

BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY

SECOND YEAR – SEMESTER - III

PAPER IV – AMPLIFICATION DEVICES

Q.P. Code: 802354

Time: Three Hours

Maximum : 50 Marks

Answer All questions

I. Elaborate on:

(1 x 10 = 10)

1. Evolution of hearing aids in the course of time.

II. Write notes on:

(5 x 5 = 25)

1. Insertion Gain measurements.
2. Routing of signals.
3. Care and Maintenance of hearing aid.
4. Binaural Vs Monaural amplification.
5. Counseling and orienting hearing aid users.

III. Short answers on:

(5 x 3 = 15)

1. Extended low frequency amplification.
2. TILL.
3. Dual compression.
4. NAL.
5. OSPL 90.

BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY

SECOND YEAR – SEMESTER - III

PAPER IV – AMPLIFICATION DEVICES

Q.P. Code: 802354

Time: Three Hours

Maximum : 50 Marks

Answer All questions

I. Elaborate on:

(1 x 10 = 10)

1. Explain the procedure for making ear moulds.

II. Write notes on:

(5 x 5 = 25)

1. DSL.
2. Implantable hearing aids.
3. Induction loop system.
4. Acoustic feedback in hearing aids.
5. CROS hearing aids.

III. Short answers on:

(5 x 3 = 15)

1. VIOLA.
2. Syllabic compression.
3. Head shadow effect.
4. BILL.
5. Pseudo binaural amplification.

BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY

SECOND YEAR – SEMESTER - III

PAPER IV – AMPLIFICATION DEVICES

Q.P. Code: 802354

Time: Three Hours

Maximum : 50 Marks

Answer All questions

I. Elaborate on:

(1 x 10 = 10)

1. Electro-acoustic measurements of hearing aids.

II. Write notes on:

(5 x 5 = 25)

1. Hearing aid programming.
2. Trouble shooting of hearing aids.
3. Recent advances in hearing aids.
4. Hard wired systems.
5. Libby horn, reverse horn and acoustic modifiers.

III. Short answers on:

(5 x 3 = 15)

1. PILL.
2. Peak clipping.
3. Wide dynamic range compression.
4. POGO.
5. Full on gain.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0222]

**FEBRUARY 2022
(AUGUST 2021 EXAM SESSION)**

Sub. Code: 2354

**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
SEMESTER - III (Regulation 2017-2018)
PAPER IV – AMPLIFICATION DEVICES
Q.P. Code : 802354**

Time: Three hours

Answer ALL Questions

Maximum: 50 Marks

I. Elaborate on: **(1 x 10 = 10)**

1. Classification and types of hearing aid.

II. Write notes on: **(5 x 5 = 25)**

1. Troubleshooting of body level hearing aid
2. Group amplification devices
3. Real ear measurements
4. Hearing aid programming
5. Counseling of a hearing aid user

III. Short answers on: **(5 x 3 = 15)**

1. Real ear coupler difference
2. Hard earmold
3. Functional gain
4. Peak clipping
5. Batteries for behind the ear hearing aids

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1122]

NOVEMBER 2022

Sub. Code: 2354

BACHELOR IN AUDIOLOGY AND SPEECH - LANGUAGE PATHOLOGY

SEMESTER - III (Regulation 2017-2018)

PAPER IV – AMPLIFICATION DEVICES

Q.P. Code : 802354

Time: Three hours

Answer ALL Questions

Maximum: 50 Marks

I. Elaborate on:

(1 x 10 = 10)

1. Explain in brief different electro-acoustic measurements of hearing aids.

II. Write notes on:

(5 x 5 = 25)

1. Recent advances in hearing aids.
2. Hard wired systems.
3. Libby horn, reverse horn and acoustic modifiers.
4. Hearing aid programming.
5. Trouble shooting of hearing aids.

III. Short answers on:

(5 x 3 = 15)

1. Peak clipping.
2. Wide Dynamic Range Compression.
3. POGO.
4. PILL.
5. Full on gain.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1123]

NOVEMBER 2023

Sub. Code: 2354

**BACHELOR IN AUDIOLOGY AND SPEECH - LANGUAGE PATHOLOGY
SEMESTER - III (Regulation 2017-2018 onwards)
PAPER IV – AMPLIFICATION DEVICES
Q.P. Code: 802354**

Time: Three hours

Answer ALL Questions

Maximum: 50 Marks

I. Elaborate on: (1 x 10 = 10)

1. Explain the different Electro-Acoustic Measurement in Hearing Aids.

II. Write notes on: (5 x 5 = 25)

1. Infrared group Amplification System.
2. Care and Maintenance of Hearing Aids.
3. Recent advances in Hearing Aids.
4. CROS Hearing Aids.
5. Special modifications in ear mould.

III. Short answers on: (5 x 3 = 15)

1. Binaural Amplification.
2. PILL.
3. IHAF.
4. Full on gain.
5. REIG.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0424]

APRIL 2024

Sub. Code: 2354

BACHELOR IN AUDIOLOGY AND SPEECH - LANGUAGE PATHOLOGY

SEMESTER - III (Regulation 2017-2018 onwards)

PAPER IV – AMPLIFICATION DEVICES

Q.P. Code: 802354

Time: Three hours

Answer ALL Questions

Maximum: 50 Marks

I. Elaborate on:

(1 x 10 = 10)

1. Briefly describe Real Ear Insertion Measurements for Verification of Hearing Aid benefit.

II. Write notes on:

(5 x 5 = 25)

1. Hard wired systems.
2. Hearing Aid Programming.
3. Acoustic Feedback in Hearing Aids.
4. Libby horn, Reverse Horn and Acoustic Modifiers.
5. Methods of Assessing Hearing Aid Benefit.

III. Short answers on:

(5 x 3 = 15)

1. Wide Dynamic Range Compression (WDRC).
2. Total Harmonic Distortion.
3. BILL.
4. Monoaural Amplification.
5. POGO.
