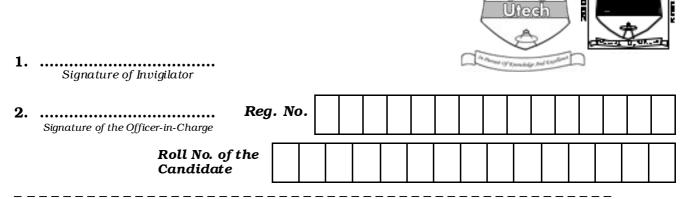
### APPLIED OPTOMETRY & ORTHOPTICS (SEMESTER - 6)

#### CS/B.OPTM/SEM-6/BO-606/09



CS/B.OPTM/SEM-6/BO-606/09

**ENGINEERING & MANAGEMENT EXAMINATIONS, JUNE - 2009** 

#### APPLIED OPTOMETRY & ORTHOPTICS (SEMESTER - 6)

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.
- 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.
- You should return the booklet to the invigilator at the end of the examination and should not take any 8. 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

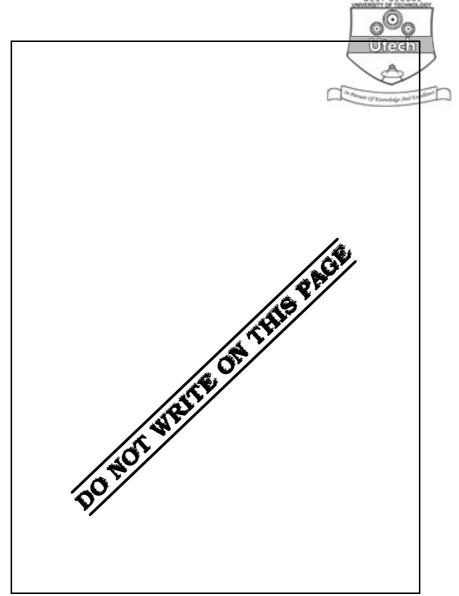
Marks Obtained

Group – A			Gro	up –	В	Gro	oup -	- C						
Question Number													Total Marks	Examiner's Signature
Marks														
Obtained														

Head-Examiner/Co-Ordinator/Scrutineer

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# ENGINEERING & MANAGEMENT EXAMINATIONS, JUNE 2009 APPLIED OPTOMETRY & ORTHOPTICS

**SEMESTER - 6** 

Time: 3 Hours [ Full Marks: 70

#### **GROUP - A**

#### ( Multiple Choice Type Questions )

1.	Choo	se the	correct alternatives for any ten of the following:	10 ∞ 1 = 10
	i)	Hirso	chberg test is used to detect	
		a)	Heterophoria	
		b)	Heterotropia	
		c)	Diplopia.	
	ii)	TNO	Random Dot test is done to detect	
		a)	Stereopsis	
		b)	Fusion	
		c)	Diplopia.	
	iii)	Keste	enbum's limbus motility test is done to assess	
		a)	Ductions	
		b)	Versions	
		c)	Diplopia.	
	iv)	Bielc	howsky's head tilt test is done to differentiate	
		a)	SO palsy of one eye and SR palsy of contralateral eye	
		b)	LR palsy of one eye and IO palsy of contralateral eye	
		c)	LR palsy of one eye and MR palsy of contralateral eye.	

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v)



M	addox rod measures	4
a)	heterophoria for distance	

b) heterophoria for near

c)	IPD.
C)	IID.



:)	In Hirschberg test,	commod moffers in a	+		Ctuchiamira	:-
VII	THE THIS CHOCK LEST.	corneal renex is a	i bubii margin	nasanv.	Strabishius	-18
,		00111000 1011011 10 0	. P . P		2 01 000 10111 010	

a) 15° esotropia b) 30∆ exotropia

30° exotropia c)

None of these. d)

Intrusion, ....., & ...... are the primary, secondary & tertiary vii) actions of superior oblique muscle respectively.

Adduction & Depression a)

b) **Elevation & Adduction** 

Depression & Abduction c)

d) Depression & Adduction.

Paresis of inferior oblique muscle will give rise to viii)

> Face turn a)

b) Chin elevation

c) Head tilt d) All of these.

ix) Cheiroscope is used in the treatment of

> a) Suppression

**ARC** b)

Amblyopia c)

d) all of these.

The 4 ▲base out prism is used to diagnose X)

> a) Suppression

b) Diplopia

c) Relative fusional vergence

none of these. d)

xi) False projection is present in

> a) Infantile esotropia

b) Accommodative esotropia

Duane's syndrome. c)

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## GROUP – B

#### ( Short Answer Type Questions )

Write short notes on any three of the following

 $3 \propto 5 = 15$ 

- 2. Bielchowsky Head Tilting Test.
- 3. Abnormal head postures.
- 4. Prism cover test.
- 5. Hess chart.
- 6. Suppression.

#### **GROUP - C**

#### (Long Answer Type Questions)

Answer any three of the following.

 $3 \propto 15 = 45$ 

- 7. Classify amblyopia. How will you proceed to investigate such case ? What is near penalisation ? 5+5+5
- 8. Discuss the uses of syneptophore. What is Park's 3-step test? How is Hess screen used to assess the faulty extraocular muscle? 5 + 5 + 5
- 9. Classify strabismus. What is heterophoria? Discuss the tests done to detect heterophoria for distance and near.
- 10. Discuss in brief intermittent exotropia and infantile esotropia. What are the characteristics of dissociated vertical deviation? 5 + 5 + 5
- 11. Classify paralytic strabismus. Briefly mention how you will investigate such a case. Explain 'Duane's Retraction Syndrome'. 5 + 5 + 5

**END** 

6879 (15/06)