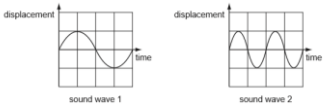
INDIAN SCHOOL AL WADI AL KABIR(2020-2021)

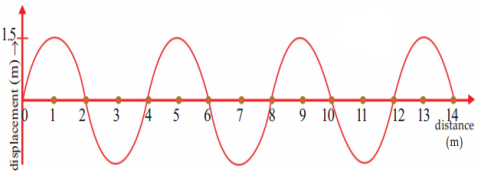
CLASS IX	Department: SCIENCE	Date:23/06/2020
Marks:30	PRE-MID TERM QP+MS	DURATION:1hour

Q.no	Questions	Marking scheme
1.	Which one of the following sets of phenomena would increase on raising the temperature? (a) Diffusion, evaporation, compression of gases (b) Evaporation, compression of gases, solubility (c) Evaporation, diffusion, expansion of gases (d) Evaporation, solubility, diffusion, compression of gases	1. (c) Evaporation, diffusion and expansion of gases.
2.	The diagrams represent two sound waves. The scales in the two diagrams are the same.  Choose the correct statement from the ones given below. A. The waves have different loudness and different pitch. B. The waves have different loudness but the same pitch. C. The waves have the same loudness and the same pitch. D. The waves have the same loudness but different pitch.	D. The waves have the same loudness but different pitch.
3.	Biotic stress that can reduce crop production is: i)Salinity ii) Disease iii) Frost iv) water logging	ii) Disease
4.	In which of the following conditions, the distance between the molecules of hydrogen gas would increase?	(c) ii and iii

	(i) Increasing pressure on hydrogen contained in a closed container (ii) Some hydrogen gas leaking out of the container (iii) Increasing the volume of the container of hydrogen gas (iv)Adding more hydrogen gas to the container without increasing the volume of the container (a) (i) and (iii) (b) (i) and (iv) (c) (ii) and (iii) (d) (ii) and (iv)	
5.	A tennis player hits a ball hard and 0.40s later hears the echo from a wall.  The speed of sound in air is 330 m/s. How far away is the player from the wall? A 66m B 132m C 264m D 825m	A) 66m
6.	Culture of blue green algae used in field is an example for: i)Biopesticide ii) Bioweedicide iii) Biological control iv) Biofertilizer	iv) Biofertilizer
7.	A few substances are arranged in the increasing order of 'forces of attraction' between their particles. Which one of the following represents a correct arrangement? (a) Water, air, wind (b) Air, sugar, oil (c) Oxygen, water, sugar (d) Salt, juice, air	(c) Oxygen, water, sugar
8.	Which statement about ultrasound is correct?	

	A. Ultrasound must have greater amplitude than audible sound. B. Ultrasound must have greater frequency than audible sound. C. Ultrasound must have lower amplitude than audible sound. D. Ultrasound must have lower frequency than audible sound.	B. Ultrasound must have greater frequency than audible sound.
9.	Choose the correct statement of the following (a) Conversion of solid into vapours without passing through the liquid state is called sublimation. (b) Conversion of vapours into solid without passing through the liquid state is called vaporisation. (c) Conversion of vapours into solid without passing through the liquid state is called freezing. (d) Conversion of solid into liquid is called sublimation.	(a) Conversion of solid into vapours without passing through the liquid state is called sublimation.
10.	The distance between a compression and the next rarefaction in a longitudinal wave is A) **λ/2** B) **λ** C) **λ/4** **D)** 2λ	**A) λ/2**
11.	**I. Fill in the blanks** The process of change of liquid state into gaseous state at constant temperature is known as---------- (a)Boiling	(a) Boiling

	(b)Melting (c)Fusion (d)Evaporation	
12	The persistence of audible sound due to successive reflections from the surrounding objects even after the source has stopped to produce that sound is called---------- a) reflection b) echo c) reverberation d) rarefaction	**c) reverberation**
13.	The fish production from freshwater sources is called…… i) Mariculture ii) Inland capturing iii) Aquaculture iv) Marine capturing	iii) Aquaculture
14.	The smell of perfume gradually spreads across a room due to _____. (a) Evaporation (b) Sublimation (c) Diffusion (d) Vaporisation.	c)Diffusion
15.	Sound cannot travel through ---------- a) air b) water C) solid d) vacuum	d) vacuum
16.	Risk of crop failure and monetary loss under poor rainfall conditions are achieved through…….: i)Intercropping ii)Irrigation iii)mixed farming iv)mixed cropping	ii)Irrigation
17.	.For the questions 6(a) and 6(b),two statements are given-one labelled Assertion (A) and the other labelled Reason(R).Select the correct answer to these questions from the options (i) , (ii) ,(iii) and (iv)as given below: (i)Both A and R are true and R is the correct explanation of the Assertion. (ii)Both A and R are true but R is not the correct explanation of the Assertion.	

	(iii)A is true but R is false. (iv)A is false but R is true. Assertion:- Rate of evaporation of an aqueous solution increases with increase in humidity. Reason:-When there is increase in humidity, atmosphere will not take water vapours easily which decreases the process of evaporation.	(iv) A is false but R is true.
18.	Assertion: Farmers having poor purchasing capacity resort to no cost production . Reason: The input cost for production is nil in no cost production.	(i) Both A and R are true and R is the correct explanation of the Assertion.
19.	Assertion -sound wave is an example of longitudinal wave. Reason-In longitudinal waves the constituents of the medium oscillate perpendicular to the direction of wave propagation.	iii) Assertion is correct but reason is wrong.
20.	Assertion: Italian bee variety is preferred for commercial honey production. Reason: Quality of honey depends on the bees that collect it.	(iii)A is true but R is false.
21. 22 23	**Match the following** 1. 100K ---------- 311K 2. 38^0C ---------- 86^0C 3. 359K ---------- - 173^0C	100K ------ - 173^0C 38^0C --------311K 359K -------- 86^0C
24	Observe the graph  Find out the amplitude of the wave. a) 1.5 m b) 2 m c) 14 m d) 6 m	a) 1.5 m

25	What is the speed of the wave if it travels 800 m in 2 s? a)200m/s b) 400 m/s c) 100m/s d) 150 m/s	b) 400 m/s
26.	What is the frequency of the wave? a)100 Hz b) 200 Hz c) 150 Hz d) 400 Hz	a)100 Hz
27.	Answer the questions on the basis of the paragraph given below and related studied concepts. In India, high milk yielding breeds of cattle have been developed through crossbreeding of indigenous breeds with exotic breeds. The increase in milk production has been possible due to the launching of a countrywide programme called 'Operation Flood'. This resulted in White revolution in India. New improved high milk yielding crossbreeds of milch animals and improved animal husbandry practices made the white revolution possible. Dr V. Kurien is known as the "father of white revolution "and is the founder chairman of the National Dairy Development Board. (a)Milch animals are those cattle reared for: i)Meat ii) Milk iii) Labour iv) Both milk and labour	ii) Milk
28	High milk yielding cattle are developed through: i)Crossbreeding of exotic breeds with foreign breeds ii)Crossbreeding of desi with indigenous breeds iii)Crossbreeding of two desi breeds iv)Cross breeding of desi breeds with foreign breeds	iv)Cross breeding of desi breeds with foreign breeds
29	Duration of milk production in cow is called: i)Photoperiod ii) Gestation period iii) Lactation period iii) Incubation period	iii) Lactation period
30	Oil cakes are included in cattle feed as they are examples for: i)Roughage ii) concentrates iii) fodder iv) biopesticide	ii) concentrates