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## **MY YOUTUBE CHANNEL NAME- RAVI TEST PAPERS**

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Q1.	Larger the slope of a displacement-time graph:			1 Mark
	A Lesser the velocity B Higher the velocity	<b>C</b> Lesser the acceleration	<b>D</b> Higher the acceleration	
Q2.	When a stone falls freely towards the earth, its total energy?			1 Mark
	A First decreases and then becomes zero	<b>B</b> Remains constant		
	C Increases	<b>D</b> Decreases		
Q3.	The gravitational force of attraction between two objects	is x. Keeping the masses of t	the objects unchanged, if the	1 Mark
	distance between the objects is halved, then the magnitu	ide of gravitational force bet	ween them will become:	
	A $\frac{x}{4}$ B $\frac{x}{2}$	<b>c</b> 2x	<b>D</b> 4x	
Q4.	While mixing sugar with water, the level of water does no	ot increase because	?	1 Mark
	A Matter has large particles which destroy water	<b>B</b> Tiny particles of sugar ad	just among the space	
	particles	between tiny particles of	water	
	C Tiny particles of sugar destroy large particles of water	<b>D</b> None of the above		
Q5.	If crop rotation is done properly then:			1 Mark
	A Two or three crops can be grown in a year with good	<b>B</b> Three or four crops can b	e grown in a year with good	
	harvests.	harvests.		
	<b>C</b> Four or five crops can be grown in a year with good	D None of these.		
06	harvest.  A body is said to be under balanced forces when the resu	ultant force acting on the had	wic:	1 Mark
Ųδ.	A body is said to be under balanced forces when the resu			1 Wark
07	A Unity  B Zero  In hydrogen perovide (H.O.) the properties of hydrogen	C Infinite	<b>D</b> None of these	1 N40 mls
Ų7.	In hydrogen peroxide $(H_2O_2)$ , the proportion of hydrogen			1 Mark
	A 1:8 B 1:16	C 8:1	<b>D</b> 16:1	454
Q8.	Why do clothes dry faster on a windy day:			1 Mark
	A Evaporation increases with increase in wind speed.	<b>B</b> Evaporation increases with	th increase in humidity.	
00	C Evaporation decreases with increase in wind speed.	<b>D</b> None of these		1 N/ank
цэ.	When we say 'sound travels in a medium' we mean:			1 Mark
	A The particles of the medium travel	B The source travels		
<b>∩</b> 1(	C The disturbance travels  D.Elements having valency 'one' are:	<b>D</b> None of the above		1 Mark
QΙ				1 Walk
	A Always metalloids	<ul><li>B Always non-metals.</li><li>D Either metals or non-met</li></ul>	rale.	
<b>∩</b> 11	C Always metalloidsWhen a piece of cork is put into the water it starts floating			1 Mark
QI.	from water.	ig on the surface of water du	e to the apward baoyant force	1 WIGIK

If the cork is pushed more inside the water by applying the force than the buoyant force:

- **A** Will increase as the cork is immersed into the water.
- **C** Will first increase and then decrease as the cork is immersed more into the water.
- **B** Will decrease as the cork is immersed into the water.
- **D** Will remain the same as long as the cork is inside the water.

1 Mark

- **Q12.**What happens when a solid melts:
  - A Its molecules move faster

    B Its molecules move closer together
  - **C** The movement of its molecules decreases
- **D** The temperature decreases although heat is added

