

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA
SEMESTER END EXAMINATIONS (REGULAR) APRIL – MAY - 2017

B.PLANNING IV YEAR VIII SEMESTER

Elective-III RESEARCH METHODS IN URBAN CONTEXT
(10210825)

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.
c) Scientific Calculators are allowed.

- Q1. Give the importance and mention the purpose of research in contemporary world. (15M)
- Q2. What is sampling? Types of sampling. Elaborate with advantages and disadvantages. (15M)
- Q3. What is Academic Publishing? What is the difference between white, gray and black literature? What is a peer review and what are its functions? (15M)
- Q4. Mention a method of shadow and wind analysis procedure in urban context. (15M)
- Q5. Write short notes on any FOUR of the following : (4x5= 20M)
- What is Case Study? Mention advantages and disadvantages of case study approach?
 - What is DEM? Mention one industry implication?
 - Calculate the height of the building 'h' where length of building in oblique aerial image $m = 0.6m$,
Focal length $r = 3.5$ cm,
Attitude height of aircraft $H = 1000m$.
 - Code in Matlab:
Create an input statement with an input number which is x;
Consider matrix $A = [1 \ 5 \ 7]$; Now display the result
x multiplying A.

- e) Draw the diagram depicting all the variables in aerial photography from an aircraft
(Focal length, flight height, lens, Ground and other relevant information)
- f) 120 Students were surveyed to find out the preferred teacher among 4 teachers in total.
4 teacher's Feedback data is given below. Please find out the level of statistical significance using chi-square Analysis.

Frequency	Teacher A	Teacher B	Teacher C	Teacher D
Observed data	20	70	10	20

