

S.No. : 515

AR 801

No. of Printed Pages : 06

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

PAPER ID : 00135

Roll
No.

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B. Arch. Examination 2021-22

(Even Semester)

ARCHITECTURAL DESIGN - VIII

Time : 18 Hours]

[Maximum Marks : 100

Note :— (i) The examination is of 18 hours in three sittings of six hours each in three days. The drawings completed of first day, second day shall be left in examination hall and shall be completed and submitted on the third day of exam.

(ii) The students can alter the given requirements, maximum upto 20% as per design.

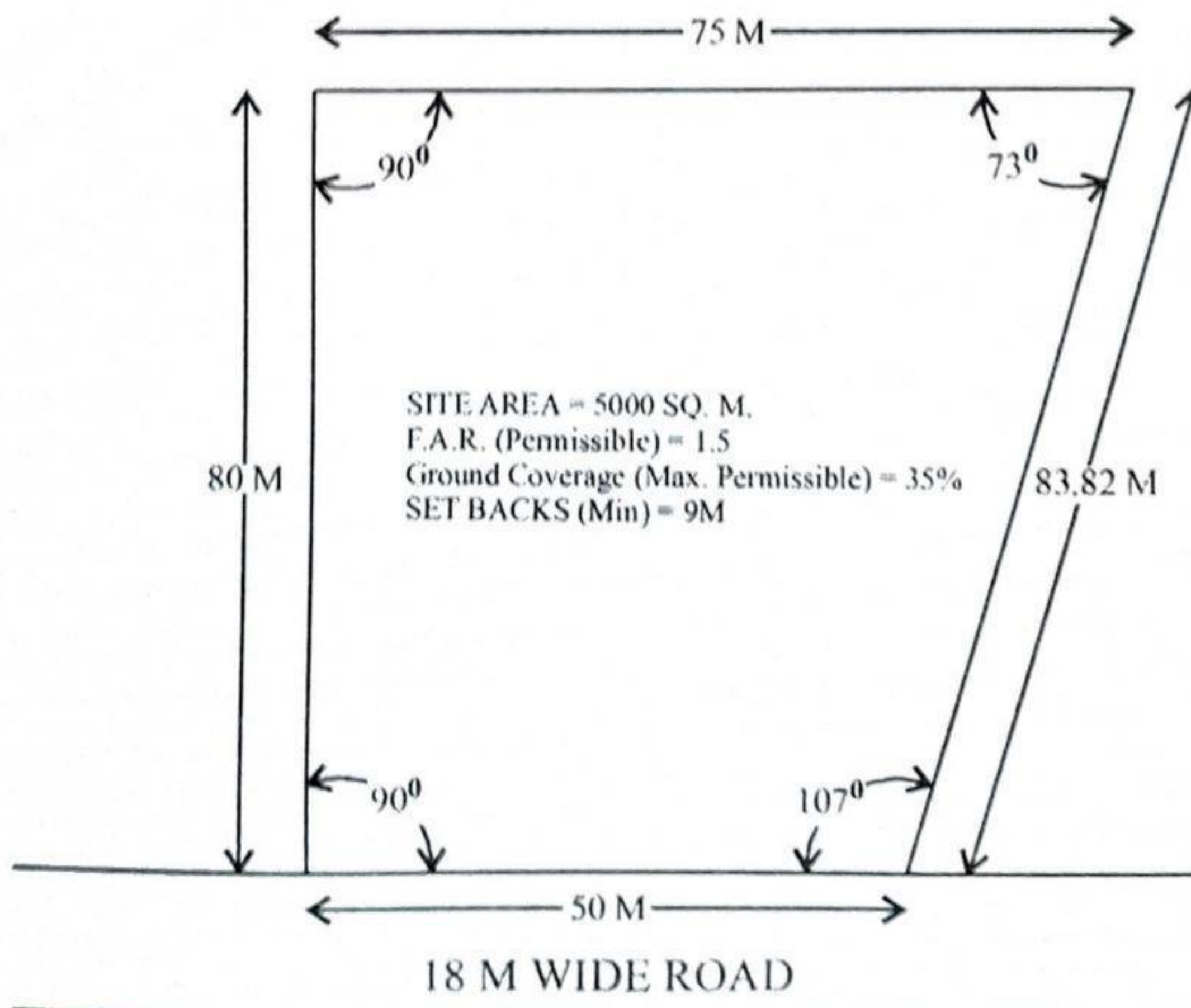
(iii) Students are expected to work out the areas analysis themselves on the basis of the functional use of the space.

[P. T. O.

PROJECT

75 Bedded Medical Care Center

To cater the needs, government of India has developed a plan to set the medical and health-care in several urban and regional centers around the country. Therefore health-care projects, requires designers, hospital consultants and architects. Architect play a key role in sensitizing the clinicians and medical care administrators regarding issues such as infection control, design of the ventilation system, planning and designing and selection of materials etc. This project is proposed in Lucknow, Gomtinagar extension :



Requirements :

Areas mentioned in Sq. M. and approximate. Students are expected to work out the areas themselves on the basis of the functional use of the space. Area per bed (M2) :

- (i) Entrance area : 4.20
- (ii) Ambulatory care area : 9.30
- (iii) Diagnostic services : 6.00
- (iv) Intermediate care area : 15.75
- (v) Intensive care area : 2.00
- (vi) Critical care area : 5.00
- (vii) Therapeutic services : 8.75
- (viii) Hospital services : 7.00
- (ix) Engineering services : 4.00
- (x) Administrative / Ancillary services : 5.00

- **EMERGENCY WARD**

- o Registration
- o Waiting lounge and amenities
- o Ward

[P. T. O.]

- o Post-operative ward
- o Mini-operation theatre

● **OUTDOOR PATIENTS' DEPARTMENT**

- o Medicines
- o Gynecology
- o Pediatrics
- o Orthopedics
- o Ophthalmology
- o ENT

● **INDOOR PATIENT'S DEPARTMENT**

- o General Ward
- o Private Ward

● **DIAGNOSTIC**

- o Blood Bank
- o X-Ray
- o Physiotherapy
- o Pathology

- **OPERATION THEATER BLOCK**

- Attendance Lounge
- Doctor's Lounge
- Sister's Lounge
- Preparation Room
- Anesthesia Room
- Pre-Operative Ward
- Post-Operative Ward

- **SERVICES**

- Dirty Linen
- Clean Linen
- AC Plant Room
- Transformer Room
- Waste Disposal Chamber

- **ICU**

- **CAFE / CANTEEN**

- **BUILDING SERVICES**

- Mechanical
- Electrical

[P. T. O.]

- o Plumbing
- o AC Plant Room
- o Transformer Room
- o Waste Disposal Chamber
- o Parking

Design Requirements :

- | | |
|-----------------|----------|
| (1) Concept | 20 Marks |
| (2) Site Plan | 15 Marks |
| (3) Floor Plans | 30 Marks |
| (4) Sections | 15 Marks |
| (5) Elevations | 15 Marks |
| (6) 3D views | 5 Marks |