Q13. When a solid block is fully immersed in water, the volume of the water displaced is:			
<ul><li>A Greater than the volume of the block</li><li>C Equal to the volume of the block</li></ul>	<ul><li>B Less than the volume of the block</li><li>D Depends upon the manner in which the block is immersed in the liquid</li></ul>		
Q14. Which of the following statements is/ are correct:		1 Mark	
A Inter particle spaces are maximum in the gaseous state of a substance	<b>B</b> Particles which constitute gas follow a zig-zag path		
C Solid state is the most compact state of substance.  Q15. The force of buoyancy is equal to:	<b>D</b> All are correct	1 Mark	
A Weight of the body	B Weight of the liquid displaced by the body		
C Apparent weight of the body  Q16.Intestine absorb the digested food materials. What type of	<b>D</b> None of these of epithelial cells are responsible for that?	1 Mark	
A Stratified squamous epithelium.	<b>B</b> Columnar epithelium.		
C Spindle fibres.	D Cuboidal epithelium.		
Q17.In above figure, two boys A and B are shown applying for one of the following statements is correct?  A. B.	ce on a block. If the block moves towards the right, which	1 Mark	
A Magnitude of force applied by A is greater than that of B.	<b>B</b> Magnitude of force applied by A is smaller than that of B.		
C Net force on the block is towards A.  Q18.Perforated card boards are used in halls, for:	<b>D</b> Magnitude of force applied by A is equal to that of B.	1 Mark	
A Reflection of sound	<b>B</b> Absorption of sound		
C Refraction of sound	D As a decorative material	1 Mark	
Q19.A body rolling down a hill has:	C Noithau K E way DE	1 Wark	
A K.E. only  Q20.Before playing the orchestra in a musical concert, a sitaris  By doing so he is adjusting:	Neither K.E. nor P.E. <b>D</b> Both K.E. and P.E st tries to adjust the tension and pluck the strings suitably.	1 Mark	
<ul><li>A Intensity of sound only.</li><li>C Frequency of the sitar string with the frequency of other musical instruments.</li></ul>	<ul><li>B Amplitude of sound only.</li><li>D Loudness of sound.</li></ul>		
Q21.When sait is dissolved in water		1 Mark	
Q21.When salt is dissolved in water?  A The particles of water get into the spaces between particles of salt	<b>B</b> The particles of salt get into the spaces between particles of water	1 Mark	
<ul><li>A The particles of water get into the spaces between particles of salt</li><li>C The particles of salt sit on the top of particles of water</li></ul>			
<ul><li>A The particles of water get into the spaces between particles of salt</li><li>C The particles of salt sit on the top of particles of</li></ul>	particles of water  D The particles of water sit on the top of particles of	1 Mark 1 Mark	
<ul> <li>A The particles of water get into the spaces between particles of salt</li> <li>C The particles of salt sit on the top of particles of water</li> <li>Q22.Why does a mug full of water feel lighter inside water:</li> <li>A Because of Buoyant force</li> </ul>	particles of water  D The particles of water sit on the top of particles of salt  B Because of Gravitational force		
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A The particles of water get into the spaces between particles of salt  C The particles of salt sit on the top of particles of water  Q22.Why does a mug full of water feel lighter inside water:  A Because of Buoyant force C Because of an increase in velocity  Q23.The depth of ocean at any place can be measured (estimated)  A X rays B Ultrasonic waves  Q24.Seema visited a Natural Gas Compressing Unit and found temperature and pressure. While sharing her experience	particles of water  D The particles of water sit on the top of particles of salt  B Because of Gravitational force D Because of its kinetic energy ated) with the help of:  C Radio waves D Ultraviolet rays that the gas can be liquefied under specific conditions of	1 Mark 1 Mark	
