

BHARATI VIDYAPEETH INSTITUTE OF TECHNOLOGY
Question Bank (I-Scheme)

Name of subject: **Building Planning & Drawing**
Subject code: **22405**

Unit Test: I
Course: CE
Semester: IV

Unit 1 (Conventions & symbols)

2 Marks

1. Draw Graphical Symbols for
(1) Concrete (2) Wood work (3) Sliding door (4) UCR Masonry.
2. Draw neat sketches for following lines
Section line (2) Hidden line (3) Dimension line (4) Extension line
3. Draw graphical symbols for,
1) Stone masonry 2) Brick masonry 3) Single shutter double swing door 4) Glass
4. Draw any four types of lines used in civil engineering drawing.
5. Draw conventional symbol for Sink, washbasin, Bed, double bed

4 Marks

1. State any 4 point of using IS 962.

Unit II (Planning of Building)

2 Marks

1. Define orientation and grouping Principles of Planning.
2. State the importance of site plan and openings schedule in civil engineering drawing.
3. Define “Grouping” how you will use it for residential building.

4 Marks

1. Write any four purposes of construction notes and any two purposes of north
2. Explain important rules and byelaws of sanctioning authorities for Construction in rural area.
3. Define :
 - (i) Plot Area
 - (ii) Carpet Area
 - (iii) Plinth Area
 - (iv) Floor Area
4. Define ‘Privacy’. State its type and state methods of achieving ‘privacy’ during planning Of a building.
5. Explain with examples principle of sanitation with cleanliness, ventilation and light.

Unit V (Perspective drawing)

2 Marks

1. Give the necessity of perspective drawing..
2. State principles of perspective view.

3. Define perspective view, picture plane.
4. Define station point, true height

4 Marks

Figure No. 2 shows a plan and elevation of small object. Draw the two point perspective view of the object to suitable scale taking S.P. at a distance 3 m along the central visual ray. Assume eye level is at 1.50 m above G.L. The base block of pillar makes an angle of 30° with the P.P. and touches the same at A.

