

## Otorhinolaryngology (ENT) Syllabus of ENT 4<sup>TH</sup> and 6<sup>th</sup> semester

### EAR

1. Surgical anatomy of the ear
2. physiological consideration with special emphasis on the conduction and perception of sound
3. Audiology and vestibulometry.
4. Diseases of external auditory canal and different types of foreign bodies in the ear and their management e.g. wax and otomycosis.
5. Inflammatory disorders of middle ear ASOM and CSOM. With their complications and management.
6. Secretory otitis media, otosclerosis, Stapedectomy
7. Different types of deafness, causes and their management.
8. Vertigo – causes, investigations and management; meniers diseases and acoustic neuroma
9. Ototoxicity
10. Noise induced hearing loss
11. Methods of screening a deaf child and their rehabilitation

### NOSE AND PARANASAL SINUSES

1. Brief anatomy of the nose and paranasal sinuses.
2. Function of the nose, PNS and physiology of olfaction.
3. Common injuries of the nose and mid facial fractures
4. Epistaxis – causes, investigations and management.
5. Common diseases of nose and PNS – rhinitis (atrophic rhinitis), vestibulitis, sinusitis
6. Foreign body of nose – types and management- maggots in nose
7. Cysts and tumors of the nose and paranasal sinuses
8. Angiofibroma of the nasopharynx
9. Carcinoma nasopharynx
10. Nasal polyps, deviated nasal septum

### PHARYNX, OESOPHAGUS LARYNX

1. Brief anatomy of the pharynx and esophagus
2. Physiology of taste and deglutition
3. Functions of the sub epithelial lymphoid tissue around upper aero digestive tract
4. Common diseases of the pharynx with special emphasis on tonsils and adenoids
5. Laryngeal carcinoma, benign tumors, hoarseness, stridor and Dysphagia, their investigations and treatment.



## ENT

**TOTAL MARKS- 100**

**PASS MARKS – 50**

### MODULE OF QUESTION IN QUESTION PAPER

#### **A.THEORY – 40 MARKS**

1. PRE AND PARA SUBJECTS (ANY TWO) - 10(5X2) MARKS

Q1. ANATOMY OF TYMPANIC MEMBRANE.

Q2. MECHANISM OF MUCOCILIARY CLEARANCE NOSE & P.N.S.

Q3 PATHOLOGY OF THE TUBOTYMPANIC TYPE OF CSOM

2. OPERATIVE AND CLINICAL QUESTIONS (ANY TWO) - 10(5X2) MARKS

Q1 CORTICAL MASTOIDECTOMY – STEPS OF OPERATION, INDICATION AND COMPLICATION

Q2 CLINICAL FEATURES AND INVESTIGATION OF ANTROCHOANAL POLYP

Q3. PATCHES OVER BOTH TONSILS – TREATMENT PROTOCOLS

3. PROBLEM BASED QUESTUION - 10 MARKS

Q1. A MALE PATIENT AGED 6 YRS COMPLAINING OF HOARSENESS OF VOICE FOR 3MONTHS- ATTENDING ENT EMERGENCY WITH STRIDOR – HOW WILL YOU MANAGE SUCH A CASE? -

4. SHORT NOTES (TWO OUT OF THREE) - 10(5X2) MARKS

A) LATERAL WALL OF NOSE

B) CHRONIC RETROPHARYNGEAL ABSCESS

C) CHOLESTEATOMA

#### **B. ORAL; 10 MARKS**

A) INSTRUMENTS (TWO)

B) X-RAY, OTHER IMAGING

C) FLYING ORAL

#### **C. PRACTICAL – 30 MARKS**

A) ONE LONG CASE

- 20 MARKS

B) ONE SHORT CASE

- 10 MARKS

#### **D. INTERNAL ASSESSMENT : 20 MARKS**

4<sup>TH</sup> AND 6<sup>TH</sup> SEMESTER

- 10 MARKS

FINAL ASSESSMENT

- 10 MARKS





## Clinical

### 4<sup>TH</sup> SEMESTER

OPD = FOUR DAYS A WEEK – THREE HRS PER DAY/ ONE DAY XRAY/  
INSTRUMENTS AND ONE DAY CLINICAL APPROACH.

