MII-Quiz Questions

1) Which of the following sensory channel is used for touch:

   a) Haptic Channel
   b) Visual Channel
   c) Auditory Channel
   d) Vestibular Channel

2) Multimedia systems represent more than one way to transport information from

   a) User to system
   b) User to another user
   c) System to user
   d) User to multiple systems

3) The three domains of multimodal systems are

   a) Active, Passive and Similar
   b) Active, passive and virtual
   c) Active, conditional and Similar
   d) Virtual, Passive and Conditional

4) Multimedia is one of the branches of multimodal systems.

   a) True
   b) False

5) Boredom in class can be removed by the system designed using

   a) Active input mode
   b) Passive input mode
   c) Virtual Environment
   d) Sensory Touch

6) Hand gestures can be classified into

   a) Stationary and Moving
   b) Stationary and Dynamic
   c) Static and Dynamic
   d) Still and Moving

7) In Linguistic hierarchy, morphology represents the word forms while syntax represents the sentence structure.

a) True
b) False

8) Structure of sound can be represented by

a) Semantics
b) Pragmatics
c) Phonetics
d) Phonology

9) A Phoneme is a ……………..class which is restricted to a given language.

a) Functional
b) Logical
c) Intentional
d) Reasonable

10) The field of linguistic study dedicated to morphemes is called

a) Menology
b) Morphology
c) Chronology
d) None of the above

11) Multimodal input stimulates the human ………. than the sum of the single individual inputs.

a) Stronger
b) Lesser
c) Slightly more
d) None of the above

12) Auditory system provides which type of information?

a) Spatio-Temporal
b) Spatial
c) Temporal

13) Which of the following statements are true?

i.   Multimodal systems will increase reaction time and decrease workload
ii.   Multimodal systems will provide more robustness and naturalness to the system
iii. Multimodal systems will provide shorter task completion time

a) i and ii
b) ii and iii
c) i and iii
d) iii only

14) Non-verbal communication is:

a) Linguistic in nature
b) Single channeled
c) Less ambiguous than verbal communication
d) Continuous

15) In YCbCr color model, Y stands for

a) Chrominance
b) Luminance
c) Saturation
d) Hue

16) Different color models present in literature are

a) HSV, YCbCr
b) HSV,YUV
c) YCbCr, YUV
d) HSV, YUV and YCbCr

17) Which of the following represents the most accurate flow of hand detection?

a) Captured Image→Detection of face→Hand Detection
b) Captured image→Detection of Face→Skin Detection→Hand Detection
c) Captured Image→Skin Detection→Hand Detection
d) Captured Image→Detection of face→Skin Detection→Binary Conversion→Hand Detection

18) Command used to covert RGB image to YCbCr is……………

19) "bwlabel" command in MATLAB

a) returns the label matrix that contains labels for the 8-connected objects found in Binary Image.
b) returns the label matrix that contains labels for the 8-connected objects found in original Image.
c) returns the label matrix that contains labels for the 4-connected objects found in Binary Image.

d) returns the label matrix that contains labels for the 6-connected objects found in original Image.

20) Dimensions of Bounding Box in an image can be written as

a) [x y width height]
b) [x y height width]
c) [x y width length]
d) [x y length breadth]

ANSWERS

1	a	9	a	17	d
2	c	10	b	18	rgb2ycbcr
3	b	11	a	19	a
4	a	12	c	20	a
5	b	13	b		
6	b	14	d		
7	a	15	b		
8	d	16	d		