

Total No. of Printed Pages:03

SUBJECT CODE NO:- H-5055
FACULTY OF SCIENCE AND TECHNOLOGY
T. Y .Arch (Rev) (Sem-VI)
A.D. V

[Time: 1st Day-6 Hours
2nd Day-3+3 Hours
3rd Day-3+3Hours]

[Max. Marks: 100]

Please check whether you have got the right question paper.

- N.B
- 1) The candidates are instructed to submit line plans, site plan at the end of the first day. No major deviations will be allowed in the final design from the design submitted at the end of the 1st day sketch should be written in bold letters.
 - 2) The candidates are further instructed to submit the final design in the form of a portfolio binding all the drawings including sketches, tracings, and 1st Day sketches together and covering the portfolio with white sheets on both sides. The candidates shall write their examination number on the top right hand corner of the cover sheet. All the drawings in the portfolio shall carry the examination number of the candidate.
 - 3) The candidates are instructed to see that all the drawings in the portfolio are signed by the invigilator.
 - 4) Your design paper will be assessed as a whole.
 - 5) Assume suitable data wherever possible and mention it clearly.

Topic: GENERAL HOSPITAL

There is a need of General Hospital in every urban and semi urban areas. These medical facilities are required to be provided in separate campus. As a designer, you are asked to design it with modern facilities (advanced materials and construction technologies with building services) to fulfill General hospital. Building design requirements are as follows:

➤ **Outpatient Department**

- | | |
|---------------------------------------|----------------------|
| a) Administration and accounts | (50-60 sqm) |
| b) Reception and waiting area | (80-100 sqm) |
| c) Consulting Orthopedists cabin | (15 sqm each)- 5 nos |
| d) Visiting doctors(specialist) cabin | (15 sqm each)- 2 nos |
| e) Doctor's rest room | (25 sqm) |
| f) Nurse's/compounder's station | (40 sqm) |
| g) P.O.P. room (for Band aid) | (25 sqm)-2 nos. |
| h) Pharmacy with storage | (30 sqm) |
| i) Store room | (15 sqm) |
| j) Wash rooms | (as per the norms) |

➤ **Casualty/ Emergency entry**

- a) Casualty room (4 beds) (40-50 sqm)
- b) Attendant's cabin (with record storage) (15-20 sqm)
- c) Resident Doctor's room (self contained) (40 sqm)
- d) Examination room (20 sqm)
- e) Band aid room (20 sqm)
- f) Wash rooms

➤ **Diagnostic section**

- a) X-ray room (20 sqm)-2nos
- b) Pathology lab (30 sqm)
- c) Record room (20 sqm)
- d) Attendant's cabin (15 sqm)
- e) Wash rooms (as per norms)

➤ **ICU (Intensive care unit)**

- a) ICU for 8 patients (with nurses station) (100 sqm)
- b) Nurses rest room (15 sqm)
- c) Doctors rest room (20 sqm)
- d) Waiting space for guardians of the patients (30 sqm)
- e) Wash rooms (as per norms)
- f) Cylinder room (20 sqm)

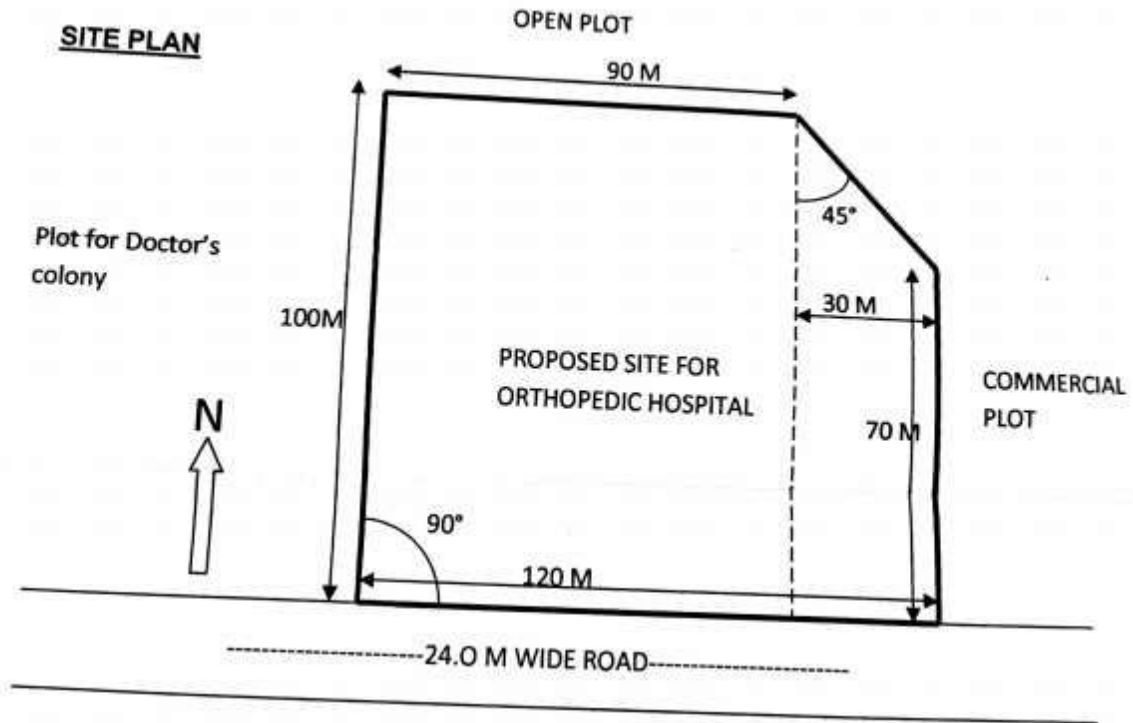
➤ **In patient department**

- a) Special deluxe room with single occupancy (attached toilet) 10 nos. (15-20sqm each)
- b) Special suits 5 nos (30-45 sqm)
- c) Semi deluxe room with double occupancy (attached toilet) 10 nos. (25 sqm each)
- d) General ward with wash rooms for 8 patients (2 nos.)
- e) Store (25-30 sqm)
- f) Pantry (15-20 sqm)

➤ **Operation theatre**

- a) Operation theatre (2 nos.) (25 sqm each)
- b) Preparation room (20 sqm)
- c) Patient's room (2 nos.) (15 sqm)
- d) Stretchers area (for 4 nos.) (20 sqm)
- e) Wash room for the doctor

➤ **Cafeteria (for 50 people)**, with kitchen, store, washing area, seating area, pantry , goods unloading platform. (250-300 sqm)➤ **Parking area (as per the norms)**, for 2Ws, 4Ws, and Ambulance (2 nos).



Drawing requirements

- 1) Site plan – 1:500
- 2) All floor Plans- 1:100/1:200
- 3) Section (min. 2 nos) cutting through toilets/stair case- 1:100
- 4) Elevation all four sides 1:100
- 5) Interior as well as external views