

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA
SEMESTER END EXAMINATIONS (REGULAR) APRIL - MAY - 2017
B.ARCH I YEAR II SEMESTER

APPLIED CLIMATOLOGY (10110207)

Maximum Marks – 50

Time – 2.00 Hours

a) Answer any Two questions out of 1 to 4 questions.

b) Question No.5 is compulsory and answer any four out of six sub-questions.

Q1. What are the design considerations for buildings (15M)
in warm-humid climate? Explain with neat
sketches.

Q2. Write a short note on climatic classification as (15M)
given by G.A. Atkinson, explaining their
characteristics.

Q3. Explain daylighting and passive cooling (15M)
strategies for hot and dry climates with neat
sketches.

Q4. Write a short notes on (15M)
a) Sun angles
b) Design of shading devices
Explain with neat sketches.

Q5. Write short notes on any FOUR of the (4x5
=20M)
following.

- 1) Body heat balance
- 2) Relative humidity and saturation humidity
- 3) ERC and IRC
- 4) Spread and Penetration of day light
- 5) Stack effect and venturi effect
- 6) Evaporative cooling
