		1000		1			-	_	
n	7		1			14			
Reg. No.:		8			-	1			**
	A	1	171	 	 				

Question Paper Code: 71518

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2017.

Seventh Semester

Civil Engineering

CE 6007 — HOUSING PLANNING AND MANAGEMENT

(Regulations 2013)

Time: Three hours

Maximum: 100 marks

Answer ALL questions.

PART A — $(10 \times 2 = 20 \text{ marks})$

- 1. How are residential building classified?
- 2. Distinguish Housing and Home.
- 3. Sketch any two topographical map view symbols.
- 4. Enlist the factors influencing of housing unit?
- 5. What are the advantages and disadvantages of detached houses?
- 6. What are recommendations given by NBC for layouts?
- 7. Name any four new construction techniques and cost effective materials.
- 8. List the chemical admixtures used in construction.
- 9. What is project appraisal? Why is it important in housing?
- 10. Define the term recovery pattern.

PART B - (5 × 16 = 80 marks)

 (a) Explain in details about National housing policies and their objectives, Strategies. (16)

Or

(b) Explain in details for DCR& building regulations of CMDA.

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 then 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)