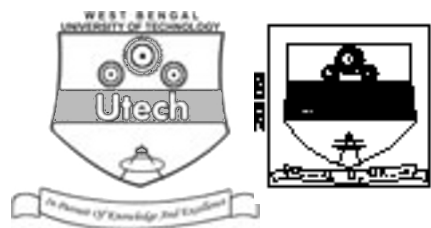


SUPPORT & UTILITY SERVICES-I (SEMESTER - 4)

CS / HM / SEM-4 / BHM-402 / 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 / HM / SEM-4 / BHM-402 / 09

**ENGINEERING & MANAGEMENT EXAMINATIONS, JUNE – 2009
SUPPORT & UTILITY SERVICES-I (SEMESTER - 4)**

Time : 3 Hours]

[Full Marks : 70

INSTRUCTIONS TO THE CANDIDATES :

- 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.
- In **Group – A**, Questions are of Multiple Choice type. You have to write the correct choice in the box provided **against each question**.
 - 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.
- Fill in your Roll No. in the box** provided as in your Admit Card before answering the questions.
- Read the instructions given inside carefully before answering.
- You should not forget to write the corresponding question numbers while answering.
- 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.
- Use of Mobile Phone and Programmable Calculator is totally prohibited in the examination hall.**
- 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**.
- 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

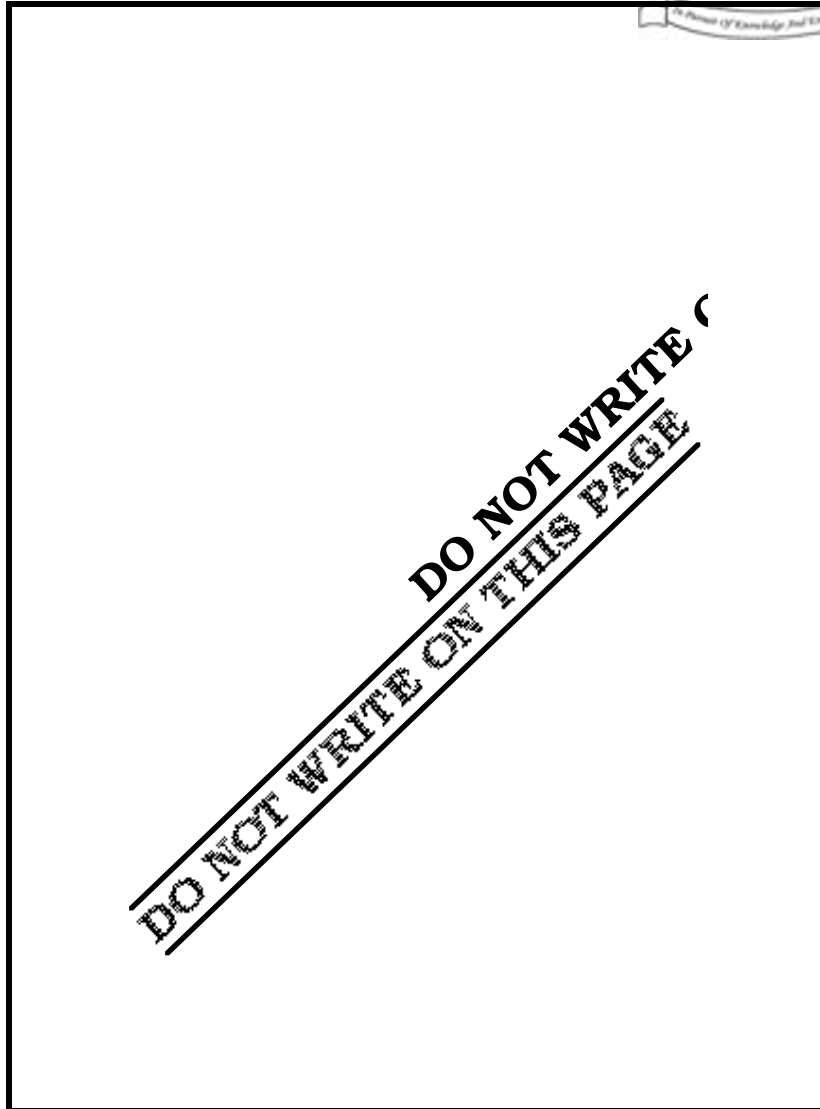
FOR OFFICE USE / EVALUATION ONLY

Marks Obtained

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

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

4493 (08/06)





