

# SYSTEMIC CONDITIONS & THE EYE ( SEMESTER - 6 )

**CS/B.OPTM/SEM-6/BO-601/09**



1. ....  
Signature of Invigilator

2. .... **Reg. No.**

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**Roll No. of the Candidate**

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**CS/B.OPTM/SEM-6/BO-601/09**  
**ENGINEERING & MANAGEMENT EXAMINATIONS, JUNE – 2009**  
**SYSTEMIC CONDITIONS & THE EYE ( SEMESTER - 6 )**

Time : 3 Hours ] [ Full Marks : 70

**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 **against each question**.  
 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**

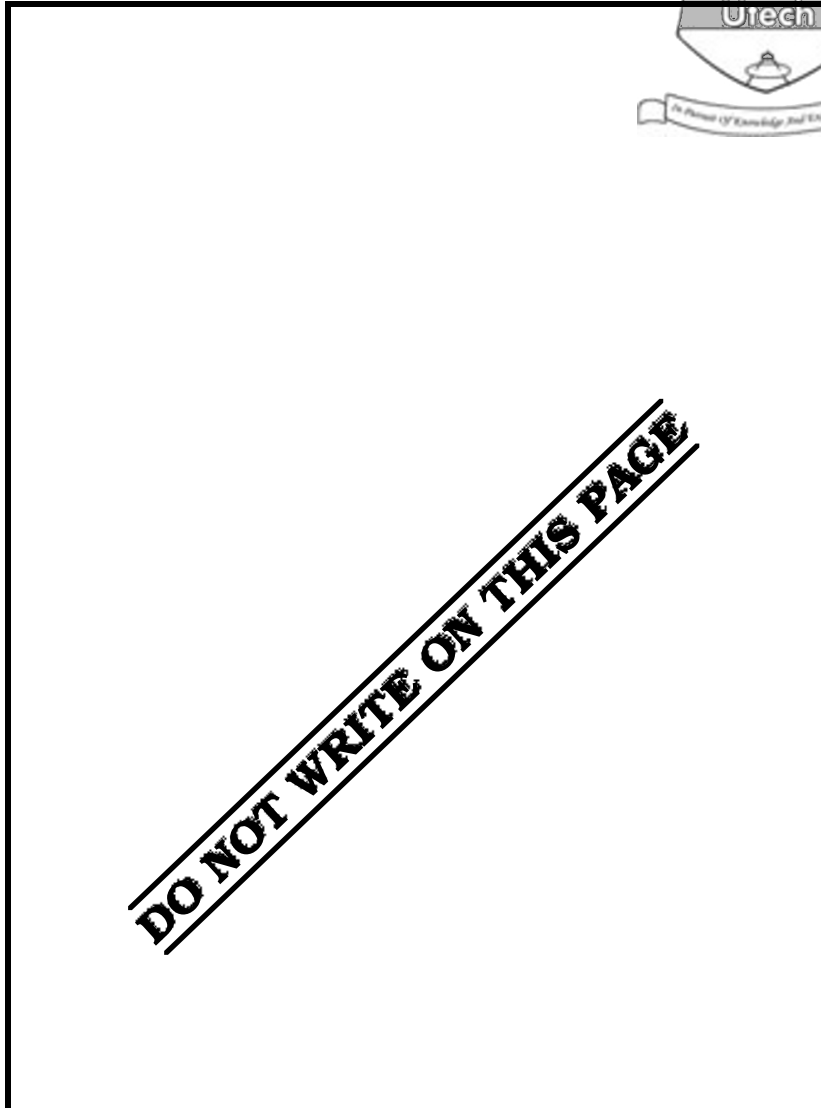
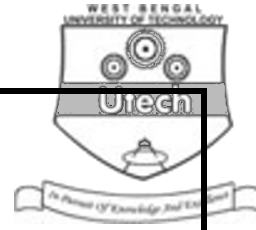
**FOR OFFICE USE / EVALUATION ONLY**

Marks Obtained

Question Number	Group – A								Group – B				Group – C				Total Marks	Examiner's Signature
<b>Marks Obtained</b>																		