OT= ONE DAY A WEEK – THREE HRS

WARD/ BEDSIDE CLINICS- ONE DAY A WEEK – THREE HRS

### 6<sup>TH</sup> SEMESTER

**DIDACTIC LECTURES** = 20 CLASSES/ 45MINS DURATION

EAR = 8 CLASSES (ANATOMY, PHYSIOLOGY, DISEASES OF EXTERNAL  
EAR, CSOM, ASOM, ETC)

NOSE= 6 CLASSES (DNS POLYPOSIS, EPISTAXIS, SINUSITIS)

THROAT= 6 CLASSES (ANATOMY PHYSIOLOGY DYSPHAGIA AND  
DEGLUTTION STRIDOR TRACHEOSTOMY ETC

### **CLINICAL POSTING**

OPD = TWO DAYS A WEEK – THREE HRS PER DAY/ ONE DAY XRAY/  
INSTRUMENTS AND ONE DAY CLINICAL APPROACH. = 24HRS

OT= TWO DAYS A WEEK – THREE HRS PER DAY / OBSERVING SOME  
OPERATIONS/ 4WKS = 24HRS

GROUP DISCUSSION AND SEMINARS- TWO DAYS IN A WEEK / THREE  
HRS DURATION / 4WKS = 24HRS (HORSENESS OF VOICE,  
COMPLICATIONS OF MIDDLE EAR INFECTION, OTOSCLEROSIS,  
OTOMYCOSIS, FOREIGN BODY IN EAR, CERUMEN, OTOTOXICITY, NOISE  
INDUCED HEARING LOSS, SOM, SUBEPITHELIAL LYMPHOID TISSUE  
AROUND UPPER AERODIGESTIVE TRACT, **TRACHEOSTOMY**)



**West Bengal University Of Health Sciences****HISTORY TAKING REGISTER FOR  
OTORHINOLARYNGOLOGY**

CANDIDATES NAME	
COLLEGE ROLL NO.	
UNIVERSITY ROLL NO.	
YEAR	
SESSION	

**CASE RECORD BOOK****DEPARTMENT OF OTORHINOLARYNGOLOGY**

.....MEDICAL COLLEGE

NAME OF STUDENT	
CLASS ROLL NO.	
UNIVERSITY ROLL NO.	
UNIVERSITY REGISTRATION NO.	
SESSION	
SEMESTER	4 <sup>TH</sup> / 6 <sup>TH</sup>
REMARKS	
SIGNATURE OF TEACHER IN CHARGE	
COMMENT AND SIGNATURE OF HEAD OF DEPARTMENT	

**INSTRUCTIONS TO THE STUDENTS**

1.	HISTORY OF TEN CASES BE FULLY RECORDED FROM THE ALLOTTED BEDS IN ENT WARDS
2	THE FINDINGS AND INVESTIGATIONS SHOULD BE PERFECT AND COMPLETE AS FAR AS POSSIBLE AND THE STUDENTS SHOULD TAKE THE HELP TEACHING STFFS IN ATTAINING THIS OBJECTIVE
3.	THE STUDENT SHOULD REGULARLY BRING THIS BOOK WITH THEM TO WARD AND GET ATTENDACE OF DAILY CLINIC SIGNED BY THE RESPECTIVE TEACHER
4.	IF THE STUDENTS FACE ANY PROBLEM IN THE PURSUIT OF THEIR PRACTICAL TRAINING WHILE IN THE WARD THEY ARE ALWAYS WELCOME TO APPROACH THEIR TEACHERS WITHOUT ANY HESITATION FOR ANS AND SOLUTION



## LIST OF CLINICAL INTYRUCTIONS PROCEDURES AND DEMONSTRATIONS FOR THE STUDENTS IN THE WARDS

1.	HISTORY TAKING
2	CLINICAL EXAMINATIONS OF
	(A) NOSE AND PARANASAL SINUSES
	(B) THROAT
	(C) EAR
A	<b>NOSE AND PARANASAL SINUSES</b>
1	NASAL POLYP
2	DEVIATED NASAL SEPTUM
3	SINUSITIS
4	ATROPHIC RHINITIS
5	EPISTAXIS
6	NEOPLASMS OF THE NOSE AND SINUSES
7	ANGIOFIBROMA OF NASOPHARYNX
8	ANY OTHER SUBJECT
B	<b>THROAT</b>
1	ACUTE TONSILLITIS
2	PERITONSILLAR ABSCESS
3	CHRONIC TONSILLITIS
4	NEOPLASM OF THE TONSIL
5	LARYNGEAL PARALYSIS
6	CARCINOMA OF LARYNX
7	CARCINOMA OF ESOPHAGUS
8	ANY OTHER SUBJECT
C	<b>EAR</b>
1	FURUNCULOSIS OF THE EAR
2	PERICHONDRIITIS
3	ACUTE SUPPURATIVE OTITIS MEDIA
4	CHRONIC SUPPURATIVE OTITIS MEDIA a) Tub tympanic variety b) Atticoantral variety
5	DEAFNESS a) Conductive b) Sensorineural
6	VERTIGO
7	ANY OTHER SUBJECT



