

Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER B. ARCH. DEGREE EXAMINATION – JAN/FEB 2019

**SUBJECT: ARC -14-107 – BUILDING MATERIALS
(2014 SCHEME)**

Tuesday, February 05, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 50

✍ Answer any FIVE questions from the following.

✍ Answer all parts of a question. Give sketches wherever necessary.

1A. Explain the classification of rocks on the basis of geological formation.

1B. State any three types of Clay products. Mention its properties and area of application.

(5+5 = 10 marks)

2A. What are the properties of a good mortar?

2B. Explain the various substitutes of sand available in the market.

(5+5 = 10 marks)

3A. Differentiate Paints and Varnishes.

3B. What is Seasoning of Timber? Explain any one method in detail.

(4+6 = 10 marks)

4A. Explain the uses of any two Ferrous metals, based on its characteristic properties.

4B. Explain the properties of Ceramic, substantiate with examples and sketches.

(5+5 = 10 marks)

5A. What is Terracotta? What is its composition?

5B. Explain the steps involved in the manufacturing of glass.

(4+6 = 10 marks)

6A. What makes steel alloys preferable than steel?

6B. Define "Conversion of Timber" and describe any two methods in detail.

(4+6 = 10 marks)

