Roll No…….. **Total No. of Printed Pages: 1**
Total No. of Questions: 7

B. Architecture (Semester – 5th)
BUILDING SCIENCE AND TECHNOLOGY-V
Subject Code: BARC1537
Paper ID: 120129

Time: 03 Hours **Maximum Marks: 60**

Instruction for candidates:

- Question 1 is compulsory
- Attempt FOUR more questions from Unit-I, II & III by attempting at least ONE from each unit.

Q1. a) What measures can be taken for protection against overload and lightening? 2
b) What do you understand by resistance and capacitance? 2
c) What do you understand by architectural acoustics? 2
d) Define reverberation time. 2
e) Write briefly on fire alarms 2
f) Define resonance 2

UNIT I

Q2. Explain in brief with sketches the different types of electric circuits that can be installed in a building. which one of these would you prefer in
a) Residence
b) Marriage Pandaal 12
Give reasons for your answer.

Q3. Explain cleat wiring and conduit wiring stating their advantages and disadvantages. Define the following. Draw neat sketches
a) Circuit breaker
b) Fuse 12
c) Main switch board
d) Meter box

UNIT II

Q4. Explain the requirement of a good acoustical material with emphasis on their application 12

Q5. How do factors like surfaces, shapes, layouts and sitting arrangements affect quality of sound in an auditorium 12

UNIT III

Q6. What are the various types of fire classifications and which type of extinguishers can be used to extinguish each one of them? 12

Q7. State briefly ALL the components of the firefighting systems ie. From the designing, construction and habitation of the building 12