5. Briefly explain the models or concepts as proped by Tony Garmeir, Frank Lyoyd Wright, Soria Y. Mata, Luduing Hilberseimer and Le Corbusier for future cities.   15

6. The Design principles of Vidhydhar Nagar were borrowed from the city of Jaypur - Elaborate with sketches.   15

7. Draw the plans of the following cities *(any 5)*   5×3=15

   i)   Versailles

   ii) Chandigarh

   iii) City of Ur-Babylon

   iv) Ideal city by Vitruvius

   v)   Auroville city

   vi) Carcasonne and Noerdlinger

   vii) Farming Unit.

8. Elaborate the various rural development schemes by the central Govt. for various sectors like Housing, Poverty alleviation, Roads, Slums etc.   15

BACHELOR OF ARCHITECTURE EXAMINATION, 2014

(5th Year, 1st Semester)

PRINCIPLES OF URBAN AND RURAL PLANNING

Time : Three hours   Full Marks : 100

Question no. *1* is compulsory and

answer any *5* from the remaining questions.

I. i) Fill in the blanks *(any 10)*   10×1=10

   a) The basic unit of urban area is _____.

   b) UDPFI stands for _____.

   c) For Residential landuse category for metrocities the percentage ranges from _____.

   d) The Radburn concept proposed the idea of _____.

   e) The Roman towns which were conquered from others were called _____.

   f) The main motto of ''city Beautiful movement'' was _____.

   g) The "culture of cities" was written by _____.

   h) ASCORAL stands for _____.

[Turn over

i) The 5 elements of human settlement as proposed by Doxiadus in Ekisties were _____.

j) The primary residential zone is shown in _____ colour.

k) The sewerage is estimated at the rate of _____ % age of the water supply in any area.

ii) Define the terms : *(any 5)*   5×2=10

a) ECS

b) C.I.A.M.

c) MANDALA

d) Perspective plan

e) Woonerf

f) CENTURATIO SYSTEM

iii) Define a Census Town.   5

2. Differentiate between *(any 3)*   5×3=15

i) Net Density and Gross Density

ii) Greek towns and Roman towns.

iii) Garden city and Satellite towns.

iv) Use zoning and Spot zoning

v) Arterial Road and sub-Arterial road.

vi) Social Infrastructure & physical infrastructure.

3. The population of Silchar Municipal Area is shown as below :

      1961 - 41062

      1971 - 52596

      1981 - 77936

      1991 - 115483

Calculate the projected population for the year 2011 by the following methods.

i) By Incremental Increase

ii) By Geometrical Increase

iii) By Arithmetic Increase.   15

4. Define the term Neighbourhood and the conceptual models as proposed by Clarence Stein, Perry and Engel Hardt. 15