

Name:  
Enrolment No:



**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, May 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. An agreement enforceable by law is _____ contract. b. Open competition tender could be _____ or _____. c. Earnest money is submitted in envelope no. _____ in 3 envelope bidding system. d. Assumption, Deviation, conditions are part of envelope _____ of the tendering process in 3 envelope system.	5	CO4
Q 2	a. Open space around the Educational Building shall not be less than _____. b. As per Land classification purple colour is used for _____ Category. c. Line defining the side line of street is called _____. d. _____ is ground area covered by the building immediately above the plinth level. e. The line upto which the plinth of a building adjoining a street called _____.	5	CO3
Q 3	a. Item rate contract is one in which contractor agree to work with _____, _____ & _____ documents. (3 marks) b. Due to _____ & _____ incapacity someone cannot enter in agreement. (2Marks)	5	CO4
Q 4	a. No application or permit is required for re-flooring & re-roofing. - <b>True / False</b> b. Key plan shall be drawn at scale of not less than _____ scale for submission with application. Where as the site plan shall be at scale of _____ for site up to one hectare. c. Building coming in aerodrome vicinity need to take special permission from _____. d. Team of Building to reply back on the application submitted within _____ period of application submission.	5	CO3

Q 5	<p>a. No recreational space required for residential zone less than _____ area as per open space norms of NBC</p> <p>b. Approval for fire safety is required if the height of building is more than _____ .</p> <p>c. The height of plinth shall not be less than _____ from the surrounding ground level.</p> <p>d. The height of room for human habitation shall not be less than _____ as per NBC.</p> <p>e. Mezzanine floor if used as living room, the minimum area provision is _____ as per NBC.</p>	5	CO3
Q 6	As per NBC 2016, a land development and the built facility during its service life comprises _____, _____, _____, _____, _____ & deconstruction major stages.	5	CO1
<b>SECTION B</b>			
Q 7	Explain the various points to be mentioned during the advertising for tenders on a public construction project as an engineer of organisation.	10	CO4
Q 8	Direct your team for item rate contract by highlighting main features and advantage of this contract.	10	CO4
Q 9	Highlight the main features of department of building as per National Building code. Discuss the procedure of application for building permit.	10	CO2
Q 10	Discuss the competency & qualification of engineer as per NBC-2016.  (OR)  As per NBC-2016, describe minimum requirement & competency of registered Structural Engineer.	10	CO1
Q 11	Discuss the general building requirements as mentioned in the NBC -2016 regarding <ul style="list-style-type: none"> <li>• Means of access</li> <li>• Open spaces within plot</li> </ul>	10	CO3
<b>SECTION-C</b>			
Q 12	Discuss the role of development authority for Design, Construction Management for permit process for various development project. (OR) Discuss the norms as defined in NBC for the area & height restriction for building development.	20	CO2