

MBACN

TUTOR MARKED ASSIGNMENT

MMPN-003: PLANNING AND CONSTRUCTION OF BUILDINGS

Course Code: MMPN-003

Maximum Marks: 100

Weightage: 30%

Last Date of Submission: October 31, 2026

Note: All questions are compulsory and carry equal marks. All the answers must be written in your own words and shall not be typed/prepared using AI tools etc. However, scanned copy of your hand-written responses can be uploaded for assignment submission wherever permitted. Support your answers liberally with diagrams.

Q.1 Prepare a dimensioned Plan of a single storey residential building having One Bedroom, Drawing-Dining Hall, Kitchen, Washroom and a Balcony.

Q.2 Give the classification under which the following buildings fall:

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|--------------------------|-----------------------------|
| (i) Gymnasiums | (vi) LPG Bottling Plant |
| (ii) Data Centres | (vii) Old-Age Homes |
| (iii) Nursing Homes | (viii) Cold storages |
| (iv) Community Centre | (ix) District & High Courts |
| (v) Jhuggi-Jhopri/ Chaal | (x) Cine-multiplex |

Q.3

(a) Describe any two methods of lowering of the sub-soil water level for excavation of foundation. State the additional circumstances under which a method could prove better than the other option..

(b) Describe the principal components of an office of a large e-commerce market aggregator. Also discuss the important points to be kept in mind while planning of space for such offices.

Q.4

(a) Describe construction and working of rural sanitary latrines giving neat sketches

(b) Explain the factors dictating choice of a particular type of foundation. Under what circumstances would you prefer a pile foundation?

Q.5 Write short notes on the followings:

- | | |
|-----------------------|------------------------------|
| (a) Rural Housing | (b) Penetration Test |
| (c) Roofing Materials | (d) Ventilation in Buildings |

(e) Block Masonry

Q.6 Discuss in detail the various factors, which should be considered while preparing an estimate of a residential complex.

Q.7 Prepare a preliminary estimate of a large building project taking the total plinth area of all buildings within a complex as 12500 m² which includes mainly residential apartments and a small shopping complex to cater the needs of residents.

Q.8 Explain the step by step procedure of acquisition of land for the developmental works undertaken by the Governments and how does it differ from acquisition process for private purposes.

Q.9 Calculate the cost for providing and laying of 1500 m³ CC 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate) including cost of form work and curing complete in foundations and plinth.

Q.10 Differentiate between the following:

- (a) Preliminary Estimate and Detailed Estimate
- (b) Salvage Value and Written Down Value
- (c) Internal Rate of Return and Average Rate of Return
- (d) Depreciated Value and Present worth.
- (e) Delay & Latches and Ultra Vires