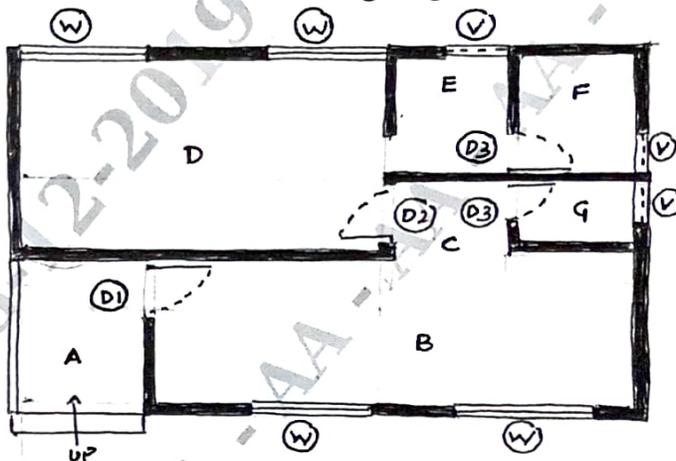


OR

- 8 a. Calculate the illumination produced at a point by an electric lamp having intensity of 3200 candles and mounted at a height of 2m. The lamp casts an angle of 60° with respect to the point. (10 Marks)
- b. Explain "LIGHT SHELF". (10 Marks)

Module-5

- 9 a. Draw an electrical layout for a Doctor's Clinic using standard notations. [Use the figure and spatial requirements for reference. Assume missing data]. (15 Marks)
- b. Make a schedule of switch boards with mounting heights. (05 Marks)



A- Porch	(2.0 × 3.0m)
B- Waiting and Reception	(6.0 × 3.0m)
C- Ante Room	(1.2 × 1.2m)
D- Consultation and Examination	(5.0 × 4.0m)
E- Store	(1.2 × 1.8m)
F- Toilet 01	(1.2 × 1.8m)
G- Toilet 02	(1.2 × 1.30m)

OR

- 10 Give a detailed note on extra low voltage system and explain their relevance and importance. (20 Marks)
