



Symbol of Secularism
& National integration

ANJUMAN-I-ISLAM'S
KALSEKAR TECHNICAL CAMPUS, NEW PANVEL
School of Architecture

*Approved & Recognised by: All India Council for Technical Education and Council of Architecture, New Delhi
Directorate of Technical Education, Govt. of Maharashtra Affiliated to: University of Mumbai*

FIRST YEAR B.ARCH- SEM II EXAMINATION APRIL 2015

Subject: Architectural Building Construction & Materials II

Max Marks: 70

Date: 15/04/2015

Duration: 3 Hrs

- * ALL QUESTIONS ARE COMPULSORY.
* DRAW NEAT PROPORTIONATE SKETCHES WHERE EVER NECESSARY.

Q1. What is a lintel? What are different types of lintels? Explain any two in detail. 10 Marks

Q2. Define the following: (Any 5) 10 Marks

1. Skew back
2. Intrados
3. Voussoir
4. Abutment
5. Springing line
6. Keystone
7. Rise

Q3. Draft plan for both the courses in a T- junction between one thick brick walls in English bond. 10 Marks

OR

Draft plan for both the courses in an L- Junction between one brick thick walls in Flemish bond.

Q4. Explain the following with relevant sketches: (Any 5) 10 Marks

1. Coping
2. Cornice
3. Plinth course
4. Foundation
5. Superstructure
6. String course
7. Throating

Q5. Draft the following: 15 Marks

1.5 m deep strip foundation for a 350thk stone wall showing all the elements in the foundation and superstructure.

Q6. Draft a semi circular arch with clear span of 2m showing mortar joints.

10 Marks

Q7.

5 Marks

- A) What is the difference between cement and concrete?
- B) What are the different types of wall finishes used in the interior work? Explain any one in detail.

OR

- A) What is curing of cement?
- B) What are different types of floor finishes used in the interior work? Explain any one in detail.
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