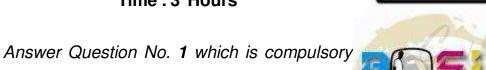
Total number of printed pages – 3 B. Arch
PEAR 8406

Eighth Semester Examination – 2008

BARRIER FREE ENVIRONMENT

Full Marks - 70

Time: 3 Hours



The figures in the right-hand margin indicate marks.

and any five from the rest.

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

enabled'

'Handicapped', 'Disabled' or 'differently

- (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'?

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

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Contd.

P.T.O.

- Explain through sketches, Corridors of a school building.
- Write in detail on the duality of Indian scenario for enforcing laws to regulate Barrier-free guidelines for architects.
- 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.

— Hom

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