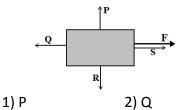
Γ	1	ාපන දෙපාර්තමේන්තුව ion Wastern Province		
Department of Education - Western Province පළමු වාර ඇගයීම - 2018				
First Term Evaluation - 2018				
ලේණිය 10 Grade 10 Subject	Science	පතුය Paper I	(ﷺ) and the second sec	
Underline the correct answer.01) The Element which contains the least percentage in human body based on mass is,1) O2) C3) H4) N				
 O2) Select the answer which contains only the pair of vector quantities, 1) Distance, Displacement 2) Displacement, Velocity 3) Velocity, Speed 4) Speed, Acceleration 				
03) The nuclear model of th 1) J. J. Thompson	e atom was introduce 2) Neils Bohr	d for the first time by, 3) Ernest Rutherford	4) Thales	
04) The sugar which is not p 1) Lactose	present in plants, 2) Fructose	3) Sucrose	4) Glucose	
05) The standard unit of acc 1) m ² s ⁻²	celeration is, 2) ms ⁻²	3) ms ⁻¹	4) ms	
06) Which of the following 1) P	; element makes an am 2) Mg	nphoteric oxide? 3) Al	4) Si	
07) A deficiency symptom of vitamin 'c' is,1) Night Blindness.3) Deforming of bones.4) Dryness in skin.				
08) If a certain vehicle trave 1) 5ms ⁻¹	els a distance of 600m i 2) 10ms ⁻¹	in 2 minutes, the mean 3) 30ms ⁻¹	speed of the vehicle is, 4) 50ms ⁻¹	
09) The unit of measuring io 1) kJmol ⁻¹	onization energy is 2) molkJ ⁻¹	3) gmol⁻¹	4) kJmol	
 10) Fatty acids + Lipids + water Select the component suitable to fill the above blank from the Following answers 1) Amino acids 2) Glycogen 3) Galactose 4) Glycerol 				
11) What is the correct stat Displacement			tion?	
	2) The veloo 3) The acce	sverse distance of the o city of the object is give leration of the object is nentum of the object is	n by P/Q given by P/Q	
	Time			

12) What is the electro 1) 2, 3	onic configuration of 2) 2, 3, 8	an element when th 3) 2, 8, 3	e atomic number is 13? 4) 2,8,13		
13) What is the organe 1) Mitochondrion	elle which <u>does not</u> o 2) Ribosome	contain a membrane? 3) vacuole	4) Golgi Complex		
14) The amount of ma 1) Mass	tter contained in an 2) Volume	object is known as, 3) Weight	4) Density		
15) Which of the following allotropes of carbon is used for making electrodes of electrochemical cells?					
1) Charcoal	2) Diamond	3) Graphite	4) Amorphous carbon		
 16) Growth of a cell is correctly known as, 1) Changing the shape of the cell 2) The increase of dry mass of the cell 3) The increase of size of vacuole of the cell 4) The increase of the mass of the cell 					
17) Y ▲ A graph for a motion drawn by a student is shown in the following diagram , if it depicts an object in rest what would be the appropriate quantities for X and Y respectively					
1) Time and speed 2) Distance and time		3) Time and velocity4) Time and displacement			
18) The Formula of nitrate of element Y is Y(NO3)2 , what is the most suitable answer for element Y.1) Na2) Mg3) Al4) K					
19) N, K, Fe are neede condition in leaves	-	ts. Deficiency of whic	h element/s causes chlorosis		
1) N only	2) K only	3) Fe only	4) N, K, Fe		
 20) According to the 3rd law of Newton, the reaction which acts against a particular action is, 1) Similar in direction 3) Perpendicular in direction 4) Dissimilar in Magnitude 			tude		
21) Which of the following element is stored in the laboratory under special safety precaution ?					
1) Copper	2) Sulphur	3) Sodium	4) Aluminum		
22) A significant featu	re common to all car	bohydrates, Proteins	and Lipids,		
1) Acts as an energy source 2) Acts as enzymes					
3) Acts as hormones 4		4) Help for conservation of water			
23) Which of the following is demonstrated by the activity shown in the diagram					
		wton's first Law			
	4 - 1	2) Newton's second Law			
		3) Newton's third Law			
4) Newton's all 3 Laws					

