

25CE301 : BUILDING MATERIALS AND CONCRETE TECHNOLOGY

Topic: Unit II: Paints, Varnishes, Miscellaneous Materials & Cement

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Paints

- Types
- Constituents
- Properties
- Applications

Varnishes & Distempers

- Composition
- Properties
- Uses

Glass

- Types
- Properties
- Applications

Plastics

- Thermoplastics
- Thermosetting
- Applications

Bitumen, Asphalt, Adhesives & Sealants

- Properties
- Applications

Modern Building Materials

- GFRP
- Geosynthetics
- AAC Blocks

Cement

- OPC
- PPC
- PSC
- IS Codes

Hydration of Cement

- C3S
- C2S
- C3A
- C4AF

Tests on Cement

- Consistency
- Setting Time
- Strength
- Fineness
- Soundness

Summary

- Key points
- Viva Questions

Thank You..