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<ul> <li>A The particles of water get into the spaces between particles of salt</li> <li>C The particles of salt sit on the top of particles of water</li> <li>Q22. Why does a mug full of water feel lighter inside water: <ul> <li>A Because of Buoyant force</li> <li>C Because of an increase in velocity</li> </ul> </li> <li>Q23. The depth of ocean at any place can be measured (estimated)</li> <li>A X rays</li> <li>B Ultrasonic waves</li> <li>Q24. Seema visited a Natural Gas Compressing Unit and found temperature and pressure. While sharing her experience correct set of conditions: <ul> <li>A Low temperature, low pressure.</li> <li>C Low temperature, high pressure.</li> </ul> </li> <li>Q25. The property of ultrasonic waves used in manufacturing experience waves used in manufacturing experience waves used in manufacturing experience.</li> </ul>	particles of water  D The particles of water sit on the top of particles of salt  B Because of Gravitational force D Because of its kinetic energy ated) with the help of:  C Radio waves D Ultraviolet rays that the gas can be liquefied under specific conditions of with friends she got confused. Help her to identify the  B High temperature, low pressure. D High temperature, high pressure. emulsion for photographic films is its:	1 Mark 1 Mark	
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C It has become a trend a the bags with wide strip Q27.What happens when pror		of the shoulder of the c	of the bag over the small area child producing less pressure. esition?	1 Mark
A It compresses surrounding a  C It reflects surrounding a  Q28. Why do we wear cotton of	air molecules	<ul><li>B It expands surrounding</li><li>D It deflects surrounding</li></ul>		1 Mark
·	<b>B</b> It leads to sweating	<b>C</b> Both a and b ation?	<b>D</b> None of above	1 Mark
A A car driving straight to constant speed		<b>B</b> A truck rounding a corn	er at a constant speed	
C A van slowing down as Q30. Which of the following pa		<b>D</b> None of these ness of sound?		1 Mark
A Frequency Q31. Animal husbandry is the s 1. Animal breeding. 2. Culture of animals. 3. Animal livestock. 4. Rearing of animals.	<b>B</b> Amplitude scientific management of:	C Wavelength	<b>D</b> Speed	1 Mark
A (i), (ii) and (iii) C (i), (ii) and (iv) Q32.Choose the correct stater	nent(s):	<b>B</b> (ii), (iii) and (iv) <b>D</b> (i), (iii) and (iv)		1 Mark
	es place along the direction of	<b>B</b> If no force acts, the boo	ly is at rest	
<b>C</b> A body in motion, need	I not be acted upon by a force	<b>D</b> A change in speed is alw is applied on the movin	•	
Q33.When we increase the loa	udness of sound of a TV, the pr	operty of sound that change	es is:	1 Mark
A Amplitude  Q34. A water tank filled upto - water in the tank would:	<b>B</b> Frequency of its height is moving with a	C Wavelength uniform speed. On sudden	<b>D</b> Speed application of the brake, the	1 Mark
A Move backward  Q35.In which state of matter, p	<b>B</b> Move forward process of diffusion is fastest?	<b>C</b> Come to the rest	<b>D</b> Be unaffected	1 Mark
A Liquids  Q36.A quiet sound is produced  Which property of the so		<b>C</b> Solids ess of the sound is increased.	<b>D</b> Semi - solids	1 Mark
<b>A</b> Amplitude	<b>B</b> Frequency	<b>C</b> Speed	<b>D</b> Wavelength	
	ood reaches you several meter natter does this activity show:		of the cold food you have to go	1 Mark
	A Particles of matter have space		<b>B</b> Energy of particles of matter increases with increase in temperature	
C Particles of matter attra Q38.Heat of fusion is the proc		<b>D</b> None of the above		1 Mark
A Liquid into gas  Q39.Apparent loss of weight o	<b>B</b> Solid into gas of a body when immersed in a l	<b>C</b> Solid into liquid iquid can be explained on th	<b>D</b> Liquid into solid se basis of:	1 Mark
A Molecular theory  Q40.What is the effect of pres	<b>B</b> Electron theory sure on gas:	<b>C</b> Archimedes' principle.	<b>D</b> Bernoulli's principle.	1 Mark
<ul> <li>A Volume of gas decreases with increase in pressure</li> <li>C Both a and b</li> <li>Q41. In a compound, the ratio of the atoms or element by mas</li> </ul>		B Volume of gas increases with increase in pressure     D Pressure has no effect on gas     ss remains always the same irrespective of:		1 Mark
A Temperature  Q42.Which type of tissue form	<b>B</b> Nature of compound	<b>C</b> Source of compound	<b>D</b> Size of compound	1 Mark
A Connective  Q43.Which of the following is position?	<b>B</b> Epithelial an example of zero work even	C Nervous when the body suffers a disp	<b>D</b> Muscle placement from its initial	1 Mark

