

T.Y.B.A.S.L.P. (2013 Course) : SUMMER - 2019
SUBJECT : NOISE MEASUREMENT & HEARING CONSERVATION

Day : Wednesday
Date : 22/05/2019

S-2019-3946

Time : 10.00 AM TO 01.00 PM
Max. Marks : 10

N.B.:

- 1) Put a in the appropriate box below the question number once only.
- 2) Use blue ball point pen only.
- 3) Each question carries **ONE** mark.
- 4) Students will not be allotted mark if he/she overwrites strikes or puts blue ink on the tick once marked.
- 5) MCQ sheet will be taken back after half an hour.

SECTION – A

- 1) Noise induced hearing loss is _____.
 - a) Sensory
 - b) Neural
 - c) Mixed
 - d) Conductive
- 2) REAT provides with _____.
 - a) Insertion loss
 - b) Functional gain
 - c) Durability
 - d) Susceptibility
- 3) Most sensitive test for Temporary threshold shift is _____.
 - a) OAE
 - b) ABR
 - c) Reflexometry
 - d) STAT
- 4) Post stimulatory fatigue is also known as _____.
 - a) TTS
 - b) PTS
 - c) Recruitment
 - d) Adaptation
- 5) High frequency hearing loss is not seen in _____.
 - a) Noise induced hearing loss
 - b) Menieres disease
 - c) Drug induced hearing loss
 - d) Presbycusis

P.T.O.

- 6) Following are the non-auditory effects of noise exposure _____.
- a) Altered galvanic skin resistance
 - b) Reduced ability to perform secondary tasks
 - c) Distributed sleep
 - d) All of the above
- 7) Gun fire noise is a classic example of _____.
- a) Impulsive noise
 - b) Loud noise
 - c) Sudden noise
 - d) Steady noise
- 8) In which type of age related hearing loss, hearing aid would show least benefit _____.
- a) Sensory
 - b) Neural
 - c) Mechanical
 - d) Metabolic
- 9) The unit of noisiness is _____.
- a) Leq
 - b) NOY
 - c) Mel
 - d) Sone
- 10) AMA (1978) formula does not include _____ for measuring hearing handicap.
- a) 1000 Hz
 - b) 2000 Hz
 - c) 4000 Hz
 - d) 500 Hz

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SUBJECT : NOISE MEASUREMENT & HEARING CONSERVATION

Day : Wednesday
Date : 22/05/2019

Time : 10:00AM TO 1:00PM.
Max. Marks : 70

S-2019-3946

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw diagram **WHEREVER** necessary.
 - 4) Answer each section in the respective answer sheet only.
 - 5) Answers written in the inappropriate answer sheets will not be assessed in any case.
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SECTION – B [SAQ] : 35 Marks

Q.2 Write short notes on **ANY FIVE** of the following: **[15]**

- a) Different types of EPDS
- b) Audio analgesia
- c) Frequency weighting networks
- d) Prevention and its types
- e) Motor Vehicle Act
- f) NOY

Q.3 Attempt **ANY FOUR** of the following: **[20]**

- a) Damage Risk Criteria.
- b) Elaborate on SHARP.
- c) Noise dosimeter.
- d) What will be the Audiologic profile of an individual with Acoustic trauma?
- e) What are different techniques of noise measurement?

SECTION – C [LAQ] : 35 Marks

Q.4 Attempt the following questions: **[20]**

- a) What is temporary threshold shift? Explain recovery of hearing sensitivity in relation to NITTS.
- b) Explain laboratory methods to evaluate performance of hearing protection devices.

Q.5 Attempt **ANY ONE** of the following: **[15]**

- a) Explain the auditory effects of long term exposure to noise.
- b) Explain role of an industrial audiologist in view of various phases in hearing conservation program.

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