<b>MISCELLANEOUS</b>	
1	BLOOD DYSCRASIAS PRESENTING IN ENT
2	LYMPHADENOPATHY
3	RADIATION THERAPY IN RADIOTHERAPY DEPT.
4	CHEMOTHERAPY
<b>OPERATIONS ON NOSE, SINUSES AND NASOPHARYNX</b>	
1	ADENOIDECTOMY
2	NASAL POLYPECTOMY
3	SUBMUCOUS RESECTION OF SEPTUM
4	CAUTERISATION
5	SINUS WASHING
6	REMOVAL OF FOREIGN BODY
7	TRANAPALATAL APPROACH FOR REMOVAL OF TUMOUR FROM NASOPHARYNX
8	AND OTHER SUBJECT
<b>EAR</b>	
1	SYRNGING, DEWAXING
2	REMOVAL OF FOREIGN BODY
3	INCISION AND DRAINAGE OF ABSCESS
4	AURAL POLYPECTOMY
5	MASTOIDECTOMY a) Simple b) Modified radical c) Radical
6	MYRINGOPLASTY
7	TYMPANOPLASTY
8	STAPEDECTOMY
<b>OPERATION ON THROAT</b>	
1	TONSILLECTOMY
2	LARYNGOPHARYNGECTOMY
3	LATERAL PHARYNGOTOMY
4	D/L AND REMOVAL OF FOREIGN BODY
5	ESOPHAGOSCOPY
7	TRACHEOSTOMY
<b>MISCELLANEOUS</b>	
1	EXTERNAL AND ENDOSCOPIC BIOPSY
2	BRONCHOSCOPY
3	THYROIDECTOMY
4	ANY OTHER SUBJECT

EACH ITEM SHALL HAVE 5 MARKS EACH IN THEORY AND PRACTICAL.  
 AVERAGE OF ALL THE ITEMS OF PRACTICAL AND THEORY IN 4<sup>TH</sup>  
 SEMESTER AND 6<sup>TH</sup> SEMESTER SHALL BE THE PRACTICAL MARKS AND  
 THEORY MARKS OF CONTINUOUS INTERNAL ASSESSMENT

**FINAL INTERNAL ASSESSMENT OF ENT**

<b>TOTAL MARKS</b>	<b>MARKS OBTAINED</b>
THEORY - 5	
PRACTICAL-5	
TOTAL-10	

**INTERNAL ASSESSMENT OF ENT**

<b>CONTINUOUS ASSESSMENT</b>		<b>FINAL ASSESSMENT</b>		<b>INTERNAL ASSESSMENT MARKS</b>		<b>TOTAL</b>	<b>PERCENTAGE</b>
THEORY/ ORAL(a)	PRAC / CLIN (b)	THEORY/ ORAL(c)	PRAC / CLIN (d)	THEORY/ ORAL(a+c)	PRAC / CLIN (c+d)	(a+c) +(b+d)	% out of total 20 marks

<b>CONTINUOUS INTERNAL ASSESSMENT (ENT), 4<sup>TH</sup> SEMESTER</b>			
<b>ITEMS</b>	<b>MARKS</b>		<b>SIG</b>
	<b>Th.</b>	<b>Pr.</b>	
1 ANATOMY OF EAR			
2 MECHANISM IF HEARING			
3 CLINICAL AUDIOLOGY			
4 CLINICAL VESTIBULOMETRY			
5 ANATOMY OF NOSE AND PNS			
6 OLFACTION			
7 CLINICAL EXAMINATION OF NOSE			
8 ANATOMY OF TONSILS AND ADENOIDS			
9 ANATOMY OF PHARYNX AND ESOPHAGUS			
10 MECHANISM OF DEGLUTITION			
11 ANATOMY OOF LARYNX, TRACHEA AND BRONCHUS			
12 CLINICAL EXAMINATION OF THROAT (LARYNX AND TRACHEA)			
13 THEORY MCQ			

**CONTINUOUS INTERNAL ASSESSMENT (ENT)****6<sup>TH</sup> SEMESTER**

SUBJECTS	TH	PRT	SIGNATURE
14 AFFECHIOSIS OF EXTERNAL EAR			
15 CSOM AND ASOM WITH ITS MANAGEMENT AND COMPLICATION			
16 OTOSLEROSIS			
17 MIDDLE EAR EFFUSION			
18 FACIAL PALSY			
19 VERTIGO AND ITS MANAGEMENT			
20 SENSORINEURAL DEAFNESS			
21 AFFECHIOSIS OF EXTERNAL NOSE AND PNS			
22 DEVIATED NASAL SEPTUM			
23 ATROPHIC RHINITIS			
24 SINUSITIS AND NASAL POLYP			
25 EPISTAXIS			
26 DIAGNOSIS OF TONSILITIS AND ADENOIDS			
27 DISEASES OF PHARYNX AND ESOPHAGUS			
28 DISEASES OF LARYNX			
29 TRACHEA			
30 DSPHASIA			
31 HOARSENESS OF VOICE			
32 THEORY			
TOTAL MARKS IN CONYINUOUS ASSESSMENT			

PRACTICAL 1-12 IN 4<sup>TH</sup> SEMESTER AND 14- 31 IN THE 6<sup>TH</sup> SEMESTER

**ALL STUDENTS SHOULD WRITE 10 ENT CASES IN HISTORY SHEETS IN EACH SEMESTER**

