

[LI 0416]

APRIL 2016

Sub. Code: 3003

**MASTER OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY
FIRST YEAR
PAPER III – SPEECH SCIENCE AND PRODUCTION**

Q.P. Code : 433003

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Automatic speech recognition and its application.
2. Explain the physiology of articulation, its instrumental evaluation and clinical application.

II. Write notes on:

(10 x 6 = 60)

1. Application of Spectrographic analysis.
2. Neuromotor mechanism for respiratory system.
3. Upper airway dynamics.
4. Application of triangular unitary mass model.
5. Application of speech coding techniques in applied research.
6. Spectrographic analysis of laterals and glides.
7. Notes on:
 - a) One mass model.
 - b) EGG model.
8. Types of respiration.
9. Stress strain relationship.
10. Infant cry analysis.
