



HCV-001-005502

Seat No. _____

Third Year B. A. (ID) (Sem. V) (CBCS) Examination

October / November – 2017

Building Science - III

(Light)

Faculty Code : 001

Subject Code : 005502

Time : 2 Hours]

[Total Marks : 50

- Instructions :** (1) All questions are compulsory.
(2) Any ambiguity will be considered as a wrong answer.

- 1 Explain : (any **five**) **10**
- (1) Illuminance
 - (2) Task Lighting
 - (3) SC
 - (4) Daylight factor
 - (5) Glare
 - (6) Penetration of light
 - (7) Atrium Space
- 2 Answer the following questions in brief : (any **four**) **40**
- (1) Importance of natural light in interior spaces.
 - (2) Discuss better location and orientation of all residential activities on the basis of natural light.
 - (3) Explain different types of windows and its effects.
 - (4) Discuss impacts of diffused light and reflected light on interior spaces.
 - (5) Explain types of shading devices, its orientation and other related details.
 - (6) Discuss the strategies to borrow the light in the interior of Bhungas in the Kutch.