

# TEST SERIES 1

**Subject Code: 4300005**

**Date: 2025-04-25**

**Subject Name: BASICS OF COMPUTER SCIENCE**

**Time Duration: 14.0 minutes**

**Total Marks: 14**

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## Instructions:

1. Stable Internet Required: Ensure a good connection.
  2. Use Allowed Devices: Only a laptop/PC; no mobile phones or smartwatches.
  3. No Switching Tabs: Changing windows may lead to disqualification.
  4. Answer all questions within the given time limit. No extra time will be provided.
  5. Submit the exam before the deadline, as responses will not be accepted afterward.
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### 1. In a HAWT, the rotor shaft is aligned in which direction ?

- ☒ Horizontal ☐ Vertical ☐ Diagonal ☐ Perpendicular to wind Flow

2

### 2. What does HAWT stand for ?

- ☒ Horizontal Axis Wind Turbine  
☐ Horizontal Axis Wind Tubeline  
☐ Horizontal Airflow wind Turbine  
☐ Hybrid Axis Wind Technology

2

### 3. Which is the most common material used for modern HAWT blades ?

- ☐ Carbon Fibre  
☒ Fibreglass - reinforced plastic  
☐ Pure aluminium  
☐ Titanium Alloy

2

### 4. The biggest pollutant receptor or sink on the earth is

- ☒ Hydrosphere ☐ Lithosphere ☐ Atmosphere ☐ Biosphere

2

### 5. As per IS Code, the acceptable noise level in urban residential area is

- ☒ 35-45 dBA ☐ 45-55 dBA ☐ 30-40 dBA ☐ 40-50 dBA

2

### 6. Which is the largest ecosystem on the earth ?

- ☐ Forests ☒ Sea ☐ Deserts ☐ Grasslands

2

### 7. In biogas plant, digestion takes place in the absence of

- ☒ Oxygen ☐ Carbon dioxide ☐ Hydrogen ☐ Methane

2

