



VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University under section 3 of the UGC Act 1956)

Audiology

Instructions / Note:

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: _____.

[35X1=35]

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
4. Length of adult ear canal is
 - A. 15 to 18mm
 - B. 2.4 to 2.6mm
 - C. 24 to 26mm
 - D. 1.5 to 1.8mm



VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University under section 3 of the UGC Act 1956)

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



VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University under section 3 of the UGC Act 1956)

12. Which of the following muscle draws the Epiglottic Cartilage Downward?
- A. *Thyroepiglottic*
 - B. *Vocalis*
 - C. *Sterno hyoid*
 - D. *Omohyoid stoma*
13. Frequency and intensity are _____ measurements of sound
- A. *Physical*
 - 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*



VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University under section 3 of the UGC Act 1956)

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 videofluoroscopy*
 - 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*



VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University under section 3 of the UGC Act 1956)

26. The zero db reference level for most sound level meters is
- A. *20 dynes per cm squared*
 - B. *20 micropascals*
 - C. *0 dB*
 - D. *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. *sones*
 - 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.
 - D. Prenatal hearing loss.



VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University under section 3 of the UGC Act 1956)

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 children
- A. In the ear
 - B. Completely in the canal
 - C. Behind the ear
 - D. In the canal
34. Hearing loss sharply reduces the _____ that the child has and thus slows down the process of learning totalk
- A. Listening experience
 - B. Vocal experience
 - C. Attention control
 - D. 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





Audiology & Speech

Part – B

[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) neuromuscular commands, cranial nerve
 - d) None of the above
3. Which of the following speech errors not seen in adults with cleft lip and palate?
 - a) Glottal stops
 - b) Nazalized phoneme
 - c) Weak pressure 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



VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University under section 3 of the UGC Act 1956)

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 assesment 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) Mislarning of velopharyngea closure
 - d) None of the above



VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University under section 3 of the UGC Act 1956)

16. Overall prevalence of childhood apraxia of speech is -----
- 1/2 per 1,000 children
 - 10/12 per 1,000 children
 - 10/12 per 100 children
 - 1/2 per 100 children
17. Heavy presentation of some form of antecedent instructional events followed by client response is
- drills
 - Drill play
 - Structured play
 - Play
18. is true statement.
- Behaviorist Models focused on describing overt and observable behaviors
 - linguistic model observes environmental conditions that co-occur and predict overt verbal behaviors.
 - behavioristic models states that Language-specific rules are important for sound generation.
 - McDonald describes behavioristic model.
19. is done to determine whether a sound is likely to be acquired without intervention?
- Contextual testing
 - single word sampling
 - Stimulability testing
 - None of the above
20. is example of weak syllable deletion
- nana instead of banana
 - pane instead of plane
 - dod instead of dog
 - wabbit instead of rabbit
21. is phonotactic constraints of phonological knowledge.
- Syllable constraints
 - Positional constraints
 - Frequency constraints
 - phonemic constraints
22. /car/ is substituted by /tar/ is example of
- Gliding
 - Depalatalization
 - Stopping
 - Fronting
23. is used for intervention of childhood apraxia of speech?
- Rapid Syllable Transition Treatment (ReST)
 - Dynamic Temporal and Tactile Cuing (DTTC)
 - Prompts for Restructuring Oral Muscular Phonetic Targets (PROMPT)
 - All of the above



VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University under section 3 of the UGC Act 1956)

24. Which of the following sentence is correct for the cycles phonological pattern approach
- its for children with minimal sound errors
 - approach targets deficient phonological patterns
 - it includes auditory stimulation is not required
 - Moving onto another sound and/or pattern is done based on the criterion level
25. Which of the following vowel is not tense vowel
- /i/
 - /e/
 - /ɜ:/
 - /ʊ/
26. --- is an example of a central vowel
- /i/
 - /u/
 - /'sup'/
 - /'^'^'/
27. Larynx has --- number of paired cartilage
- 2
 - 4
 - 3
 - 0
28. When one sound in the word becomes similar to another sound in the word it is known as
- Assimilation processes
 - Substitution processes
 - Syllable structure processes
 - Depalatization
29. Speech Assessment and Interactive Learning System is
- Nasal View software
 - Perceptual Training Software
 - Speech app
 - Voice assessment software
30. PCC is ----
- Percentage of correct consonant
 - Percentage of incorrect consonant
 - Percentage of co-articulation consonant
 - None of the above
31. A 2 year old child will have approximate words in his/her vocabulary.
- 100
 - 250
 - 1000
 - 500



VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University under section 3 of the UGC Act 1956)

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

