions and notes, to be fit in a masonry opening of 2.0 m x 1.35 m (width x height).

[(3+3)+8] = 14

8. Write short notes on:

[a] Hollow core flush door

[b] Clerestory window

[c] Fire door

[5+4+5] = 14

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