**AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)**
**Department of CSE**
**Computer-Aided Design and Drafting**

**Section: L**
**Report No: # 07 (Handwritten)**
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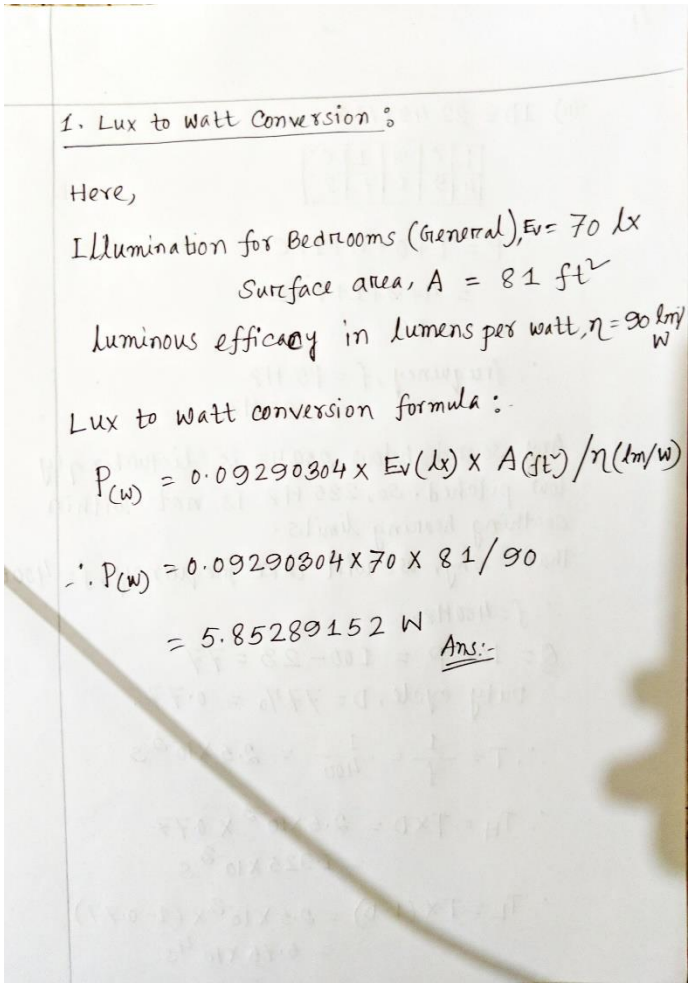
1.



2.

Table-8.1.18 : Minimum Number of 13 A flat pin Socket Outlets

| Location | No. of Switch Socket Outlets |
|---|---|
| Bed room | 2 |
| Living room | 3 |
| Drawing room | 3 |
| Dinning room | 1 |
| Toaster/Snack toaster | 1 |
| Kitchen | 1 |
| Bathroom | 0 |
| Verandah | 1 |
| Refrigerator | 1 |
| Air-conditioner | One for each room |

Table – 8.1.20 : Recommended Fan Sizes in Rooms

| Room Area ($m^2$) | Fan Sweep |
|---|---|
| Up to 6 | 915 mm |
| Over 6 to 9 | 1220 mm |
| Over 9 to 12 | 1442 mm |

3.

Table-8.1.24: Recommended Area for Standby Generator Room

| Capacity (KW) | Area ($m^2$) |
|---|---|
| 1X25 | 20 |
| 1X48 | 24 |
| 1X100 | 30 |
| 1X150 | 36 |
| 1X300 | 48 |
| 1X500 | 56 |

AC calculation (Walton Website):

Condition: 1. Room Size — 58.6 sf
2. Number of Wall Exposed to sunlight - 1
3. Wall Type — Facebrick
4. Room Pasition — Top Floor
5. Number of Window — 1
6. Number of Door — 1
7. Number of People — 1

Result: Recommended Air Conditioner Capacity:
1 Ton.