

(Deemed to be University under section 3 of the UGC Act 1956)

Audiology

Instructions / Note:

C. 24 to 26mm D. 1.5 to 1.8mm

- 1. Answer all the questions. Each question carries one mark.
- 2. No negative marks for wrong answers.
- 3. Read each question carefully and answer in the OMR sheet provided for each question with only blue/ black pen to fill the circles in the OMR Sheet.
- 4. Return the question paper along with the OMR sheet.

Time: 90 Minutes
Venue:
Part - B
1. The unit of intensity of sound is
A. Decibal
B. WM ⁻²
C. m/s^2
D. mm/s^2
2. Outer & inner ear develops from tissue layer
A. Endoderm
B. Epidermis
C. Surface ectoderm
D. None of the above
3. What connective tissue is inner ear?
A. Ectoderm
B. Mesoderm
C. Epithelium D. Auricular cartilage
D. Auricular cartilage
4. Length of adult ear canal is
A. 15 to 18mm
B. 2.4 to 2.6mm

[35X1=35]

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- 5. Lenticular process is a part of
- A. Malleu
- B. Incus
- C. Stapes
- D. Eustachain tube
- 6. Cuticular paltes along with upward extending processes of phalangeal and deiters cells form the
- A. Spiral lamina
- B. Reticular lamina
- C. Spiral ligament
- D. Spiral limbus
- 7. Periosteal outgrowths in the bony ear canal are called as
- A. External otitis
- B. Neoplasm
- C. Exostoses
- D. Wax
- 8. CID W-1 test used to obtain
- A. SIS
- B. SDT
- C. SRT
- D. SNR-50
- 9. Retrospective research is also known as
- A. Normative research
- B. Ex-post facto research
- C. Comparative research
- D. Survey research
- 10. A two-tailed test has
- A. *No alternative hypothesis*
- B. Directional alternative hypothesis
- C. No null hypothesis
- D. Non directional alternative hypothesis
- 11. Larynx has --- number of paired Cartilage
- A. 2
- B. 4
- C. 3
- D. 0

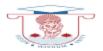


12. Which of the following muscle draws the Epiglottic Cartilage Downward?		
A. Thyroepiglottic		
B. Vocalis		
C. Sterno hyoid		
D. Omohyoid stoma13. Frequency and intensity are measurements of sound		
B. Perceptual		
C. Intuitive		
D. Reflective		
14. Pitch and loudness are measurements of sound		
A. Physical		
B. Reflective		
C. Intuitive		
D. Perceptual		
15. An increase of db corresponds to doubling of sound pressure		
A. 2		
B. 4		
C. 6		
D. 12		
16. The period of a 100 Hz tone is		
A. 1/1000 sec		
B. 1/100 sec		
C. 1/10 sec		
D. 1 sec		
17. Which of the following is associated with Cul-de-sac resonance?		
A. Hypernasality		
B. Normal nasality		
C. Weak consonant		
D. Hyponasality		
18. The sensory function of the anterior two-thirds of the tongue is supplied by cranial		
nerve		
A. Facial		
B. Trigeminal		
C. Hypoglossal		
D. Glossopharyngeal		

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- 19. SERVOX digital is
- A. Speech trainer
- B. Naso-endoscope
- C. Electrolarynx
- D. Nasometer
- 20. Which of the following is indirect technique can be used assessment of individual with cleft lip and palate?
- A. Multiview videofluroscopy
- B. Nasometry
- C. Magnetic resonance imaging
- D. Nasoendoscopy
- 21. Which of the following is paired cartilage?
- A. Thyroid
- B. Cricoid
- C. Arytenoids
- D. Epiglottis
- 22. The probability that a truly hearing impaired will fail a hearing screening test is called
- A. Reliability
- B. Specificity
- C. Sensitivity
- D. Validity
- 23. Audiology developed from the professions of
- A. Education and psychiatry
- B. Social work and speech pathology
- C. Otology and speech pathology
- D. Speech pathology and education
- 24. The entry level degree for the profession of audiology is the
- A. Master's degree
- B. Ed.D
- C. Ph.D
- D. Au.D
- 25. A life time economic burden of hearing loss computed on an average life expectancy of 71 years, the economic burden of hearing loss can exceed
- A. \$250,000
- B. \$500,000
- C. \$750,000
- D. \$1,000,000

