

B.ARCH-SEMESTER III-INTERNAL EXAMINATION-2015

SUBJECT CODE: 1035005

DATE: 6/11/2015

SUBJECT NAME: ENVIRONMENTAL SCIENCE

TIME:

TOTAL MARKS: 50

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q.1 Describe in detail characteristics of any one climate. Along with useful design consideration in order to achieve climatic responsive design.

10 MARKS

Q2. (a) Explain the process of heat exchange through human body.
(b) Importance of landscape in architecture

6 MARKS

Q3. Explain summer and winter solstice. Draw appropriate sketches.

OR

Describe three ways of how earth sun relationship affect the amount of solar radiation received at a particular point on earth Surface.

5MARKS

Q4. State Difference between passive and active cooling techniques followed by appropriate examples.

10MARKS

Q5. Describe behavior of light in detail.

5MARKS

Q6. Elaborate any seven all of the followings :

14 MARKS

- (a) Water Tower
- (b) Cross and stack ventilation in detail.
- (c) ERC , IR , SC
- (d) Importance of environment science.
- (e) Earth tunnel
- (f) wing wall
- (g) Trombe wall
- (h) MVHR