

12. (a) Differentiate between apartments or plots, rental housing, and co-operative housing. (16)

Or

- (b) Explain the following
- (i) Difficulties slum clearness programme
 - (ii) Causes of slum
 - (iii) Prevention of slum
 - (iv) Effects of slum. (4+4+4+4)

13. (a) Draw conceptual type design for economically weaker section and high income group housing. (16)

Or

- (b) Design a housing layout given the following data and draw the conceptual layout plan

Population size – 10,000

EWS – 30%

LIG – 40 %

MIG – 20%

HIG – 10%

Access road -9.0 m

Make suitable assumptions on hierarchy of roads, and plot sizes for different income groups. Estimate the land requirement. Assess requirements of open spaces and community facilities as per norms and standards and distribute them over the layout area. (16)

14. (a) Explain any four modern materials and compare their strength and cost with conventional materials. (16)

Or

- (b) Explain the concept, content functions and performance evaluation of building centre in Tamil Nadu. Evaluate the performance of any one building centre you know. (16)

15. (a) Appraise the performance of public and private housing agencies against the following aspects: pricing of housing unit, site suitability open spaces and other basic facilities, social obligation rents. (16)

Or

- (b) Explain in detail about the cash flow analysis and explain its significance in appraisal with examples. (16)