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

**6638 (03/06)**





**ENGINEERING & MANAGEMENT EXAMINATIONS, JUNE – 2009**  
**SYSTEMIC CONDITIONS & THE EYE**  
**SEMESTER - 6**



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) Mutton fat KPS is seen in
- |                      |                         |                          |
|----------------------|-------------------------|--------------------------|
| a) Malaria           | b) TB                   |                          |
| c) Neurofibromatosis | d) Thyroid eye disease. | <input type="checkbox"/> |
- ii) Neo-vascular glaucoma is due to
- |                    |                     |                          |
|--------------------|---------------------|--------------------------|
| a) hyphema         | b) uveitic glaucoma |                          |
| c) rubeosis iridis | d) BDR.             | <input type="checkbox"/> |
- iii) Myocardial infarction is a complication of
- |                               |                        |                          |
|-------------------------------|------------------------|--------------------------|
| a) hypertensive heart disease | b) thyroid             |                          |
| c) rheumatoid arthritis       | d) multiple sclerosis. | <input type="checkbox"/> |
- iv) Hypertrophy is
- |                          |                            |                          |
|--------------------------|----------------------------|--------------------------|
| a) increase in cell size | b) increase in cell number |                          |
| c) increase in DNA       | d) increase in mitosis.    | <input type="checkbox"/> |
- v) Pupil sparing 3rd nerve palsy is seen in
- |             |                  |                          |
|-------------|------------------|--------------------------|
| a) trauma   | b) tumours       |                          |
| c) diabetes | d) papilloedema. | <input type="checkbox"/> |
- vi) Gene responsible for Retinoblastoma is
- |          |          |                          |
|----------|----------|--------------------------|
| a) 6q12  | b) 14q13 |                          |
| c) 13q14 | d) 12q6. | <input type="checkbox"/> |

<b>6638 (03/06)</b>
---------------------



vii) In neurosyphilis, most characteristic eye sign is

- |                             |                           |
|-----------------------------|---------------------------|
| a) Optic atrophy            | b) Argyll Robertson Pupil |
| c) Internal ophthalmoplegia | d) None of these.         |

viii) Ocular Albinism is

- |                         |                        |
|-------------------------|------------------------|
| a) Autosomal dominant   | b) Autosomal recessive |
| c) Sex linked recessive | d) None of these.      |

ix) Major manifestations of rheumatic heart disease are all *except*

- |                        |                   |
|------------------------|-------------------|
| a) Carditis            | b) Polyarthritits |
| c) Erythema marginatum | d) Fever.         |

x) Severe hypertension occurs when systolic/diastolic blood pressure ( mm of Hg ) is

- |              |             |
|--------------|-------------|
| a) > 130/85  | b) > 140/90 |
| c) > 160/100 | d) 180/110. |

xi) Drug(s) used in thyrotoxicosis is / are

- |                      |                  |
|----------------------|------------------|
| a) Propyl thyouracil | b) Carbimazol    |
| c) Propranolol       | d) All of these. |

**GROUP – B**

**( Short Answer Type Questions )**

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

3 × 5 = 15

2. Ocular features of Vitamin A deficiency.
3. Distinction between benign and malignant neoplasms in a tabular format.
4. Optic nerve glioma.
5. Management of a hypertensive patient.
6. Sub-acute bacterial endocarditis.

**6638 (03/06)**



5

**GROUP – C**

**( Long Answer Type Questions )**

Answer any *three* questions.



3 × 15 = 45

- 7. What are the clinical features of retinoblastoma ? How would you investigate and manage the case ? 5 + 5 + 5
- 8. Enumerate different connective tissue disorders. What are the ocular manifestations of rheumatoid disorders ? What are the treatments in these cases ? 6 + 5 + 4
- 9. What are the different general clinical features of hypothyroidism ? What are the different ocular features of Graves disease ? How would you treat the case ? 5 + 5 + 5
- 10. What are the risk factors of diabetes mellitus ? What are the different general and ocular manifestations of diabetes mellitus ? What are the long term and short term complications ? How would you manage a case of diabetes mellitus ? 2 + 3 + 5 + 5
- 11. Discuss the pathology & clinical features of Pulmonary TB. Mention the ocular features of TB. 3 + 5 + 7

=====  
END