

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

**CLASS: MUP
BRANCH: ARCHITECTURE & PLANNING**

**SEMESTER : II
SESSION : SP/22**

SUBJECT: AR654 NEW TOWN PLANNING

TIME: 2 HRS

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 sets of questions each of 10 marks and total 50 marks.
2. The missing data, if any, may be assumed suitably.
3. Before attempting the question paper, be sure that you have got the correct question paper.

- Q.1(a) What are the New Town planning concepts adopted in the following cities: [4]
 i. Ningo Prampram, Ghana
 ii. Almere, Netherlands
- Q.1(b) Name the city/town: [4]
 i. India's first planned Industrial city
 ii. City that won the 2022 Sustainable Transport Award
 iii. Which has been ranked the most liveable city in 2021
 iv. Greenest city in the world in 2022
- Q.1(c) Write about the concept of holding pond in Navi Mumbai and how is it helpful? [2]
- Q.2(a) What are the benefits of walkable cities? Discuss few techniques of making walkable cities. [3]
- Q.2(b) What were the steps taken to rejuvenate Medellin's most infamous neighborhood 'Comuna 13'? [3]
- Q.2(c)(i) Match the following: [4]
- | GROUP-A | GROUP-B |
|------------------------|--------------------------|
| A. Hanover, Germany | i. Blue zone |
| B. Copenhagen | ii. EcoDistrict |
| C. Okinawa, Japan | iii. Innovation District |
| D. Hafen city, Hamburg | iv. City for People |
- (ii) Match the following:
- | GROUP-A | GROUP-B |
|--------------|---------------------|
| A. Bagota | Hovenring |
| B. Geelong | TransMi Cable |
| C. Eindhoven | Library Park |
| D. Medellin | Turquoise lifestyle |
- Q.3(a) What is TOD? What are the benefits of TOD Project? Give an example. [4]
 Q.3(b) What are the three critical areas that Smart Growth Maryland focuses on. Explain. [2]
 Q.3(c) What city in the world is the most successful smart city? Discuss few of the innovative smart city solutions that have been adopted there. [4]
- Q.4(a) What are the smart growth policies adopted in Virginia? Discuss. [2]
 Q.4(b) What are the differences between formal and informal sectors? [3]
 Q.4(c) What is PPP model and what are the strengths of two collaborating sectors? Why should this PPP model be adopted for various projects? [5]
- Q.5(a) Explain the attributes of inclusiveness in inclusive planning. [3]
 Q.5(b) What is inclusive growth and why is there a need for inclusive growth? [3]
 Q.5(c) Explain any two schemes by Ministry of Urban Development. [4]