

Roll No: -----

**UNIVERSITY OF PETROLEUM
AND ENERGY STUDIES**



End Semester Examination, April, 2017

Program/course: B.Tech (Civil Engineering)
Subject: Building Law and Professional Ethics
Code : IFEG 471
No. of page/s: 2

Semester – VIIIth
Max. Marks : 100
Duration : 3 Hrs

Section A

All questions are compulsory to attempt.

- Q1. State the main difference between layout plan and building plan for a plot. Also mention the scale generally used in both plans. [5]
- Q2. Explain the importance of building frontage as a bye law for different types of buildings. [5]
- Q3. Enumerate the different categories of contractor works which are enlisted in relation to public works. [5]
- Q4. Enlist the classification of buildings based on occupancy and types of construction. [5]

Section B

All questions are compulsory to attempt.

- Q1. Explain the community and amenities open spaces provisions provided in residential, commercial and industrial zones of an area according to NBC 2005. [10]

Q2. In which type of buildings periodic occupancy renewal certificate is required and explain about the same in detail. [10]

Q3. Analyze the term “Grant of permit or refusal” related to building administration and explain the salient points associated with the same. [10]

Q4. Explain the term “conflict of interest” in a profession with one suitable example and the best way to handle this situation according to professional ethics. [10]

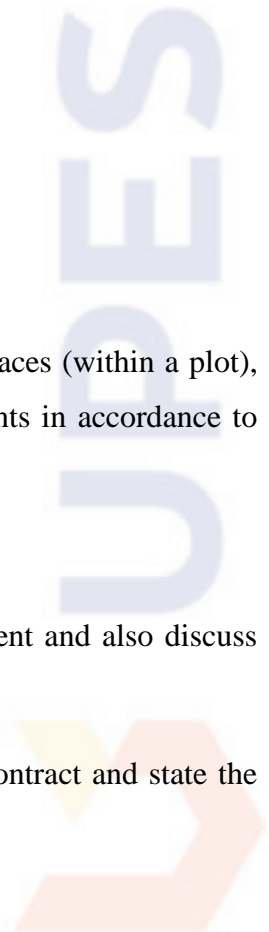
Section C

All questions are compulsory to attempt.

Q1. Describe briefly the general building requirement components [open spaces (within a plot), area-height limitations and off-street parking spaces] with their critical points in accordance to NBC 2005. [20]

Q2. a). Which type of contract is generally followed by Railways department and also discuss about the same in detail. [10]

b). Analyze the cost plus percentage rate contract and cost plus fixed fee contract and state the conditions of their suitability. [10]



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Section A

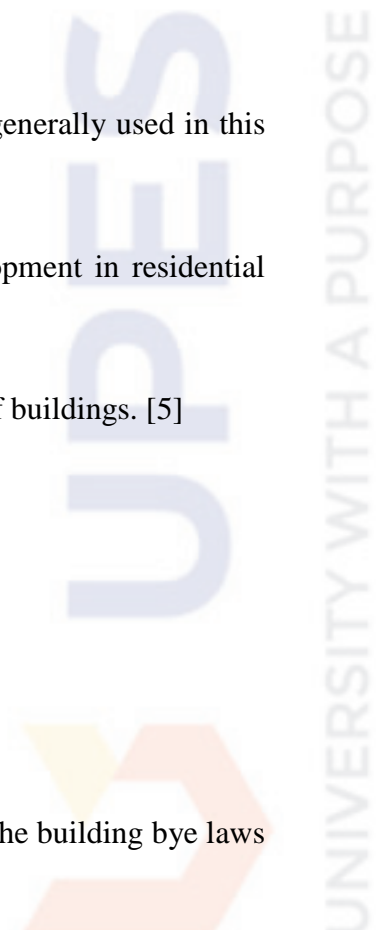
All questions are compulsory to attempt.

- Q1. State the salient features of sub-division plan. Also mention the scale generally used in this plan. [5]
- Q2. Mention the plot size generally required for different types of development in residential areas. [5]
- Q3. On basis of occupancy and construction types, enlist the classification of buildings. [5]
- Q4. Explain in brief the basic essentials of a contract. [5]

Section B

All questions are compulsory to attempt.

- Q1. Explain in detail the role of Board of Appeals in administration part of the building bye laws and development. [10]
- Q2. Analyze the term bribery and kickback in reference to professional world with one suitable example of each. [10]



Q3. In residential and industrial zones of an area, explain briefly about the community and amenities open spaces provisions provided according to NBC 2005. [10]

Q4. Which type of buildings have requirement of periodic occupancy renewal certificate and explain about the same.in detail. [10]

Section C

All questions are compulsory to attempt.

Q1. a). Enumerate the different types of contract which comes under the category of Measured contact and explain in brief about the measured contact. [10]

b). Analyze the cost plus fluctuating fee contract and target contract and state the conditions of their suitability. [10]

Q2. Discuss briefly the general building requirement components mentioned below with critical points in accordance to NBC 2005:

1. Area-height limitations
2. Off-street parking spaces
3. Green-belts, Landscaping and Water Conservation

[20]

