



19201

21718

3 Hours / 100 Marks

Seat No.

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- Instructions :**
- (1) *All questions are compulsory.*
 - (2) *Figures to the **right** indicate **full** marks.*
 - (3) *Assume suitable data, if **necessary**.*
 - (4) *Use of Non-programmable Electronic Pocket Calculator is **permissible**.*
 - (5) *Mobile Phone, Pager and any other Electronic Communication devices are **not** permissible in Examination Hall.*

Marks

1. Attempt any ten :

20

- a) Enlist any four types of glass.
- b) State any two objects of plastering.
- c) Enlist any four types of paint.
- d) Define lintel.
- e) What is arch ?
- f) Classify any two arches according to shape.
- g) Enlist any two fixtures required for windows.
- h) Enlist any four brand names of door and window fixtures and fastenings.
- i) Define the term style and lock rail.
- j) Enlist any four types of door.
- k) Enlist any four types of window.
- l) Enlist any two types of distempers.
- m) State the meaning of term varnish.
- n) Draw a sketch of tower bolts.

2. Attempt any four :

16

- a) State the process of manufacturing of glass.
- b) State any two properties and uses of sheet glass.
- c) Explain the term cement plaster.
- d) Explain the term flush pointing.
- e) State any four characteristics of good paints.
- f) Explain aluminum paints.

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- 3. Attempt any four:** **16**
- a) Explain the term safety glass.
 - b) State any two properties and uses of wired glass.
 - c) State any two properties and uses of plastic wall tiles.
 - d) State any two properties and uses of wall paper.
 - e) Explain the procedure of application of oil paint on old wall.
 - f) Explain the process of varnishing on wood work.
- 4. Attempt any four:** **16**
- a) Enlist different types of lintels and their use.
 - b) Draw neat and labelled sketch of jack arch.
 - c) Draw a neat sketch of back flap hinge and strap hinge.
 - d) Explain mortise lock with neat sketch.
 - e) Draw elevation and sectional plan of battened and ledged door.
 - f) Draw neat labelled sketch of bay window.
- 5. Attempt any four:** **16**
- a) Explain with neat sketch flat brick arch.
 - b) Explain with neat sketch semi circular stone arch.
 - c) Explain with neat sketch hasp staple bolt and latch.
 - d) Explain types of handles used for door or window.
 - e) Explain with neat sketch sash or glazed window.
 - f) Draw elevation and sectional plan of fully panelled door.
- 6. Attempt any four:** **16**
- a) Explain the term R.C.C. lintel.
 - b) State any four merits of screw over nail as a fixing device.
 - c) Explain with neat sketch door springs.
 - d) State any two advantages of providing corner window and draw neat sketch of corner window.
 - e) Draw a neat sketch of sky light window.
 - f) Explain the built in method of fixing the door.
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