

Name:
Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, July 2020 (ONLINE MODE)

Programme Name: B. Tech, Civil Engg

Semester : VIII

Course Name : Building Bylaws & Professional Ethics

Time : 03 hrs

Course Code : CEEG 481

Max. Marks : 100

Nos. of page(s) : 02

Instructions:

SECTION A

| S. No. | | Marks | CO |
|--------|---|-------|-----|
| Q 1 | Fill the blanks a. There must be _____ & _____ to constitute a valid contract. b. Parties of the agreement must give _____ consent, in valid contract c. Contract is valid if there is _____ consideration d. Breach of contract means _____ to perform. | 5 | CO4 |
| Q 2 | a. Covered area (does not/ does) _____ add the area of Garden, rockery, well and well structures, plant nursery, water pool. b. A projection over any entrance is called as _____. c. The lower storey of a building, below or partly below ground level is called _____. d. In residential & commercial zone recreational space shall not be less than _____ m ² . e. As per NBC, minimum height of Mezzanine floor is ____ . | 5 | CO3 |
| Q 3 | Fill the blanks a. Three type of Cost plus contract are _____, _____ & _____. b. In BOT contract called as Build, _____ & _____ contract | 5 | CO4 |
| Q 4 | a. No application or permit is required for re-tilting & sunshade construction. - True / False b. As per NBC land use classification there are _____ number of land use classification category and there are _____ of use zone. c. Approval of Fire Services Department shall be required for buildings of height _____ or above. d. Application permit under NBC for the work in Airways and aerodromes not required. – True/ False | 5 | CO3 |

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|------------------|---|----|-----|
| Q 5 | <p>a. For plots of depths less than 9 m, for buildings up to 7 m in height, the rear open space may be reduced to ____ m</p> <p>b. With respect to land classification residential category present with _____ colour.</p> <p>c. The line up to which the plinth of a building adjoining a street is called _____ line</p> <p>d. Ground area covered by the building immediately above the plinth level is called _____ area.</p> | 5 | CO3 |
| Q 6 | Name any five cluster as per NBC 2016 : _____, _____, _____, _____ & _____. | 5 | CO1 |
| SECTION B | | | |
| Q 7 | Direct your team to participate in the tender for 3 envelope system by guiding the detail requirement & necessary documentation for it. | 10 | CO4 |
| Q 8 | Feature out the characteristics of Lumpsum contract and write its advantage & Disadvantages. | 10 | CO4 |
| Q 9 | As per NBC code define the role of planning, designing & Development team? | 10 | CO2 |
| Q 10 | <p>Discuss the competency & qualification of Architect as per NBC-2016.</p> <p>(OR)</p> <p>As per NBC-2016, describe minimum requirement & competency of registered Engineer.</p> | 10 | CO1 |
| Q 11 | <p>Briefly explain the following terms with respect to general building requirements as per NBC -2016</p> <ul style="list-style-type: none"> • Building & • Flor Area Ratio | 10 | CO3 |
| SECTION-C | | | |
| Q 12 | <p>Discuss Power & duties of team of building officials as per NBC -2016.</p> <p>(OR)</p> <p>Discuss the penalties & consequences if the norms as defined in NBC were not followed.</p> | 20 | CO1 |