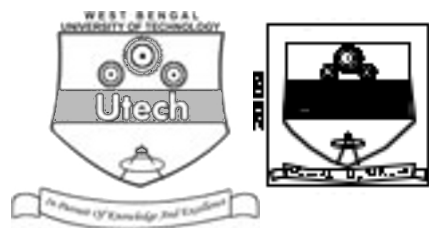


HOSPITAL PLANNING (SEMESTER - 4)

CS/MHA/SEM-4/MHA-409/09



1.
Signature of Invigilator

2.
Signature of the Officer-in-Charge

Reg. No.

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Roll No. of the
Candidate

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CS/MHA/SEM-4/MHA-409/09
ENGINEERING & MANAGEMENT EXAMINATIONS, APRIL – 2009
HOSPITAL PLANNING (SEMESTER - 4)

Time : 2 Hours]

[Full Marks : 35

INSTRUCTIONS TO THE CANDIDATES :

1. This Booklet is a Question-cum-Answer Booklet. The Booklet consists of **32 pages**. The questions of this concerned subject commence from Page No. 3.
2. a) In **Group – A**, Questions are of Multiple Choice type. You have to write the correct choice in the box provided marked 'Answer Sheet'.
b) For **Groups – B & C** you have to answer the questions in the space provided marked 'Answer Sheet'. Questions of **Group – B** are Short answer type. Questions of **Group – C** are Long answer type. Write on both sides of the paper.
3. **Fill in your Roll No. in the box** provided as in your Admit Card before answering the questions.
4. Read the instructions given inside carefully before answering.
5. You should not forget to write the corresponding question numbers while answering.
6. Do not write your name or put any special mark in the booklet that may disclose your identity, which will render you liable to disqualification. Any candidate found copying will be subject to Disciplinary Action under the relevant rules.
7. **Use of Mobile Phone and Programmable Calculator is totally prohibited in the examination hall.**
8. You should return the booklet to the invigilator at the end of the examination and should not take any page of this booklet with you outside the examination hall, **which will lead to disqualification**.
9. Rough work, if necessary is to be done in this booklet only and cross it through.

No additional sheets are to be used and no loose paper will be provided

FOR OFFICE USE / EVALUATION ONLY

Marks Obtained

	Group – A					Group – B					Group – C					Total Marks	Examiner's Signature
Question Number																	
Marks Obtained																	

.....
Head-Examiner / Co-Ordinator / Scrutineer

2009 (30/04)



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ENGINEERING & MANAGEMENT EXAMINATIONS, APRIL – 2009
HOSPITAL PLANNING
SEMESTER – 4



Time : 2 Hours]

[Full Marks : 35

GROUP – A**(Multiple Choice Type Questions)**

1. Choose the correct alternatives for any *five* of the following : 5 × 1 = 5

i) Factors considered as most important for planning a hospital is

a) geographical

b) demographic

c) institutional

d) cultural.

ii) DPR stands for

a) Detail Personal Report

b) Doctor's Patient Record

c) Detail Project Report

d) Demographic Project Report.

iii) SOP stands for

a) Standard Operating Procedure

b) Staff's Operating Procedure

c) Sister's Operating Procedure

d) All of these.

iv) BOQ stands for

a) Biological Oxygen Quantity

b) Bill Of Quantities

c) Biological Oxygen Quality

d) All of these.

v) HVAC pertains to

a) heating, ventilation, air-conditioning

b) high voltage air-conditioning

c) high voltage air-cooling

d) none of these.



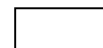
vi) Industry standard for hospital staff reserve is

a) 5%

b) 7%

c) 15%

d) 30%.



GROUP – B

(Short Answer Type Questions)

Write short notes on any *five* of the following.

5 × 2 = 10

2. Legal requirements required to start a hospital
3. Factors influencing hospital location
4. Techno-commercial feasibility
5. Functional space programme
6. Hospital traffic flow
7. Bed matrix.

GROUP – C

(Long Answer Type Questions)

Answer any *two* of the following questions.

2 × 10 = 20

8. You are asked to prepare a DPR for a proposed 100 bedded multi-speciality hospital in Kolkata. How will you proceed for that ? Describe in detail the process of preparing such DPR.
9. While planning and designing a hospital building, what are the key factors need to be considered ? Describe in brief the architectural pattern, landscaping, sanitation, lighting, ventilation, air conditioning and traffic control to be considered in designing a hospital.
10. What are the advantages and disadvantages of a horizontal and vertical structure of a hospital building ? What according to you is the better rated structure ? Justify.

END