

B.A.S.L.P.Sem – III (2017 Course) : SUMMER - 2019

SUBJECT: AMPLIFICATION DEVICES

Day : Wednesday

Time : 10.00 AM TO 12.00 NOON

Date : 08/05/2019

S-2019-3962

Max.Marks.: 50

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Answer each section in the respective answer sheet only.
 - 4) Draw neat and labeled diagrams wherever necessary.
 - 5) Answers written in the inappropriate answer sheets will not be assessed in any case.
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SECTION – A (SAQ) 25 MARKS.

Q.1 Attempt any **FIVE** out of **SEVEN**: **(5x5=25)**

- a) Explain the WDRC circuit using input output graph used in hearing aids
- b) Describe the functioning of directional microphone using different polar pattern
- c) Describe benefits of various ear mould modification provided to children and adults with various configuration and degrees of hearing loss
- d) Compare different types of couplers used for EAC measurement
- e) Write a note on frequency compression hearing aids
- f) Describe the candidacy and functioning of different types of CROS hearing aids
- g) Describe the Preselection factors related to hearing aid fitting in adults with hearing loss

SECTION – B (LAQ) 25 MARKS.

Q.2 Attempt any **ONE** out of **TWO**: **(1x10=10)**

- a) Describe various assistive listening devices used for school going children with hearing impairment
- b) Describe the steps of real ear measurement and functional gain method of hearing aids fitting.

Q.3 Attempt any **ONE** out of **TWO**: **(1x15=15)**

- a) Describe the preselection factors and validation procedure of hearing aids fitting in young children with hearing loss
- b) Describe the parameters of Electroacoustic characteristics (EAC) of digital hearing aids

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