

# TUTOR MARKED ASSIGNMENT

## MMPN-003

### PLANNING AND CONSTRUCTION OF BUILDINGS

Maximum Marks : 100

Weightage : 30%

Course Code: MMPN-003

Last Date of Submission: October 31, 2025

**Note :** All questions are compulsory and carry equal marks.

- Q.1 Determine the minimum area of a plot for a three storeyed residential building having four flats of 210 m<sup>2</sup> area in each floor, if FAR is to be restricted to 1.50 and area for staircase and access should not exceed 25% of the ground floor area of the building.
- Q.2 Give the classification under which the following buildings fall:
- (i) Milk Dairies
  - (ii) Computer installation
  - (iii) Hospitals
  - (iv) Stores
  - (v) Gymnasiums
  - (vi) Refineries
  - (vii) Restaurants
  - (viii) Cold storages
  - (ix) Offices
  - (x) Jail
- Q.3 (a) Explain the important steps in the planning process of a building.  
(b) Describe the principal components of office for professionals. Also discuss the important points to be kept in mind while planning of space of these offices.
- Q.4 (a) Explain in brief the various types of rural houses.  
(b) Under what circumstances, would you adopt a pile foundation? Explain the features of such a foundation in brief.
- Q.5 (a) Discuss the influence of orientation on thermal comfort.  
(b) Discuss the various points to be considered in deciding the location of doors in a room.
- Q.6 Discuss in detail the various factors, which should be considered while preparing an estimate of an office building.
- Q.7 Prepare a preliminary estimate of a building project taking a total plinth area of all buildings as 2500 m<sup>2</sup>.
- Q.8 State the features of a software which is available in the market and useful for estimation for a building project.

Q.9 Calculate the cost for 1 m<sup>3</sup> of lime concrete in foundation with 40 mm gauge Brick Ballast, white lime and surkhi. Take the proportion as 1 Lime : 2 Surkhi : 6 Brick Ballast.

Q.10 Differentiate between the following:

- (a) Amount and Compensation
- (b) General specification and Detailed specification
- (c) Book value and Market value
- (d) Layout plan and Preliminary plan.
- (e) Res Judicata and Ultra Vires