

APRIL 2001

[KD 1571]

Sub. Code : 3114

DIPLOMA IN OTO-RHINO-LARYNGOLOGY  
EXAMINATION.

(New Regulations)

Part I

Paper I — BASIC SCIENCE IN RELATION TO ENT

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the anatomy of the middle ear and the physiological role of tympanic membrane and ossicles in the conduction of sound impulses. (25)
  2. Describe the various theories of Olfaction. Mention the various tests to evaluate the sense of olfaction objectively. (25)
  3. Write briefly on : (5 × 10 = 50)
    - (a) Vidian nerve
    - (b) Paraglottic space and its surgical importance
    - (c) Role of infection by anaerobic organisms in ENT practice
    - (d) Otolith organs
    - (e) Waldeyer's ring.
-

**NOVEMBER 2001**

**[KE 1571]**

**Sub. Code : 3114**

**DIPLOMA IN OTO-RHINO-LARYNGOLOGY  
EXAMINATION.**

**(New Regulations)**

**Part I**

**Paper I — BASIC SCIENCES IN RELATION TO ENT**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. Describe in detail with diagram the surgical anatomy of various deep spaces of the neck. (25)
  2. Describe briefly the various autonomic ganglions in the head and neck and mention their surgical importance. (25)
  3. Write short notes on : (5 × 10 = 50)
    - (a) Pterygopalatine fossa.
    - (b) Passavant's Ridge.
    - (c) Killian's dehiscence.
    - (d) Reinkes space.
    - (e) Bill's Bar.
-

**MARCH 2002**

**[KG 1571]**

**Sub. Code : 3114**

**DIPLOMA IN OTO–RHINO–LARYNGOLOGY  
EXAMINATION.**

**(New Regulations)**

**Part I**

**Paper I — BASIC SCIENCE IN RELATION TO E.N.T.**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. Describe surgical anatomy of PTERYGO PALATINE FOSSA. (25)
  2. Describe the physiology of PHONATION. (25)
  3. Write briefly on : (5 × 10 = 50)
    - (a) Clotting mechanism.
    - (b) Dorello's canal.
    - (c) C.P. Angle.
    - (d) Basillar membrane.
    - (e) Xylocaine.
-

SEPTEMBER 2002

[KH 1571]

Sub. Code : 3114

DIPLOMA IN OTO-RHINO-LARYNGOLOGY  
EXAMINATION.

(New Regulations)

Part I

Paper I — BASIC SCIENCES IN RELATION TO ENT

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe in details the anatomical principles of Temporal bone surgery. (25)
  2. Describe the various theories of smell and trace the olfactory pathway. (25)
  3. Write short notes on : (5 × 10 = 50)
    - (a) Delphian node
    - (b) Osteomeatal complex
    - (c) Fossa of Rosenmüller
    - (d) Sinus tympani
    - (e) Space of Gillette.
-

**APRIL 2003**

**[KI 1571]**

**Sub. Code : 3114**

**DIPLOMA IN OTO–RHINO–LARYNGOLOGY  
EXAMINATION.**

**(New Regulations)**

**Part I**

**Paper I — BASIC SCIENCE IN RELATION TO ENT**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. Describe surgical anatomy of LARYNX. (25)
  2. Describe the physiology of DEGLUTITION. (25)
  3. Write briefly on : (5 × 10 = 50)
    - (a) Sulcus vocalis
    - (b) Nerve of pterygoid canal
    - (c) Prothrombin time
    - (d) C. Diphtheria
    - (e) Newer–antifungal drugs.
-



