

Name:	
Enrolment No:	

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, May 2021 (ONLINE MODE)**

<b>Programme Name:</b> B. Tech, Civil Engg	<b>Semester :</b> VIII
<b>Course Name :</b> Building Bylaws & Professional Ethics	<b>Time :</b> 03 hrs
<b>Course Code :</b> CIVL 4020	<b>Max. Marks :</b> 100
<b>Nos. of page(s) :</b> 02	

**Instructions:**

**SECTION A**

S. No.		Marks	CO
Q 1	a. Building coming in aerodrome vicinity need to take special permission from _____. b. As per NBC land use classification there are _____ number of land use classification category and there are _____ of use zone. c. Team of Building to reply back on the application submitted within _____ period of application submission. d. Application permit under NBC for the work in Airways and aerodromes not required. – <b>True/ False</b>	<b>5</b>	<b>CO3</b>
Q 2	Fill the blanks a. Open competition tender could be _____ or _____. b. In tender process assumption, Deviation, conditions are part of envelope _____ of the tendering process in 3 envelope system. c. Contract is valid if there is _____ consideration d. Breach of contract means _____ to perform.	<b>5</b>	<b>CO4</b>
Q 3	a. _____ is ground area covered by the building immediately above the plinth level. b. A projection over any entrance is called as _____. c. The line upto which the plinth of a building adjoining a street called _____. d. In residential & commercial zone recreational space shall not be less than _____ m <sup>2</sup> . e. As per NBC, minimum height of Mezzanine floor is _____.	<b>5</b>	<b>CO3</b>
Q 4	Fill the blanks a. Three type of Cost plus contract are _____, _____ & _____. b. Due to _____ & _____ incapacity someone cannot enter in agreement.	<b>5</b>	<b>CO4</b>
Q 5	a. The height of plinth shall not be less than _____ from the surrounding ground level.	<b>5</b>	<b>CO3</b>

	<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. Mezzanine floor if used as living room, the minimum area provision is _____ as per NBC.</p> <p>e. The height of room for human habitation shall not be less than _____ as per NBC.</p>		
Q 6	Name any five cluster as per NBC 2016 : _____, _____, _____, _____ & _____.	5	CO1
<b>SECTION B</b>			
Q 7	As an Contract Manager, 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 &amp; qualification of Architect as per NBC-2016.</p> <p>(OR)</p> <p>As per NBC-2016, describe minimum requirement &amp; 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"> <li>• Floor Area Ratio</li> <li>• Open spaces within plot</li> </ul>	10	CO3
<b>SECTION-C</b>			
Q 12	<p>Discuss Power &amp; duties of team of building officials as per NBC -2016.</p> <p>(OR)</p> <p>Discuss the norms as defined in NBC for the area &amp; height restriction for building development.</p>	20	CO1