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

CLASS:     MUP                                                                                  SEMESTER : I
BRANCH:   ARCH & PLNG                                                                 SESSION : MO/2023

**SUBJECT: AR608 HOUSING AND COMMUNITY PLANNING**

TIME:     3 Hours                                                                             FULL MARKS: 50

INSTRUCTIONS:
1. The question paper contains 5 questions each of 10 marks and total 50 marks.
2. Attempt all questions.
3. The missing data, if any, may be assumed suitably.
*4.* Before attempting the question paper, be sure that you have got the correct question paper.
5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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|  |  |  | CO | BL |
|---|---|---|---|---|
| Q.1(a) | Examine the need and characteristics of different types of special purpose housing. | [5] | CO3 | 4 |
| Q.1(b) | Appraise how housing can be related as a subsystem of larger system of habitation. | [5] | CO4 | 5 |
| Q.2(a) | Considering Ranchi to be an average size town under normal condition where the growth rate is found to be in increasing order, find the expected population of the city in the year 2031 nearest to 5000 based of following data: | [5] | CO5 | 6 |

| Year | 1991 | 2001 | 2011 | 2021 |
|---|---|---|---|---|
| Population | 4,00,000 | 5,58,500 | 7,76,000 | 10,98,000 |

|  |  |  | CO | BL |
|---|---|---|---|---|
| Q.2(b) | Discuss various approaches for slum improvement and point out the reasons for changes in approach to slum improvement in Indian context. | [5] | CO1 | 2 |
| Q.3(a) | Discuss the factors that affect housing market. | [5] | CO1 | 2 |
| Q.3(b) | Identify the actions that the government deems fit to be taken as per the 'National Urban Housing and Habitat Policy, 2007' of India, for the following listed specific areas:<br>a) Land<br>b) Technology support and its transfer | [5] | CO2 | 2 |
| Q.4(a) | Examine the concept of 'Neighborhood unit' proposed by Clarence A. Perry. How this concept is different from that proposed by Clarence Stein and Henry Wright? Support your answer with suitable sketches. | [5] | CO1 | 4 |
| Q.4(b) | Deduce and prioritize the major design issues in residential sector planning | [5] | CO4 | 6 |
| Q.5(a) | What is the purpose of regulating sub-division of land in urban areas? Briefly explain the nature of sub-division regulations for urban land. | [5] | CO5 | 2 |
| Q.5(b) | What are the objectives of housing development regulations? Describe the various means of regulation and aspects which are regulated through housing development regulations. | [5] | CO5 | 2 |