**AUGUST 2004**

**[KL 1571]**

**Sub. Code : 3114**

**DIPLOMA IN OTO-RHINO-LARYNGOLOGY  
EXAMINATION.**

**(New Regulations)**

**Part I**

**Paper I — BASIC SCIENCE IN RELATION TO ENT**

**Time : Three hours                      Maximum : 100 marks**

**Theory : Two hours and                      Theory : 80 marks  
forty minutes**

**M.C.Q. : Twenty minutes                      M.C.Q. : 20 marks**

**Answer ALL questions.**

**Draw suitable diagrams wherever necessary.**

**I. Two Essay questions :                      (2 × 15 = 30)**

**(1) Give an account of the Endoscopic anatomy of  
the Tracheo bronchial tree.**

**(2) Discuss the pathophysiology of Facial Nerve  
lesions in the Intra-temporal part.**

**II. Write short notes on :                      (10 × 5 = 50)**

**(a) Nerve supply of External Ear.**

**(b) KTP Laser.**

**(c) Haemostatic drugs.**

**(d) Mastoid air cells.**

**(e) Corynebacterium Diphtheria.**

**(f) Osteomeatal complex.**

**(g) Stroboscopy.**

**(h) Killian's dehiscence.**

**(i) Intrinsic muscles of Larynx.**

**(j) Impedance Audiometry.**

**SEPTEMBER 2006**

**[KP 1571]**

**Sub. Code : 3114**

**DIPLOMA IN OTO-RHINO-LARYNGOLOGY  
EXAMINATION.**

**Paper I — BASIC SCIENCES IN RELATION TO ENT**

**Time : Three hours**

**Maximum : 100 marks**

**Theory : Two hours and  
forty minutes**

**Theory : 80 marks**

**M.C.Q. : Twenty minutes**

**M.C.Q. : 20 marks**

**Answer ALL questions.**

**Draw suitable diagrams wherever necessary.**

**I. Essay :**

- (1) Describe the middle ear spaces in relation to spread of cholesteatoma. (20)**
- (2) Theories of olfactions. (15)**
- (3) Osteomeatal complex. (15)**

**II. Short notes :**

**(6 × 5 = 30)**

- (a) Rinhe's space**
  - (b) Lasers in ENT.**
  - (c) Organ of corti**
  - (d) Facial recess**
  - (e) Stapedial reflex**
  - (f) Parapharyngeal space**
-



**[KR 1571]**

**Sub. Code : 3114**

II. Short notes :

(6 × 5 = 30)

**DIPLOMA IN OTO-RHINO-LARYNGOLOGY  
EXAMINATION.**

**Paper I — BASIC SCIENCES IN RELATION TO ENT**

**Common to (Candidates admitted upto 2003–04) and  
(Candidates admitted from 2004–05 onwards)**

**Time : Three hours                      Maximum : 100 marks**

**Theory : Two hours and                      Theory : 80 marks  
forty minutes**

**M.C.Q. : Twenty minutes                      M.C.Q. : 20 marks**

**Answer ALL questions.**

**Draw suitable diagrams wherever necessary.**

**I. Essay questions :**

(1) Describe theories of olfaction and its pathway. (20)

(2) Describe anatomy of inner ear and write a note on its development. (15)

(3) Development, anatomy and relations of Ethmoid Sinus. (15)

- (a) Lasers in ENT.
  - (b) Killan's dehiscence.
  - (c) Osteomeatal complex.
  - (d) Waldeyer's ring.
  - (e) Rhinomanometry.
  - (f) Fitzgerald Hallpike Test.
-

**MARCH 2008**

**[KS 1571]**

**Sub. Code : 3114**

DIPLOMA IN OTO-RHINO-LARYNGOLOGY EXAMINATION.

Paper I — BASIC SCIENCES IN RELATION TO ENT

(Common to all regulations)

**Q.P. Code : 353114**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

- I. Essay Questions : (2 × 20 = 40)
1. Describe the anatomy of pterygopalatine fossa and its surgical importance. (20)
  2. Describe the physiology of deglutition and its applied physiology. (20)
- II. Short notes on : (10 × 6 = 60)
1. Paraglottic space
  2. Impedence matching of middle ear
  3. Haemophilus influenza
  4. Mucociliary clearance of nose and PNS
  5. Inferior constrictor muscle
  6. Clotting mechanism
  7. Antifungal drugs in ENT
  8. Hyperbaric oxygen in ENT
  9. Fossa of rosenmuller
  10. Epleys manoeuvre.
-

September 2008

[KT 1571]

Sub. Code: 3114

**DIPLOMA IN OTO-RHINO-LARYNGOLOGY  
EXAMINATION.**

**Paper I – BASIC SCIENCES IN RELATION TO ENT  
(Common to all Candidates)**

*Q.P. Code : 353114*

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary.  
Answer ALL questions.**

**I. Essay questions : (2 X 20 = 40)**

1. Describe the development and surgical anatomy of ethmoid bone.
2. Describe the mechanism of equilibrium.

**II. Write short notes on : (10 X 6 = 60)**

1. Bronchopulmonary segments.
  2. Electro cochleography.
  3. Corynebacterium diphtheria.
  4. Composition and function of mucosal blanket.
  5. Interior constrictor muscle.
  6. Biochemistry of CSF.
  7. Stroboscopy.
  8. BERA.
  9. Reinke's space and its significance.
  10. Auditory pathway.
-

MARCH -2009

[KU 1571]

Sub. Code: 3114

**DIPLOMA IN OTO-RHINO-LARYNGOLOGY  
EXAMINATION.**

**Paper I – BASIC SCIENCES IN RELATION TO ENT  
(Common to all Candidates)**

*Q.P. Code : 353114*

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary.**

**Answer ALL questions.**

**I. Essay questions : (2 X 20 = 40)**

1. Describe the surgical anatomy of facial nerve.
2. Describe in detail the physiology of hearing and briefly discuss various theories of hearing.