forward on a horizo		<b>B</b> A fielder catching		
<b>C</b> A child pushes a war <b>O44.</b> The splash is heard 2.	III 05s after the stone is dropped int	<b>D</b> A child pulling a to to a well of depth 19.6m	•	1 Mark
<b>A</b> $342 \text{ms}^{-1}$	<b>B</b> 372ms <sup>-1</sup>	<b>C</b> 392ms <sup>-1</sup>	<b>D</b> 352ms <sup>-1</sup>	21010110
	g statements given below is corre			1 Mark
	t are incapable of cell division.	<b>B</b> Is made of cells th	at are capable of cell division. ore than one type of cell.	
Q46.Which of the followin	g statements about Rutherford's	model of an atom are co	orrect?	1 Mark
A It considered the n	ucleus is positively charged.	<b>B</b> It established that heavy as a hydrog	the $\alpha$ -particles are four times as en atom.	
C It can be compared Q47. Which of the followin	•	<b>D</b> It was in agreeme	nt with Thomson's model.	1 Mark
A An object can have velocity.	acceleration, but constant	<b>B</b> The velocity of an acceleration is not	object may be zero but zero.	
C Distance and the magnitude of displacement are equal in circular motion.			D Average speed and the magnitude of average velocity are always equal in circular motion.	
Q48.A cell placed in hypot	onic solution bursts up. It is:			1 Mark
A Animal cell.	<b>B</b> Bacterial cell.	C Fungal cell.	D Plant cell.	
<b>Q49.</b> A long tree has severa	al branches. The tissue that helps	•	tion of water in the branches is:	1 Mark
A Collenchyma.	<b>B</b> Xylem parenchyma.		<b>D</b> Xylem vessels.	
	g characteristic can be obtained v			1 Mark
<b>C</b> Increased lifespan	p in a shorter period of time of crops by 10 years g is/are true as per Thomson's m	<b>B</b> Cropping without <b>D</b> Carrying out phot  odel of atom:		1 Mark
A An atom is not elec			ively charged sphere with electrons	
C Negative and positi in magnitude.  Q52.On what factor does s	ve charges in the atom are equal	D None of the above	9	1 Mark
		C Frague and afthe	accord D Name	1 Widin
Q53. The ratio of force and	• • • •	<b>C</b> Frequency of the s		1 Mark
A Mass	B Impulse	C Momentum	<b>D</b> None of these	4.54
	ne only when the force applied o	•		1 Mark
A Work Q55.Intestine absorbs the	<b>B</b> Momentum digested food materials. What ty	<b>C</b> Retardation pe of epithelial cells are	<b>D</b> None of these responsible for that?	1 Mark
A Stratified squamou	s epithelium	<b>B</b> Columnar epitheli		
C Spindle fibres  Q56.Buoyant force is direct	ted:	<b>D</b> Cuboidal epitheliu	ım	1 Mark
A Upwards  Q57.Slope of a velocity – t	<b>B</b> Downwards ime graph gives:	<b>C</b> Sideways	<b>D</b> At II directions	1 Mark
A The distance.  Q58. Tendons and ligament	<b>B</b> The displacement.	<b>C</b> The acceleration.	<b>D</b> The speed.	1 Mark
A Dense connective t	issue.	<b>B</b> Loose connective	tissue.	
<b>C</b> Muscular tissue. <b>Q59.</b> Osmosis is the diffusion	on of:	<b>D</b> Vascular tissue.		1 Mark
A Solute	<b>B</b> Free energy	<b>C</b> Water	<b>D</b> Solute and solvent	
Q60 plays a cruc	ial role in detoxifying many poiso	ons and drugs in a cell.		1 Mark
A Golgi apparatus		<b>B</b> Lysosome		
<b>C</b> Smooth endoplasm	ic reticulum	<b>D</b> Vacuole		