

Q.P. Code: 104390

Reg. No.:.....

**First Semester M.Sc Speech Language Pathology Degree Special
Supplementary Examinations December 2022**

SLP 104: Technology in Speech Language Pathology

Time: 3 hrs

Max marks: 80

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays

(5x16=80)

1. State and explain the tasks performed by the operating system in the functioning of a computer. How does the number of bits of the operating system influence the performance of the computer.
2. Differentiate between moving coil and balanced armature type receivers. State and explain the essential characteristics of microphones used for recording of sound.
3. Explain the different stages involved in conversion of a digitized speech signal back to a continuous signal. List the different types of short time analysis techniques. Explain one of them.
4. Illustrate the fiber optic technology involved in endoscopes. Why fiber optics is chosen for endoscopy. How does an articulograph track the movements of articulators. Explain the basic principle.
5. Explain the basic principle of Magnetic Resonance Imaging system. How is 'C-Arm' advantageous over 'conventional X-ray's in imaging'. Explain the technology behind C-Arm.
