ZONAL EDUCATION OFFICE - KILINOCHCHI

Science | **Unit Exam - 04** | **12th June 2019** | **Grade-06** | **40 Minutes**

Part I

1. Important factor that essential to see a object.
   a. Vision b. Sound c. Ear d. Bulb
2. Which is translucent object
   a. Cardboard b. Tissue paper c. Glass d. Metal sheet
3. Example for communication using the light
   a. optical fibers b. Endoscopy c. Scanner d. Microscope
4. Which is opaque object?
   a. Sun b. Glow worm c. Moon d. Planets
5. Incorrect statement regarding light
   a. Light is a form of energy c. Many light rays form light beam
   b. Light always travel in a straight line d. Light cant travel through any liquids
6. Sound is generated by……
   a. Frequency b. Vibrations c. Pitch d. Waves
7. Example for artificial sound
   a. Sound of wind b. Sound of birds c. Sound of waterfall d. Sound of violin
8. Which organ is sensible to sound
   a. Ear lobe b. Ear c. Eye d. Vocal cord
9. Not a use of light is
   a. To see the objects b. Illumination c. Respiration d. Communication
10. Light ray that cure wounds in stomach (Gastritis)?
    a. Alpha rays b. X rays c. Laser rays d. Gamma rays
11. Colour of the light used in the warning signals?
    a. Red b. Green c. Yellow d. Blue
12. Which part of human make sound while talking by vibrations?
    a. Larynx b. Mouth c. Vocal cord d. Tongue
13. Incorrect statement about sound?
    a. Sources that produce sound is known as sources of sound.
    b. Non rhythmatic sounds are noises.
    c. Loud sound may cause harm to ears.
    d. Using sound without disturbing others is not our duty.
14. Source that not produce sound is.
    a. Radio b. Heater c. Television d. Computer
15. Function of the ear lobe is?
    a. Direct sound waves towards the ear b. to hear the sound
    c. To sense the vibration of sound d. Transfer Sound waves to brain
16. Instrument that produce sound by the vibration of air column?
    a. Drum b. Flute c. Violin d. Guitar
17. Colours used in road signals are
    a. Red ,Green, Blue b. Yellow, Red, Blue c. Red ,Yellow, Purple d. Red, Green, Yellow
18. The instrument shown here is
    a. Octopod b. Sacsophone c. Vibrating instrument d. violin
19. How can you use light efficiently in home?
    a. Don't use electric bulbs b. Light off all the bulbs in night
    c. In home use one electric bulb only d. Off the light bulbs when unnecessary
20. Correct statements about sound and light
    a. Both are forms of energy. b. speed of light is greater than the speed of sound in air
    c. a and b are correct answers d. a is correct and b is incorrect

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Part II

01) Cardboard with a hole and candle flame are opposite to each other in the way flame of the candle can be seen through the hole. The flame and the hole are in the straight line. The following things are kept in between the flame and the hole.

"Metal sheet, Oil paper, Wood piece, Thin glass, Black paper, Glass with flower works, Polythene paper, Cardboard"

1. From which objects given above you can see both light and the flame very clearly?
2. How can you call those objects you mentioned in question 1 with a special name?
3. Name an instance where you use such objects you mentioned in question 1?
4. Which objects given above allow only light but not the flame through them?
5. How can you call such objects you mentioned in question 4 with a special name?
6. Which objects cannot show light and flame through them?
7. How can you call the objects you mentioned in the question 6?
8. Give an example for liquid that doesn't allow the light passing through it?
9. What do you mean by light beam?
10. Draw the symbols of light ray and light beam?

02)

1. What is your observation while beating Rabane when some paper pieces are on the membrane of Rabane ?
2. What is the reason for your answer?
3. What is your conclusion from your observation?
4. What do you mean by sources of sound?
5. How we are able to hear the sound?
6. Name two instruments that produce sound by the vibration of the membrane?
7. Name two instruments that produce sound by the vibration of the string?
8. Name two instruments that produce sound by the vibration of the air column?
9. How a worker works in a factory with loud noise can protect his ear?
10. Name 4 sounds you can here in city side?

03) Same size of cardboards with same size holes lie on the way in the table with the help of clay as the holes are appear on the straight line.

1. How can you conclude that all the wholes are in a straight-line?
2. Could you see the candle flame when these holes are in a straight line?
3. Could you see the candle flame after move the middle cardboard by small distance?
4. From above observations; what is your conclusion?
5. Write two uses of light?
6. What do you mean by luminous objects?
7. Give reason why moon is a non-luminous object?
8. Write two uses of laser rays in the medical field?
9. How can you use light efficiently at home?
10. Why Lighthouses are made?

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