ENGINEERING & MANAGEMENT EXAMINATIONS, JUNE – 2009

SUPPORT & UTILITY SERVICES-I

SEMESTER - 4



Time : 3 Hours]

[Full Marks : 70

GROUP – A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for any *ten* of the following : 10 × 1 = 10

i) A Laboratory Technician should be able to perform which of the following numbers of common/general tests per day per shift (8 hours) ?

- a) 30
- b) 20
- c) 50
- d) 60.

ii) Amount of water supply requires for patient's in 200 bed hospital is

- a) 340 liter per bed per day
- b) 450 litre per bed per day
- c) 550 litre per bed per day
- d) 650 litre per bed per day.

iii) Hospitals consuming 3-7 units of blood/bed/year having bed strength 100-400 is

- a) category I blood bank
- b) category II blood bank
- c) category III blood bank
- d) category IV blood bank.

iv) The most common form of nosocomial infection is

- a) urinary tract infection
- b) cutaneous infection
- c) surgical wound infection
- d) bacteremia.



v) An X-ray technician (Radiographer) should be able to take which of the following numbers of plain X-rays per day per shift (8 hours) ?

- a) 10
- b) 20
- c) 30-40
- d) 50.



vi) Which of the following 'waste' can not be disposed off by an incinerator ?

- a) Human anatomical waste
- b) Animal waste
- c) Pressurized gas containers
- d) Solid waste.

vii) As per norms there should a 'Sister In-charge' (Nursing Sister) for

- a) every 50 beds
- b) every 25 beds
- c) every 75 beds
- d) every 10 beds.

viii) PACS stands for

- a) Picture Analysis and Communication Systems
- b) Picture Application and Centralized Systems
- c) Picture Archival and Communication Systems
- d) Picture Administrator and Communication Systems.

ix) In a modern hospital, the amount of 'soiled linen' is usually

- a) 3-5 kg per patient per day
- b) 5-7 kg per patient per day
- c) 6-9 kg per patient per day
- d) 10 kg per patient per day.

x) The amount of medical 'waste' generated in Indian hospital is

- a) half to 4 kg per bed per day
- b) 4 to 6 kg per bed per day
- c) 7 to 9 kg per bed per day
- d) 10 to 14 kg per bed per day.

xi) The Indian Nursing Council was formed in

- a) 1949
- b) 1948
- c) 1947
- d) 1946.

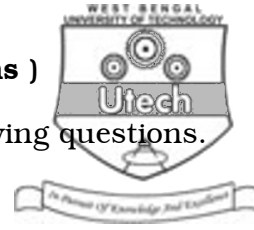


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GROUP – B

(Short Answer Type Questions)

Write short notes on any *three* of the following questions.



3 × 5 = 15

2. Transportation System in a Hospital.
3. Patient Safety.
4. Patient delight.
5. PACS.
6. Pneumatic chute
7. Office Administration.

GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following questions.

3 × 15 = 45

8. Define Hospital Acquired Infection. What are the causes of nosocomial infections and their routes of spread ? Discuss about Hospital Infection Control Program.
9. Discuss the organizational and operational planning of a hospital radiology services.
10. Why laundry services are important in hospitals ? Describe the storage conditions of a linen room. Describe the laundry process and the equipment used.
11. "A good house-keeping is an asset which no hospital can afford to neglect." Discuss.

=====
END