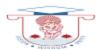


D. Prenatal hearing loss.

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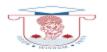
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26. The zero db reference level for most sound level meters is A. 20 dynes per cm squared B. 20 micropascals C. 0 dBD. 40 watts 27. When a sound source produces energy at more than one frequency, the result is a ______ sound A. Sinusoidal B. Simple C. Loud D. *Complex* 28. An object has one frequency at which it will vibrate its greatest amplitude. The frequency is known as A. Peak amplitude B. Resonant frequency C. Octave frequency D. Harmonic frequency 29. The unit of measurement in equal loudness contours is A. mel B. sone C. decibel D. phon 30. The perception of frequency is referred to as A. Loudness B. Tone C. Acuity D. Pitch 31. A hearing loss caused by a build-up of fluid in the ear canal could be described as a A. Sensori-neural hearing loss. B. Conductive hearing loss. C. Congenital hearing loss.



32. According to federal law, a customer may return his hearing aid to the dispenser for refund within how many days? A. 15 B. 30 C. 45 D. 60
33. What is the most popular hearing aid style used by childrenA. In the earB. Completely in the canalC. Behind the earD. In the canal
34. Hearing loss sharply reduces the that the child has and thus slows down the process of learning totalk
A. Listening experienceB. Vocal experienceC. Attention controlD. Articulatory experience
35. An adult with a moderate degree of conductive hearing loss is likely to get % scores on WRS testing
A. 10 – 20 B. 30 - 50 C. 70 – 80 D. 95 -100





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Audiology & Speech

 $Part - B ag{35x1=35}$

- 1. Mirror-fogging test is used for
 - a) To visualize the amount of nasal air escape
 - b) To check the structure of nasal cavity
 - c) To assess oral cavity
 - d) None of the above
- 2. Obligatory distortions are those that occur when, is normal, but the is abnormal.
 - a) Structure, function
 - b) function, structure
 - c) neruomuscular commands, cranial nerve
 - d) None of the above
- 3. Which of the following speech errors not seen in adults with cleft lep and palate?
 - a) Glottal stops
 - b) Nazalized phoneme
 - c) Weak presure consonant
 - d) Final syllable deletion
- 4. SERVOX digital is
 - a) Speech trainer
 - b) Naso-endoscope
 - c) Electrolarynx
 - d) Nasometer
- 5. Which of the following method/methods used for the production of esophageal speech
 - a) Injection Method
 - b) Inhalation method
 - c) Consonant Injection
 - d) All of the above
- 6. Which of the following sentence is correct for Tracheo-esophageal puncture (TEP)?
 - a) TEP is not performed under endoscopic procedure.
 - b) TEP is a puncture made at a point 3-5 mm from the mucocutaneous junction of the tracheostoma
 - c) TEP needs battery for sound production.
 - d) Voice is produced by artificial device
- 7. is an unpaired musculo-cartilaginous structure which lies anterior to the esophagus, to which it is attached by the cricopharyngeus sphincter muscle at the level of fifth vertebrae (C5).
 - a) Larynx
 - b) Nasal Cavity
 - c) Oral cavity
 - d) Pharynx



- 8. Which of the following is paired cartilage?
 - a) Thyroid
 - b) Cricoid
 - c) Arytenoids
 - d) Epiglottis
- 9. Esophageal retention flange, body, tracheal retention flange and neck strap are part of
 - a) Voice box
 - b) electrolarynx
 - c) voice prosthesis
 - d) Naso-endoscope
- 10. Which of the following muscle draws The Epiglottic Cartilage downward?
 - a) Thyroepiglottic
 - b) Vocalis
 - c) Sterno hyoid
 - d) Omohyoid
- 11. Which of the following is associated with Cul-de-sac resonance.
 - a) Hypernasality
 - b) Normal nasality
 - c) weak consonant
 - d) Hyponasality
- 12. are produced with the back of the tongue against the pharynx and are usually substituted for velars (k/g).
 - a) Pharyngeal fricative
 - b) Pharyngeal plosives
 - c) glottal stops
 - d) Fronting
- 13. A lateral lisp on sibilants is the result of the tongue tip touching the during production.
 - a) alveolar ridge
 - b) teeth
 - c) palate
 - d) All of the above
- 14. Which of the following is indirect technique can be used assessment of individual with Cleft lip and palate?
 - a) Multiview videofluroscopy
 - b) Nasometry
 - c) Magnetic resonance imaging
 - d) Nasoendoscopy
- 15. Velopharyngeal insufficiency indicates -----
 - a) Anatomical/ structural defect responsible for the inadequate closure of the velopharyngeal port
 - b) Poor movement of the velopharyngeal structures
 - c) Mislearning of velopharyngea closure
 - d) None of the above

