



KD-6045
B. Arch. IV (Sem. VII) Examination
December - 2012
ARC - 704 : Advanced Services

Time : 2 Hours]

[Total Marks : 50

Instructions :

(1)

<p>नीचे दशांशवले निशानीवाणी विगतो उत्तरवही पर अवश्य लपखी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : B. ARCH. IV (SEM. VII)</p> <p>Name of the Subject : ARC - 704 : Advanced Services</p> <p>Subject Code No. : 6 0 4 5 Section No. (1, 2,.....) : Nil</p>	<p>Seat No. : □ □ □ □ □ □</p> <p style="text-align: center;">Student's Signature</p>
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- (2) Figures on the right indicate full marks.
- (3) Descriptive answer to be written points wise only.
- (4) Support your answers with neat sketches wherever needed.

1 Fill Up

10

- 1) Intelligent building is a building that uses the latest advances in information technology, to enhance the way a building can work and upgrade standards of performance & profitability through _____ in _____ of the building.
- 2) CCMS helps in monitoring all building services like HVAC, lighting and _____ from a central control station.
- 3) As all intelligent building systems are based on computerized _____ and _____, it is extremely necessary to have stabilized power supply and low ambient temperatures using cooling systems.

- 4) In smaller building structures wireless technology can simplify BAS by eliminating wiring circuits between _____ & _____.
- 5) Energy savings to the tune of _____ %age is possible with the help of BAS.
- 6) Metal detectors work on the principle of _____ detection.
- 7) _____ access controls work on the principle of identification by unique finger prints.

2 (A) Discuss the role of risk assessment survey and analysis in designing security plan of an establishment. **10**

OR

(A) Discuss different types of biometric type electronic access control systems. **10**

(B) Discuss the four key concepts in CPTED briefly. (Crime prevention through environmental design). **5**

3 (A) Name the four services that can be integrated by centrally controlled monitoring systems (CCMS) in an intelligent building to save energy. Briefly explain how each of them could optimize energy consumption. **10**

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(B) Write short Notes: (Any three)

1. BEMS (Building Energy Management Systems)
2. Different defensive tiers or rings of defense meant for a high security campus.
3. Type of criminal Threats for a building premise.
4. Types of fences for perimeter security.