

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI  
(MID SEMESTER EXAMINATION)**

**CLASS: BARCH  
BRANCH: ARCHITECTURE**

**SEMESTER: VIII/ADD  
SESSION: SP/2020**

**SUBJECT: AR8401 PRINCIPLES OF HUMAN SETTLEMENT & URBAN DESIGN**

**TIME: 1.5 HOURS**

**FULL MARKS: 25**

**INSTRUCTIONS:**

1. The total marks of the questions are 30.
  2. Candidates may attempt for all 30 marks.
  3. In those cases where the marks obtained exceed 25 marks, the excess will be ignored.
  4. Before attempting the question paper, be sure that you have got the correct question paper.
  5. The missing data, if any, may be assumed suitably.
  6. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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- Q1 (a) What are factors which play an important role in the development of settlement planning? [2]  
(b) What is 'Hippodoman' concept? [3]
- Q2 (a) What is Agora and how did it effect the planning of the town? [2]  
(b) What are the characteristics of Roman cities? [3]
- Q3 (a) Mention about the major changes that occurred during the Mauryan period towards town and country planning? [2]  
(b) What are the silent features of the town of Mohenjodaro in Indus valley civilization in terms of planning? [3]
- Q4 (a) Write about Çity Beautiful Movement and how did it effect the urban life? [2]  
(b) What was the impact of Industrial revolution on settlement pattern? [3]
- Q5 (a) What is Satellite town? Give examples. [2]  
(b) Mention the various concepts or theory given by: [3]  
I. Tony Garnier IV Frank Lloyd Wright  
II. Soria Y. Mata V C.A.Doxiadis  
III. Clarence Perry VI Clarence Stein and Henry Wright
- Q6 (a) Mention the concept used to plan the following towns: [2]  
i. Wythenshawe  
ii. Unité d'Habitation in Marseille  
iii. Islamabad  
iv. Letchworth  
(b) Write short notes on: [3]  
(i) Metropolis  
(ii) Megalopolis

::: 28/02/2020E ::::