

No. of Printed Pages : 03

Roll No. ....

**F-4007**

**B. Arch. EXAMINATION, May 2018**

(Sixth Semester)

(B. Scheme) (Main & Re-appear)

(Arch.)

AR318B

BUILDING MAINTENANCE

*Time : 3 Hours]*

*[Maximum Marks : 50*

---

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

---

**Note :** Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(3-66/1) M-F-4007

**P.T.O.**

### **Unit I**

1. Explain the principles of maintenance of building. What are various challenges in implementing preventive maintenance ?
2. Explain the importance of good concrete practices in reducing the defects in building. Describe two defects in RCC building due to poor workmanship.

### **Unit II**

3. Discuss the basic characteristics of common repair materials for treating dampness in the buildings. Describe factors to be considered for surface protection.
4. Describe are the broad classifications of cracks. Explain two types of crack, their origin, prevention and repair in concrete Structures.

### **Unit III**

5. Describe various aspects to be considered in preventive maintenance of sewerage system at sector of your town. Explain the use of various tools for removing blockage in drains.
6. List five most common problems in public health services from maintenance consideration. Describe the possible causes of defects in water taps along with their remedial measures.

### **Unit IV**

7. Discuss the methodology to be adopted for maintenance of electrical system in building. List the guidelines for maintenance of electrical appliances.
8. Explain the techniques of jacketing and bracket for strengthening of building columns with examples.