

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B. ARCH - SEMESTER- I • EXAMINATION – WINTER 2017**

**Subject Code:1015104**

**Date:01-01-2018**

**Subject Name: Interior Material & Technology -I**

**Time:10.30 AM TO 1.30 PM**

**Total Marks: 50**

**Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

**INSTRUCTIONS :**

1. ALL QUESTIONS TO BE ANSWERED IN ENGLISH.
2. THE ENTIRE QUESTION PAPER IN THE FOLLOWING QUESTIONS IS COMPULSORY.
3. MAKE SUITABLE SKETCHES WHEREVER NECESSARY.
4. FIGURES TO THE RIGHT INDICATE THE MARKS.

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**Q-1. DEFINE THE FOLLOWING WITH A NEAT SKETCH (ANY 5) (2 MARKS EACH):----- (10)**

1. ASHLAR MASONRY
2. FLEMISH BOND
3. HEADER OF A BRICK
4. QUEEN CLOSER
5. RUBBLE MASONRY
6. FROG
7. BAT

**Q-2. LIST DOWN THE COMPONENTS OF A BUILDING AND EXPLAIN EACH OF THEM WITH A SHORT NOTE.----- (05)**

**Q-3. WHAT IS A BRICK ? EXPLAIN THE USES AND PROPERTIES OF FIRST CLASS, SECOND CLASS, THIRD CLASS AND FOURTH CLASS OF BRICKS IN DETAIL. ALSO GIVE A NEAT DIAGRAM.----- (05)**

**Q-4. DRAW A NEAT PLAN, SECTION & ELEVATION OF 230 MM THICK BRICK WALL CONSTRUCTED IN ENGLISH BOND.----- (10)**

OR

**Q-4. DRAW A NEAT PLAN, SECTION & ELEVATION OF 230 MM THICK BRICK WALL CONSTRUCTED IN STREACHER BOND.----- (10)**

**Q-5. DRAW A NEAT PLAN, SECTION AND ELEVATION OF AN UNCOARSED RANDOM RUBBLE MASONARY WALL CONSTRUCTION.----- (10)**

OR

**Q-5. DRAW A NEAT PLAN, SECTION AND ELEVATION OF A COARSED SQUARED RUBBLE MASONARY WALL CONSTRUCTION.----- (10)**

**Q-6. LIST DOWN THE TYPES OF ASHLAR MASONARY. EXPLAIN WITH DEFINITION AND DIAGRAMS.----- (05)**

**Q-7. WHAT ARE THE STANDARD BRICK SIZES. EXPLAIN WITH DIAGRAM.----- (05)**