**II. Write short notes on : (10 X 6 = 60)**

1. Osteomeatal complex.
2. Tympanic plexus.
3. Aspergillus in ENT.
4. Pseudomonas.
5. Ultrasound in ENT.
6. Physiology of taste.
7. Factors affecting wound healing.
8. Cisplatin.
9. Otoacoustic and emissions.
10. Perilymph.

\*\*\*\*\*

September - 2009

[KV 1571]

Sub. Code: 3114

**DIPLOMA IN OTO-RHINO-LARYNGOLOGY  
EXAMINATION.**

**Paper I – BASIC SCIENCES IN RELATION TO ENT  
(Common to all Candidates)**

*Q.P. Code : 353114*

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary.  
Answer ALL questions.**

**I. Essay questions : (2 X 20 = 40)**

1. Describe the development and anatomy of the middle ear.
2. Describe in detail the physiology of deglutition.

**II. Write short notes on : (10 X 6 = 60)**

1. Benign positional paroxysmal vertigo (BPPV).
2. Role of topical medications in nasal allergy.
3. Stellate ganglion block.
4. Anaerobic infections in ENT.
5. Paraglottic space and its surgical importance.
6. National programme for prevention and control of deafness (NPPCD).
7. Retropharyngeal space.
8. Ototoxic drugs.
9. Cryosurgery in ENT.
10. HIV lesions in oral cavity.

\*\*\*\*\*

March 2010

[KW 1571]

Sub. Code: 3114

**DIPLOMA IN OTO-RHINO-LARYNGOLOGY EXAMINATION**

**BASIC SCIENCES IN RELATION TO ENT**

**(Common to all Candidates)**

***Q.P. Code : 353114***

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary**

**Answer ALL questions**

**I. Essay questions :**

**(2 x 20 = 40)**

1. Describe the mechanism of hearing.
2. Describe the anatomy of nasal septum.

**II. Write short notes on :**

**(10 x 6 = 60)**

1. Pharyngeal plexus.
2. Diphtheria.
3. Membranous labyrinth.
4. Pre-epiglottic space.
5. Laryngeal web.
6. Ototoxicity.
7. Blood supply of tonsil.
8. Tuning fork tests.
9. Waldeyer's ring.
10. Referred otalgia.

\*\*\*\*\*

September 2010

[KX 1571]

Sub. Code: 3114

**DIPLOMA IN OTO-RHINO-LARYNGOLOGY (D.L.O.)  
EXAMINATION.**

**BASIC SCIENCES IN RELATION TO ENT  
Part I for Candidates admitted upto 2003-04 & Candidates admitted  
from 2008-09 onwards**

**And**

**Paper I for Candidates admitted from 2004-05 to 2007-08**

*Q.P. Code : 353114*

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary.  
Answer ALL questions.**

**I. Essay questions :**

**(2 X 20 = 40)**

1. Describe the surgical anatomy of the intratemporal course of the facial nerve.
2. Discuss the Physiology of speech.

**II. Write short notes on :**

**(10 X 6 = 60)**

1. Vestibular function test.
2. Olfactory pathway.
3. Antifungal ear drops.
4. Bone anchored hearing aids.
5. Laryngeal web.
6. Surgical anatomy of uncinate process.
7. Corynebacterium Diphtheriae.
8. Mucosal blanket.
9. Tympanic plexus.
10. Intrinsic muscles of larynx.

\*\*\*\*\*

APRIL 2011

[KY 1571]

Sub. Code: 3114

**DIPLOMA IN OTO-RHINO-LARYNGOLOGY (DLO)  
EXAMINATION  
BASIC SCIENCES IN RELATION TO ENT**

*Q.P. Code : 353114*

**Time : 3 hours  
(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

**I. Elaborate on :**

	<b>Pages (Max.)</b>	<b>Time (Max.)</b>	<b>Marks (Max.)</b>
1. Describe the mechanism and disorders related to the process of swallowing in humans.	11	35	15
2. Describe the anatomy of the tympanic membrane and ossicles of the ear. Describe the role of these structures in the mechanism of hearing.	11	35	15

**II. Write notes on :**

1. Mastoid air cell system.	4	10	7
2. Left recurrent laryngeal nerve.	4	10	7
3. Nasal cycle.	4	10	7
4. Bacteriology of chronic suppurative otitis media.	4	10	7
5. Vidian nerve.	4	10	7
6. Prussak's space.	4	10	7
7. Developmental anomalies of the nose.	4	10	7
8. Intrinsic muscles of the larynx.	4	10	7
9. Osteomeatal complex.	4	10	7
10. Rhinosporidium seeberi.	4	10	7

\*\*\*\*\*



October 2011

[KZ 1571]

