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**BIDIDC 262**

**Credit Based IV Semester B.Sc. (ID & D) Examination, September 2022  
(New Syllabus) (2015 – 16 Batch Onwards)  
ENVIRONMENTAL DESIGN**

Time : 3 Hours

Max. Marks : 80

***Instructions :*** Give detailed instructions. Draw **neat sketches wherever necessary.**

**PART – A**

Answer **any three** of the following questions.

**(12×3=36)**

1. Explain the sun path diagram and its uses.
2. Explain the thermal balance equations for a buildings.
3. Explain the various elements of a climate.
4. Distinguish between micro climate and a macro climate.

**PART – B**

Answer **any four** of the following questions.

**(6×4=24)**

5. Explain the proper air flow through the buildings.
6. Explain Munsell system in coloured light.
7. Explain the various shading devices.
8. List all the principles of light.
9. Explain the various functions of a ventilation.

**PART – C**

Answer **any five** of the following questions.

**(4×5=20)**

10. Illumination.
  11. Wind pattern.
  12. Conductivity.
  13. Air conditioning.
  14. Solar gains.
  15. Trade winds.
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