

Roll No: -----



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2017

Program: B. Plan.

Subject (Course): Basic Design

Course Code : BPLC111

No. of page/s: 2

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

Section – A [05×04 =20 Marks]

Attempt all questions

- Q1. Sketch Plans and elevations of any two trees?
- Q2. Name and sketch all the basic elements of design.
- Q3. Difference between the Harmony by Unity and Harmony by Variety
- Q4. Define Stippling and Rendering?
- Q5. Why there is a need of a Design brief?

Section – B [04x10 =40 Marks]

Attempt all questions

- Q6. Define Space with the help of Horizontal and Vertical elements? Explain with sketches.
- Q7. Explain all the factors we should consider while selecting a site?
- Q8. How we should utilize spaces in a building design?
- Q9. While designing a Residence what minimum standard size for the following rooms should be taken: -

a) Drawing Room, b) Dining Room, c) Kitchen, d) Bedroom, and e) Toilet

Section – C [02×20 =40 Marks]

Attempt all questions

Q10 Draw a **Plan, Front Elevation** and **Section** for **Standard room layout** with **dimensions and section line**. Mention all dimensions in millimeters.

Q11. Explain the factors and concept related to building design under the following context:-

- a) Site characteristics
- b) Land Form
- c) Visual elements.



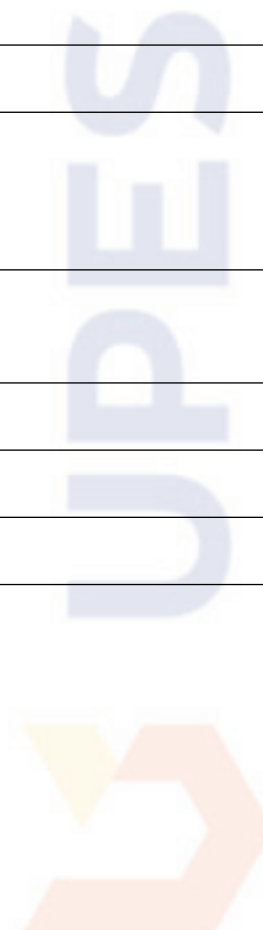
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Name of the College (Please tick, symbol is given)	:	COES	CMES	<input checked="" type="checkbox"/>	COLS	
Program	:	B.Pl				
Semester	:	Ist				
Name of the Subject (Course)	:	Basic Design				
Course Code	:	BPLC111				
Name of Question Paper Setter	:	Vibhor Goyal				
Employee Code	:	Visiting				
Mobile & Extension	:	084 9901660				

Note: Additional Stationery - A Blank A4 Sheet is needed

FOR SRE DEPARTMENT

Date of Examination	:	
Time of Examination	:	
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Note: - Pl. start your question paper from next page



UNIVERSITY WITH A PURPOSE

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Section – A [05×04 =20 Marks]

Attempt all questions

Q1. Define Stippling and Rendering?

Q2. Name all the basic principles of Design.

Q3. What is Symmetric and Asymmetric? Explain with Sketches.

Q4. Draw a template for the following 3D objects:-

- a) Cube
- b) Prism

Q5. What Constraints should be taken in a Design brief?

Section – B [04x10 =40 Marks]

Attempt all questions

Q6. How Space can be defined by the form explain by using examples?

Q7. What are the contents to have a good design brief?

Q8. Explain behavioral factors for designing a building?



Q9. Write the minimum standard sizes for all the 6 residential components in a tabular form? All sizes should be in millimeters.

Section – C [02×20 =40 Marks]

Attempt all questions

Q10 Draw a **Plan, Front Elevation** and **Section** for **Standard room layout** with **dimensions and section line**. Mention all dimensions in millimeters.

Q11. What is Building Orientation? What are the factors which affect the orientation of a building? Explain with sketches.