

Total number of printed pages – 3

B. Arch
PEAR 8406

Eighth Semester Examination – 2008

BARRIER FREE ENVIRONMENT

Full Marks – 70

Time : 3 Hours

Answer Question No. 1 which is compulsory
and any **five** from the rest.

The figures in the right-hand margin
indicate marks.



1. Write *two* sentences on the following : 2 × 10
 - (a) Barrier free environment
 - (b) Accessibility
 - (c) Types of disabilities
 - (d) Accessories for disabilities

- (e) 'Handicapped', 'Disabled' or 'differently enabled'
- (f) Curb ramps
- (g) Character specification for signage
- (h) International Symbol for disability
- (i) Bollards
- (j) Types of preferred doors.

What do you understand by 'Universal Design' or 'Inclusive Design' ? Comment on the preferred usage between the two words 'Universal' and 'Inclusive' as to which one should be appropriate. What are the 7 principles of 'Inclusive Design' ? 10

3. Explain with neat sketches the hierarchy of design areas within a shopping mall to be considered while making it barrier free. 10
4. Explain in detail, the design considerations for vertical modes of movement to be used primarily by a wheelchair user and a blind person. 10

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5. Explain through sketches, Corridors of a school building. 10
 6. Write in detail on the duality of Indian scenario for enforcing laws to regulate Barrier-free guidelines for architects. 10
 7. Explain through sketches on Anthropometry in guiding designs for barrier free considerations. 10
 8. Write about the importance of studying Barrier-free environment citing the example of Hospitals. 10
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