



Name :
Roll No. :
Invigilator's Signature :

CS/B-OPTM/SEM-6/BO-601/2011

2011

SYSTEMIC CONDITIONS & THE EYE

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP - A

(Objective Type Questions)

1. Answer any *ten* of the following questions : $10 \times 1 = 10$

A) Fill in the blanks :

- i) The organism causing leprosy is called
- ii) "Caseation" is a feature of

B) Choose the correct alternatives for the following :

iii) Multiple sclerosis, is an example of disease/ disorder.

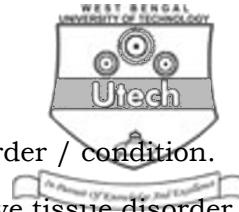
- a) genetic disorder b) demyelinating disease
- c) phacomatosis d) malignancy.

iv) In tuberculosis, stain is used.

- a) Eosin stain b) Zeil-Neilson stain
- c) Fluorescein stain d) None of these.

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[Turn over



- v) Neurofibromatosis is a disorder / condition.
 - a) Genetic disorder
 - b) Connective tissue disorder
 - c) Tropical disease
 - d) Phacomatosis.
- vi) Down's syndrome is an example of
 - a) phacomatosis
 - b) genetic disorder
 - c) connective tissue disorder
 - d) complication of tuberculosis.
- vii) drug commonly causes drug induced toxic amblyopia.
 - a) Anti-hypertensive drugs like amlodipine
 - b) Drugs used in treatment of thyroid disease
 - c) Anti-diabetic drugs like Metformin
 - d) Anti-tuberculosis drugs like ethambutol.
- viii) All are features of Central Retinal Artery occlusion *except*
 - a) cherry red spot at macula
 - b) retinal oedema
 - c) multiple superficial retinal haemorrhage
 - d) marked narrowing of arterioles.
- ix) Atherosclerosis means
 - a) thickening of arterial wall
 - b) liquifaction of blood
 - c) lack of blood circulation
 - d) gangrene.



C) Fill in the blanks :

- x) Bitots spots may be found in vitamin deficiency.
- xi) Classical visual field defect found in chiasmal lesions is

GROUP – B

(Short Answer Type Questions)

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

3 × 5 = 15

2. a) Diabetic ketoacidosis.

OR

- (b) Effects of hypoglycemia.

- 3. Optic tract lesions.
- 4. Sturge - Weber syndrome
- 5. Complications commonly found in a long standing, untreated patient of leprosy.

GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following. 3 × 15 = 45

6. Discuss diabetes mellitus under the following heads :

- a) Pathophysiology
- b) Complications and management. 5 + 10

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7. a) Write about clinical ocular findings in severe proliferative diabetic retinopathy.
- b) Write on medical management of a diabetic patient (medicines that he may take, tests he should do, foot care & eye care). 5 + 10
8. a) Discuss grading and staging of cancer.
- b) Mention names of any 3 types of cancers related to the eye (names only).
- c) Discuss the clinical ocular findings and management of any one type of cancer related to the eye. 3 + 3 + 9
9. a) Name any three connective tissue disorders that can affect the eye (names only).
- b) Discuss the clinical features and management of any one such condition. 3 + 12
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