Sub. Code: 3114

**DIPLOMA IN OTO-RHINO-LARYNGOLOGY (DLO) EXAMINATION  
BASIC SCIENCES IN RELATION TO ENT**

*Q.P. Code : 353114*

**Time : 3 hours  
(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

**I. Elaborate on :**

**Pages    Time    Marks  
(Max.)   (Max.)   (Max.)**

- |  |    |         |    |
|--|----|---------|----|
| 1. Describe the anatomy of the muscles acting on the Rima Glottidis. | 11 | 35 min. | 15 |
| 2. Discuss the physiology of olfaction.                              | 11 | 35 min. | 15 |

**II. Write notes on :**

- |                                       |   |         |   |
|---------------------------------------|---|---------|---|
| 1. Surgical Anatomy of Basal Lamella. | 4 | 10 min. | 7 |
| 2. Tympanic plexus.                   | 4 | 10 min. | 7 |
| 3. Nasal Decongestants.               | 4 | 10 min. | 7 |
| 4. Laryngomalacia.                    | 4 | 10 min. | 7 |
| 5. Auditory pathway.                  | 4 | 10 min. | 7 |
| 6. Elecks Gel precipitation test.     | 4 | 10 min. | 7 |
| 7. Cisplatinum.                       | 4 | 10 min. | 7 |
| 8. Composition of C.S.F.              | 4 | 10 min. | 7 |
| 9. Weber's theory of Hearing.         | 4 | 10 min. | 7 |
| 10. Pathology of angio fibroma.       | 4 | 10 min. | 7 |

\*\*\*\*\*

**April 2012**

**[LA 1571]**

**Sub. Code: 3114**

**DIPLOMA IN OTO-RHINO-LARYNGOLOGY (DLO) EXAMINATION  
BASIC SCIENCES IN RELATION TO ENT**

***Q.P. Code : 353114***

**Time : 3 hours  
(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

**I. Elaborate on :**

	<b>Pages (Max.)</b>	<b>Time (Max.)</b>	<b>Marks (Max.)</b>
1. Describe the mechanism of deglutition in detail.	16	35	15
2. Describe the Lateral wall of Nose in detail and its Surgical importance.	16	35	15

**II. Write notes on :**

1. Describe the Boundaries of Epitympanum, Antrum and its Surgical importance.	4	10	7
2. Trace Vidian Nerve and describe its Surgical importance.	4	10	7
3. Describe the Surgical importance of Little's area.	4	10	7
4. Describe Delphian Node and its Surgical importance.	4	10	7
5. Describe the Anatomy of Conus Elasticus and its Surgical importance.	4	10	7
6. Describe Reinke's Space and its Surgical importance.	4	10	7
7. Describe the importance of Saliva formation and Role in deglutition.	4	10	7
8. Describe the anatomy of Posterior Cricoarytenoid muscle and its Surgical importance.	4	10	7
9. Describe the Physiology of Phonation.	4	10	7
10. Describe Paraglottic Space and its oncological Importance.	4	10	7

\*\*\*\*\*

(LC 1571)

APRIL 2013

Sub. Code: 3114

**DIPLOMA IN OTO-RHINO-LARYNGOLOGY (DLO) EXAMINATION**

**BASIC SCIENCES IN RELATION TO ENT**

*Q.P. Code : 353114*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Describe the anatomy of nasopharyngeal tonsil and its role in childhood sleep apnea.
2. Describe the anatomy of intrinsic muscles of Larynx and discuss about voice production.

**II. Write notes on:**

**(10X7=70)**

1. Crypta magna – Anatomy, development and significance
2. Vidian nerve – Constituents and importance
3. Thumb sign – Radiological findings
4. Otomycosis – Common causative fungi
5. Baffle effect – Protective mechanisms
6. Little's area – Anatomy, components and significance
7. Radio Allersorbent Test – Procedure
8. Scala media – Anatomy
9. ESPAL – Procedure and importance
10. Anosmia – Mechanism and importance

\*\*\*\*\*

(LD 1571)

OCTOBER 2013

Sub. Code: 3114

**DIPLOMA IN OTO-RHINO-LARYNGOLOGY (DLO) EXAMINATION**

**APPLIED BASIC SCIENCES IN RELATION TO ENT**

*Q.P. Code : 353114*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Describe the anatomy of organ of Corti. Trace the auditory pathway.
2. Describe the course of recurrent laryngeal nerve, its relation and applied anatomy.

**II. Write notes on:**

**(10X7=70)**

1. Lateral wall of sphenoid sinus.
2. Sphenopalatine artery.
3. Mastoid air cells.
4. Tympanic plexus.
5. Non recurrent laryngeal nerve.
6. Perilymph.
7. Noncaseating granuloma.
8. Human papilloma virus.
9. Immunoglobulin E.
10. Topical steroids.

\*\*\*\*\*