

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BID - SEMESTER-I EXAMINATION – WINTER 2018

Subject Code: 1015104

Date:03/01/2019

Subject Name: INTERIOR MATERIALS AND TECHNOLOGY-I

Time:10:30 AM TO 1:30 PM

Total Marks: 50

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.

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

1. RANDOM RUBBLE MASONRY
2. FLEMISH BOND
3. STREACHER OF A BRICK
4. KING CLOSER
5. ENGLISH BOND
6. FROG
7. HALF BAT

Q-2. WHAT ARE THE COMMON MATERIALS USED TO CONSTRUCT A BUILDING. EXPLAIN IN BRIEF PROPERTIES OF THREE MATERIALS USED.----- (05)

Q-3. DRAW A NEAT PLAN, SECTION & ELEVATION OF 230 MM THICK BRICK WALL CONSTRUCTED IN FLEMISH BOND.----- (10)

OR

Q-3. DRAW A NEAT PLAN, SECTION & ELEVATION OF 230 MM THICK BRICK WALL CONSTRUCTED IN HEADER BOND.----- (10)

Q-4. DRAW A NEAT PLAN, SECTION AND ELEVATION OF BRICK WALL CONSTRUCTED IN STREACHER BOND.----- (10)

OR

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

Q-5. 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-6. WHAT SERVICES FORM THE CORE OF BUILDINGS. EXPLAIN IN BRIEF WITH REQUIRED DEFINITION----- (05)

Q-7. WHAT ARE THE RAW MATERIALS USED TO MAKE BRICKS AND EXPLAIN THE BASIC METHOD TO MANUFACTURE BRICKS.----- (05)
