No. of Printed Pages : 2

BAR-039

| 00485 m | BACHELOR OF ARCHITECTURE (BARCH) Term-End Examination June, 2012 BAR-039 : ARCHITECTURAL SCIENCES AND SERVICES - II (ILLUMINATION AND ACOUSTICS) | | | |
|------------|---|---|----------------------|--|
| B | | | | |
| Time | : 3 hc | ours Maximum N | 1. Aarks : 70 | |
| Note | | ll questions carry e qual marks . Attempt a uestions. | ny seven | |
| 1. | expla | It do you understand by daylighting ? A ain daylight factor . How do you determ ous components of daylight factor ? | | |
| 2. | - | ain the various lighting system employed | l in 10 | |
| 3. | | at are the methods of lighting calculation lain them. | ns? 10 | |
| 4. | Defin (a) (b) | ne the following : Illumination laws Artificial lighting for a theatre and stadium. | 10 d a | |
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- What do you understand by the term 10 Acoustics ? Explain room acoustics, in specific reference to lecture halls.
- Explain Reverberation time and optimum time of 10 reverberation with formula. What is its relevance in auditoriums and blind school buildings ?
- 7. Describe various measures for good acoustics in 10 a multi - purpose hall. What kind of sound absorption treatment would you provide for side and back (facing stage) wall ?
- 8. What are the differences between sound and 10 noise ? Explain various noise criteria of building materials . Where would you apply them in various buildings ?
- 9. What are various noise control measures for 10 buildings for external and structure borne noise ?

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