1. Which part of the human throat is responsible for the voice produced by a human?

(a) Larynx

(b) Adams apple

(c) wind pipe

(d) Pharynx

Feedback for correct answers
The voice box, also known as the larynx, is a short tube in the neck that's part of the respiratory system and is essential for speaking and singing.

2. The maximum displacement of a vibrating object from its mean position.

((a) Frequency

(b) Amplitude

(c) time period

(d)None

Feedback for correct answers
Amplitude is the maximum displacement from its mean position to extreme position of a particle of the medium in which a wave propagates.

3. The frequency of sound determines

(a) loudness

(b) Pitch

(c) quality of sound

(d) All of above

Feedback for correct answers
Frequency-it is defined as the number of oscillations or vibrations that occur in one second.

4. A pendulum oscillates 40 times in 4 seconds. Find its time period.

(a)1 sec

(b) 10 sec

(c) 0.1 sec

(d) 4 sec

Feedback for correct answers
The time taken for one complete oscillation to occur is called the Time Period.

5. What will be frequency of a sound wave whose time period is 0.05 seconds.

(a) 2 Hertz

(b) 20 Hertz

(c) 0.2 Hertz

(d) 0. 02 Hertz

Feedback for correct answers
The time taken for one complete oscillation to occur is called the Time Period.

6. Solution of lemon juice in water is an electrolyte because it is

(a) a metal

(b) a non metal

(c) a solution

(d) a liquid that conducts electricity

Feedback for correct answers
An electrolyte is a substance that can conduct electricity when dissolved in a water.

7. Iron objects get rusted quickly and thus causes economic loss. So to prevent rusting ,iron objects are

(a) Electrolysed

(b) Refined

(c) Electroplated

(d)None of the above

Feedback for correct answers

The process of coating the thin layer of metals with desired metal to resist from rust is called electroplating.

8. LED is a semiconductor device that emits light when an electric current flows through it. What is full form of LED.

(A) Light Electron Down

(b) Light Emitting Diode

(c) Low Electric Device

(d) Low Electron Density

Feedback for correct answers
LED is a semiconductor device that emits light when current flows through it.

9. Which of the following metal should be electroplated on a tiffin box made of steel .

 (a)Copper

(b) Chromium

(c) Silver

(d) Tin

Feedback for incorrect answers
The process of coating the thin layer of metals with desired metal to resist from rust is called electroplating.

10. A student learns that salts like potassium chloride and sodium chloride are introduced in a weakly conducting solution. What option explains the chemical reactions that salts undergo and affect the conductivity of the solution.

(a) Salts react chemically with the water particles and decrease the conductivity of the solution.

(b) Salts help to make the solution non-conducting by reacting with the particles of the solution.

(c) Salts mix with the particles of the weak conducting solution and helps to produce oxygen from the solution.

(d) Salts undergoes a chemical reaction with the particles of the solution and increase its conductivity.

Feedback for correct answers

(d)Salty water is an electrolyte.

KVS RO BHOPAL
MATHS(CLASS VIII)
DEC MONTH CBT QUESTIONS WITH ANSWER KEY

1. The height of a cuboid whose volume is 275 cm3 and base area is 25 cm2 is:

A. 10 cm

B. 11 cm

C. 12 cm

D. 13 cm

Feedback for correct answers
Explanation: Volume of a cuboid = Base area × Height
Height = Volume / Base area
H = 275/25 = 11 cm

2. The area of a trapezium is 480 cm2, the distance between two parallel sides is 15 cm and one of the parallel side is 20 cm. The other parallel side is:

A. 20 cm

B. 34 cm

C. 44 cm
D. 50 cm

3.The area of a rhombus is 240 cm2 and one of the diagonals is 16 cm. Find the other diagonal.

A. 16 cm
B. 20 cm
C. 30 cm
D. 36 cm

4. A cuboid has _____ pairs of identical faces.

A. 2
B. 3
C. 4
D. 5

5. Volume of a cuboid of length (l), width (w) and height (h) is:

A. lbh
B. lb + bh + hl
C. 2 (lb + bh + hl)
D. 2 (l + b) h

6. Volume of a cylinder with base radius = r and height = h, is:

A. $2\pi rh$

B. $\pi r^2 h$

C. $2\pi r (r + h)$
D. $1/3 \, \pi r^2 h$

7.Write the lateral surface area of a cuboid having length l units, breadth b units and height h units.

