



VIDYA BHARATI SCHOOL
OLYMPIAD WORKSHEET: November 2017
GRADE: VIII
SUBJECT: SCIENCE

Q1: In *dholak* sound is produced due to ...

- (a) stretched membrane
- (b) stretched strings
- (c) air column
- (d) vibration of air

Q2: The pitch of sound depends on the _____ of the vibrating body.

- (a) amplitude
- (b) noise
- (c) frequency
- (d) medium of propagation

Q3: Speed of sound in solids is _____ the speed of sound in liquids.

- (a) same as
- (b) greater than
- (c) less than
- (d) sometimes greater and sometimes less than

Q4: The human ear can hear sounds having frequency in range ...

- (a) between 200 - 20,000 Hz
- (b) between 20 - 2000 Hz
- (c) between 200 - 2000 Hz
- (d) between 20 - 20,000 Hz

Q5: The time taken to complete ____ oscillation(s) is called time period.

- (a) one
- (b) ten
- (c) two
- (d) hundred

Q6: To and fro or back and forth motion of an object is termed as ____.

- (a) frequency
- (b) amplitude
- (c) vibration
- (d) time period

Q7: Vocal cords in men are about ____ long.

- (a) 20 mm
- (b) 20 cm
- (c) 2 mm
- (d) 2 cm

Q8: Length of vocal cords of women is _____ men.

- (a) greater than
- (b) less than

- (c) same as
- (d) slightly greater than

Q9: Sound cannot travel in _____.

- (a) solids
- (b) liquids
- (c) gases
- (d) vacuum

Q10: The sound above ____ is physically painful.

- (a) 20 dB
- (b) 40 dB
- (c) 60 dB
- (d) 80 dB

Q.11. An electric current can produce

- (a) heating effect only.
- (b) chemical effect only.
- (c) magnetic effect only
- (d) chemical, heating, and magnetic effects.

Q12. Which one of the following is the bad conductor of electricity?

- (a) Distilled Water
- (b) Alcohol
- (c) Salt Water
- (d) Tap Water

Q 13. When electric current is passed through copper sulphate solution, the copper deposits on the electrode connected to -----

- (a) positive terminal of battery
- (b) Negative terminal of battery
- (c) Any terminal can be chosen
- (d) Copper does not deposit

Q 14. When electric current is passed through a bulb, the bulb gives light because of-----

- (a) electric effect of current
- (b) heating effect of current
- (c) glowing effect of current
- (d) Lighting effect of current

Q15. The process of producing chemical decomposition of a compound by passing electricity through the compound is called -----

- (a) electrolysis
- (b) electroplating
- (c) electrolyte
- (d) None of the above

Q.16 Tin cans are made by electroplating steel cans with

- (a) lead
- (b) tin
- (c) tungsten
- (d) cobalt

Q17. Pure piece of metal which is used to be plated is made the

- (a) anode
- (b) cathode
- (c) nematode
- (d) posit rode

Q18. Shiny objects are often made by electroplating steel with

- (a) nickel
- (b) titanium
- (c) chromium
- (d) zinc

Q19. Most of compounds in our daily lives contain

- (a) sodium
- (b) chlorine
- (c) oxygen
- (d) hydrogen

Q.20 A sheet of pure copper is used at

- (a) Cathode
- (b) Anode
- (c) Positrode
- (d) Negatrode

