Name of the Examinations: M.E. ARCHITECTURE FIRST YEAR FIRST SEMESTER - 2024

Subject : CYBERNETICS OF VISUAL PERCEPTION

Time : 3 Hrs   Full Marks : 100

Instructions :

- Write to the point answers, bullet points with small paragraphs preferred
- Support your answers with sketches, diagrams, charts and graphical understanding
- Use examples from urban scenario
- Each question carries 25 marks

Q1. Explain any two principles of Cybernetics? How these two principles be interpreted from a urban design standpoint. Support your answers picking up demonstrative examples/ sites from a city.

Q2. What is the difference between Brusnwik's Lens Model and Berylene's collative properties? Elaborate with examples. Also discuss about affects in context to urban design.

Q3. Write descriptive notes about any two of the following:

A. Nasar's approach

B. Appleton's approach

c. Kaplan's preference framework

D. OAM

Q4. Discuss the analytical understanding of the readings of any two of the following:

P. 4D Smart city and urban design

Q. AI Urbanism – conceptual sources and spatial implications of urban artificial intelligence

R. Cybernetic Cities: Designing and controlling adaptive and robust urban systems

S. Aesthetic Perception of Urban Streetscapes and the Impact of Form-Based Codes

T. Architectural relevance of cybernetics