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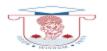
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- 16. Overall prevalence of childhood apraxia of speech is ----
 - a) 1/2 per 1,000 children
 - b) 10/12 per 1,000 children
 - c) 10/12 per 100 children
 - d) 1/2 per 100 children
- 17. Heavy presentation of some form of antecedent instructional events followed by client response is
 - a) drills
 - b) Drill play
 - c) Structured play
 - d) Play
- 18. is true statement.
 - a) Behaviorist Models focused on describing overt and observable behaviors
 - b) linguistic model observes environmental conditions that co-occur and predict overt verbal behaviors.
 - c) behavioristic models states that Language-specific rules are important for sond generation.
 - d) McDonald describes behavioristic model.
- 19. is done to determine whether a sound is likely to be acquired withoutintervention?
 - a) Contextual testing
 - b) single word sampling
 - c) Stimulability testing
 - d) None of the above
- 20. is example of weak syllable deletion
 - a) nana instead of banana
 - b) pane instead of plane
 - c) dod instead of dog
 - d) wabbit instead of rabbit
- 21. is phonotactic constraints of phonological knowledge.
 - a) Syllable constraints
 - b) Positional constraints
 - c) Frequency constraints
 - d) phonemic constraints
- 22. /car/ is substituted by /tar/ is example of
 - a) Gliding
 - b) Depalatization
 - c) Stopping
 - d) Fronting
- 23. is used for intervention of childhood apraxia of speech?
 - a) Rapid Syllable Transition Treatment (ReST)
 - b) Dynamic Temporal and Tactile Cuing (DTTC)
 - c) Prompts for Restructuring Oral Muscular Phonetic Targets (PROMPT)
 - d) All of the above

d) 500

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Hou will	(Deemed to be University under section 3 of the UGC Act 1956)
a) its for chib) approachc) it include	following sentence is correct for the cycles phonological pattern approach aldren with minimal sound errors targets deficient phonological patterns a auditory stimulation is not required onto another sound and/or pattern is done based on the criterion level
a) /i/	following vowel is not tense vowel
b) /e/ c) / ₃ -/ d) / _U /	
a) /i/	aple of a central vowel
b) /u/ c) /'sup'/ d) /'^^'/	
a) 2 b) 4	number of paired cartilage
c) 3 d) 0 28. When one so	und in the word becomes similar to another sound in the word it is known as
b) Substituti	structure processes
29. Speech Assesa) Nasal Vieb) Perceptuac) Speech ap	ssment and Interactive Learning System is ew software al Training Software pp
30. PCC isa) Percentagb) Percentag	ge of correct consonant ge of incorrect consonant ge of co-articulation consonant the above
31. A 2 year old a) 100 b) 250 c) 1000	child will have approximate words in his/her vocabulary.



- 32. Which of the following situation is ideal for the group therapy?
 - a) One or two members may become dominant and monopolize the groups
 - b) Each group member needs more direct attention from the clinician.
 - c) Both a and b
 - d) Homogenous group who needs improvement in socialization
- 33. ICF is
 - a) International classification of factory
 - b) Indian classification of functioning
 - c) International classification of functioning
 - d) Indian classification of factory
- 34. The rights of persons with disability act was introduced in
 - a) 2003
 - b) 2016
 - c) 2018
 - d) 2020
- 35. Identify the true sentence from the following
 - a) Major structure responsible for the voice production is vocal cords in larynx
 - b) During production of the vowel mouth is closed
 - c) All consonants are voiced
 - d) Child can say sentences at age of one year

