

S.No. : 137

AR 1401

No. of Printed Pages : 04

Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 10120

Roll
No.

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B. Arch. Examination 2021-22

(Even Semester)

ARCHITECTURAL DESIGN - IV

Time : 12 Hours]

[Maximum Marks : 60

- Note :-**
- (i) The examination is of 12 hours duration in two sittings of six hours each in two days.
 - (ii) The drawings completed of first day shall be left in examination hall and shall be completed and submitted on the second day of exam.
 - (iii) The students may use suitable scales for their drawings and assume any missing data.

[P. T. O.

PRIMARY HEALTH CENTRE

Preamble :

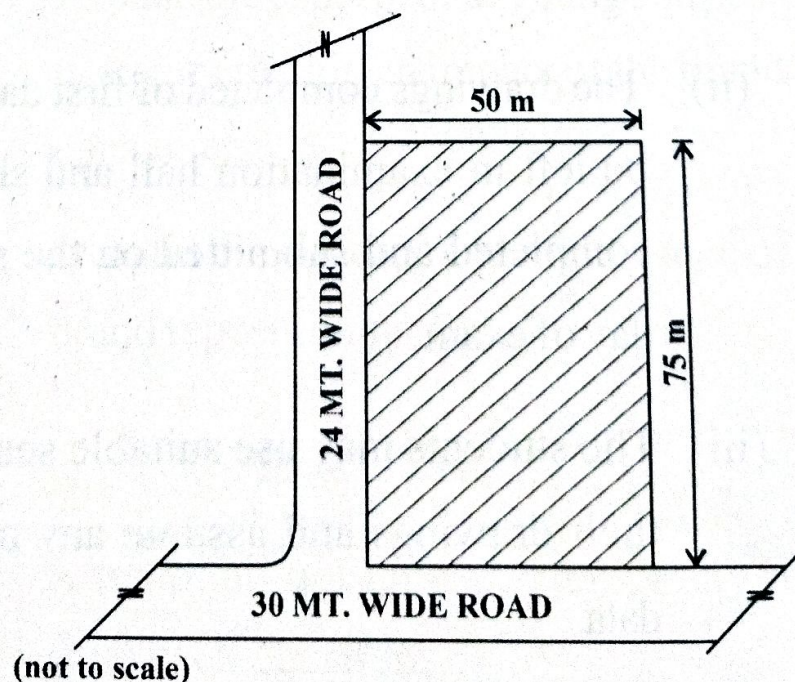
Primary health centre is the basic structural and functional unit of the public health services in developing countries.

PHCs were established to provide accessible, affordable and available primary health care to people.

PHCs generally consist of one or more doctors to lead the centre and a pharmacist, staff, nurse and other paramedical support staff.

SITE :

The site is flat rectangular piece of land, measuring $50\text{ m} \times 75\text{ m}$ with 30 mt. wide road running along its north boundary as shown in figure below :



Requirements :

1. Reception area - 15 m²
2. Waiting area - 50 m²
3. Toilets for (M & F)
4. Drinking water space
5. O. P. D.
 - Doctor's cabin (5 nos) - 25 m² each
(attached toilet)
 - Waiting area - 100 m²
6. I. P. D.
 - Wards for male (2 nos.) - 50 m² each
and female (5 beds)
 - Waiting area
 - Nursing station - 5 m²
 - Store - 10 m²
 - Toilets
7. Emergency room - 25 m²
8. Waiting area - 50 m²
9. Dispensary - 16 m²

- | | |
|-------------------------------|---------------------|
| 10. Lab | - 25 m ² |
| 11. X-ray room | - 30 m ² |
| 12. Office/Record room | - 10 m ² |
| 13. Nursing room | - 18 m ² |
| 14. Parking for staff 10 cars | |
| 15. Parking for visitors | |

Design Requirements :

- | | |
|---------------------------------|----------|
| (1) Concept | 5 Marks |
| (2) Site plan with site section | 10 Marks |
| (3) Floor plans | 20 Marks |
| (4) Sections | 10 Marks |
| (5) Elevations | 10 Marks |
| (6) View | 5 Marks |

