



**J-0201299**

Seat No. \_\_\_\_\_

**Third Year B. A. S. L. P. Examination**

**July - 2019**

**B - 3.3 : Rehabilitative Audiology**

Time :3 Hours]

[Total Marks : 80

**Instruction :** Draw well labelled diagrams wherever necessary.

**Section - A**

**(Long answer type questions)**

**(Attempt all questions : 2×15=30 Marks)**

- 1 (a) Write on the various strategies to work on with the child with (C)APD.

**OR**

- (b) What are the factors that might affect speech reading ? Explain in detail.
- 2 (a) Write on the theories of tinnitus and possible management strategies.

**OR**

- (b) Write on middle ear implant and its types based on structure and position of implant. What are the candidacy criteria need to be considered while implanting it ? Write on the contraindications of middle ear implants.

- 3 Very short answer questions : **5×2=10**

Answer following questions :

- (i) Speech tracking.  
(ii) Infrared system.  
(iii) Homophones.  
(iv) Spontaneous oto-acoustic emissions in NIHL.  
(v) Tinnitus.

## SECTION - B

4 Short answer type questions : 4×5=20

Write short notes on following : (attempt any **four**)

- (i) Group therapy.
- (ii) Classification of ALDs.
- (iii) Candidacy of cochlear implantation.
- (iv) Theories of hyperacusis.
- (v) Methods of speech reading.

5 Multiple choice questions. 20×1=20

Choose the best fitting answer :

- (1) Which of the following speech sounds are easily lips read ?
  - (A) /m/,/b/,/p/
  - (B) /p/,/b/,/d/
  - (C) /g/,/b/,/m/
  - (D) /p/,/t/,/m/
- (2) Hierarchical model of auditory training is applied on :
  - (A) Analytic training approach
  - (B) Synthetic training approach
  - (C) Pragmatic training approach
  - (D) All of them
- (3) Which one of the following is an Auditory Verbal Therapy approach ?
  - (A) Individualized therapy
  - (B) Emphasize on listening, speech, language and imitation
  - (C) Play fight
  - (D) Parents participation
- (4) Which of the following factor can be used to predict good lip reading ?
  - (A) Intelligence
  - (B) Academics
  - (C) Age of onset of hearing loss
  - (D) None of them

- (5) Dactylogy is the representation of the letters of a writing system, numerals with hand. It is also termed as :
- (A) Hand cueing (B) Finger spelling  
(C) Gesture (D) Sign language
- (6) Addition of grammar and semantics to turn the speech into comparable adult utterance without making the child realize that he is being corrected is known as :
- (A) Extension (B) Expansion  
(C) Enhancement (D) All of them
- (7) Person with hearing impairment practices to use different conversational techniques such as asking for clarification, repetition as well as maintenance of appropriate SNR based on the complexity of the message in order to achieve information via audition are examples of :
- (A) Auditory training approach  
(B) Auditory verbal therapy  
(C) Communicative strategies  
(D) All of them
- (8) Vowel auditory training that focuses on vowel contrast is based on :
- (A) F0 (B) F2  
(C) F3 (D) None of them
- (9) The movement of all articulators essential to the production of a particular sound is termed as :
- (A) Decisive aspect (B) Conclusive aspect  
(C) Revealing aspect (D) Formative aspect
- (10) In ordinary conversational speech, a speaker averages approximately 13 articulatory movements per second. The eye is capable consciously recording \_\_\_\_\_ movements per second.
- (A) 5 or 7 (B) 4 or 5  
(C) 10 or 14 (D) 8 or 9
- (11) Auditory verbal therapy is an individualized therapy approach that deals in \_\_\_\_\_ for the children who are deaf or hard of hearing and are fitted with hearing devices at an early age.
- (A) Learning through visual cues  
(B) Speaking loudly/softly  
(C) Speaking with simple language  
(D) None of them
- (12) Communication strategies unfocus on :
- (A) Enhancing SNR  
(B) Exchange of information irrespective of modalities  
(C) Smile to change the scenario  
(D) All of them

- (13) Suprathreshold hyperacusis is a type where patients have discomfort to sounds \_\_\_\_\_ when hearing sensitivity was normal.
- (A) >55dB SPL (B) <55Db SPL  
(C) <65dB SPL (D) >65dB SPL
- (14) SOAEs are much more prevalent in the higher frequency range and can appear at sound pressure levels up to \_\_\_\_\_ in the ear canal.
- (A) 45 dB SPL (B) 35 dB SPL  
(C) 65 dB SPL (D) 55 dB SPL
- (15) Which one of the following is not an Auditory Verbal Therapy approach ?
- (A) Individualized therapy  
(B) Emphasize on listening, speech, language and imitation  
(C) Natural play  
(D) Parents participation
- (16) When some nerves get damaged, artificial synapses can develop between individual auditory nerve fibers, resulting in the phase-locking of the spontaneous activity of groups of auditory neurons. This is known as :
- (A) Cross-fire (B) Cross-talk  
(C) Cross-connection (D) None of them
- (17) Federal Communications Commission authorized the use of frequencies within the \_\_\_\_\_ band as the designated radio frequencies that could be used by people with hearing loss.
- (A) 72-76 MHz (B) 72-75 MHz  
(C) 73-76 MHz (D) 72-74 MHz
- (18) 'Grade' and 'Yes' are the example of :
- (A) Homophenes (B) Homophones  
(C) Visemes (D) None of them
- (19) Frequency of infrared light falls in range of between
- (A) 500 nm to 1000+ nm (B) 700 nm to 1000+ nm  
(C) 800 nm to 1000+ nm (D) None of them
- (20) Perceptual phenomenon that demonstrates an interaction between hearing and vision in speech perception is known as :
- (A) Bounce effect (B) McGurk effect  
(C) Romberg effect (D) None of them