(a) 2(l+b)h
(b) 2(l+h)b
(c) 3(l+b)h
(d) 2(h+b)l

2(l+b)h

8.The base radius and height of a right circular cylinder are 14 cm and 5 cm respectively. Its curved surface is

(a) 220 cm2

(b) 440 cm2

(c) 1232 cm2

(d) 2π × 14 × (14 + 5) cm2

Feedback for correct answers\
Explanation: Curved surface = 2 × 22/7 × 14 × 5 = 440 cm2

9. If each edge of a cube is doubled, how many times will its volume increase?

(a) 4 times

(b) 8 times

(c)10 times

(d) 5 times

Feedback for correct answers
Explanation: Let the length of side of a cube be y units. Volue will be y3. If the length is doubled then it will become 2y. So volume will be 8y3

10. The total surface area of a cube of edge a is

(a) 4a2

(b) 6a2

(c) 3a2

(d) a2

Feedback for correct answers
Total Surface Area of a cube = side X side

KVS RO BHOPAL
S.ST.(CLASS VIII)
DEC MONTH CBT QUESTIONS WITH ANSWER KEY

Q1. Which reform association was founded by Raja Ram Mohan Roy
(a)Arya Samaj

(b)Brahmo Samaj

(c)Satya Shodhak

(d)Prarthna Samaj

Feedback for correct answers
Brahmo Samaj is founded by Raja Ram Mohan ROY

Q2. In which year sati pratha was banned
(a)1825

(b)1827

(c)1828

(d)1829

Feedback for correct answers

Sati pratha was banned in the year 1829

Q3. The book Gulamgiri was written by_____
(a)Shri Narayan guru

(b)Jyoti Rao Phuley

(c)Haridas Thakur

(d)Periyar Swami

Feedback for correct answers
The book Gulamgiri was written by Jyoti Rao Phuley

Q4. Satya Shodhak Samaj was founded by___

(a)Jyoti rao phuley

(b)Swami Dayanand

(c)Periyar Swami

(d)Shri narayan guru

Feedback for correct answers
Satya Sodhak Samaj was founded by Jyoti Rao Phuley

Q5. In which language Raja ram mohan roy was well versed?

(a)Sanskrit

(b)English

(c)persian

(d)All of these

Feedback for correct answers
Raja Ram Mohan Roy knows many languages like sanskrit, English, Persian etc.

Q6. Which type of activity is manufacturing

(a)Primary

(b)Secondary'

(c)Tertiary

(d)Quaternary

Feedback for correct answers
Manufacturing is a Secondary Activity.

Q7. Which is an argo based industry

(a)Iron and Steel

(b)Railway Engines

(c)Cotton textile

(d)Bulding Materials

Feedback for correct answers
Cotton textile Industry is agro based industry.

Q8. Which is a mineral based industry

(a)Cotton textile

(b)Food Processing

(c)Iron and Steel

(d)Vegetable oil

Feedback for correct answers
Iron and steel Industry is a mineral based Industry.

Q9. When did Bhopal Gas tragedy took place

(a)1982

(b)1983

(c)1984

(d)1985

Feedback for correct answers
Bhopal Gas tragedy took place in 1984 .

Q10. Which town is called the Manchester of India

(a)Ahmedabad

(b)Mumbai

(c)Kolkata

(d)Kanpur

Feedback for correct answers
Ahmedabad is called the Manchester of India .

1. Stephen Hawking was most brilliant and completely paralysed _____.

(a) Astrophysicist
(b) Chemist
(c) Surgeon
(d) Psychiatrist

Feedback for correct answers
Stephen Hawking worked on the physics of black holes. Astrophysicist are scientists who specialize in studying space, stars, planets and the universe.

2. A visit to England would be incomplete without a visit to _____.
 (a) The villages
(b) Trinity
(c) Cambridge
(d) None of these

Feedback for correct answers
A visit to England would be incomplete without a visit to Cambridge. Cambridge is a city and non-metropolitan district in England famous for its University.

3.Which hill-station does the author describe in the diary entry?

 (a) Manali
(b) Shimla
(c) Mussoorie
(d) Both (a) and (b)

Feedback for correct answers
Mussoorie is a famous hill station. Ruskin Bond has lived as a freelance writer in Mussoorie a town in the Himalayan foothills.

4. The writer describes the hill station and valley as _____.

 (a) a paradise that might have been
(b) awesome
(c) wonderful
(d) best

Feedback for correct answers
The writer describes the hill station and valley as a paradise that might have been. The scenic towns beauty, the colonial charm and he people have featured in most of the writings of Ruskin Bond.

5. What is the meaning of "Dearth"?

 (a) Absence
(b) Shortage
(c) Both (a) and (b)
(d) Enjoyment

Feedback for correct answers
The answer is self-explanatory.

6.Stephen Hawking was the author of _____

(a) Geetanjali
(b) The Sons of the Sea
(c) The summit within
(d) A Brief History of Time

Feedback for correct answers

7. What is the meaning of "Incandescence" ?

 (a) Inner glow

(b) Light

(c) Both (a) and (b)

(d) Darkness

Feedback for correct answers
The answer is self-explanatory.

8.Why is the author not able to see Bijju?

 (a) Because of the mist that had covered the surroundings

(b) Because of winter season

(c) Because of rain

(d) Because of winter rains in the hills

Feedback for correct answers
The monsoon mist at Mussoorie did not allow the author to see Bijju.

9. Fill in the blank in the sentence below using the appropriate form of the words given:

The meeting was …………by the youngest member of the board.

(a) paled

(b) draw

(c) true

(d) chaired

10.Complete the sentence by using appropriate phrase given:

The blue umbrella was _____ _____ for the brother and sister.

(a)serious enough

(b)big enough

(c)kind enough

(d)foolish enough