- 24) What is the incorrect statement regarding the isotopes of the same element?
 - 1) Electronic configuration is equal 2) Number of protons are equal
 - 3) Mass number is equal 4) Number of electrons are equal
- 25) The specimen used during the first observation of cells under a microscope is
 - 1) A cross section of a bee hive 2) A piece of
 - 3) A peel from the lower surface of a plant leaf
- 2) A piece of an onion peel
- af 4) A section of a cork
- 26) The mass and weight of an object measured at the sea level is taken to a mountain top in the same condition, therefore ,
 - 1) The mass of the object reduces 2) The Weight of the object reduces
 - 3) The mass of the object increases 4) The Weight of the object increases
- 27) The element X forms the oxide X2O with Oxygen. Then the formula of carbonate of element X is,1) X2CO32) XCO33) X(CO3)24) X3CO2
- 28) The cellular organelle which is arranged as a collection of flattened sacs is the1) Mitochondrion2) Chloroplast3) Endoplasmic reticulum4) Golgi complex
- 29) This diagram shows an object being pulled by force "F" along a horizontal plane as seen from above. The frictional force acts on the object is shown correctly by ,

3) R



30) Consider following statements regarding the valency

a) The valency is the combining ability of an atom of an element

b) The combining power is measured relative to H

c) The electrons present in the first shell of an atom of an element are the valency electrons True statements are,

1) a and b only 2) b and c only 3) a and c only 4) a ,b , c all

31) Facts regarding the plasma membrane are given below

a) It is only present in animal cells

b) A semi permeable membrane

c) It is made-up of phospholipids and proteins

True from above,

1) a and b only 2) a and c only 3) b and c only 4) a ,b , c all

- 32) John uses a pulley to draw water from his well. He experienced a loud noise and noticed that it was difficult to draw up water while using it. A solution for the above problem is,
 - 1) Remove the pulley and fixing it again 2) Apply oil to the axis of the pulley
 - 3) Apply oil to the groove of the pulley
- 4) Rotate the pulley firmly

4) S

33) When studying animal cells, steps of preparing a slide with cheek cells are stated below

- a) Transfer the sample of cheek cells from the cheek on to a clean slide
- b) Scrape the cheek cells using a yoghurt spoon
- c) Observe it under the low power through the microscope

d) put a drop of water on it and cover by a cover slip without trapping air bubbles The correct sequence of the above activity is,

 1) a,c,b,d
 2) b,d,a,c
 3) b,a,d,c
 4) a,b,c,d

34) What is the momentum of a vehicle of mass 200 kg , moving at a velocity of 8 ms $^{-1}$				
1) 200 x 8 kgms ⁻¹	2) 200/8 kgms ⁻¹	3) 8/200 kgms ⁻¹	4) 200+8 kgms ⁻¹	

35) Three facts about nucleic acids are stated below

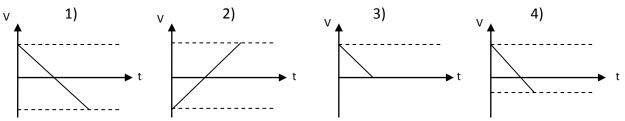
a) Store genetic information of organisms

- b) All the diseases caused to organisms transfer from generations to generation
- c) Important in protein synthesis
- 1) a and b only 2) b and c only 3) a and c only 4) a ,b , c all
- 36) A barrel of mass 25 kg is placed on a horizontal plane. When a force of 350 N is applied on it, the acceleration of the barrel is

1) $350/25 \text{ ms}^{-2}$ 2) $25/350 \text{ ms}^{-2}$ 3) $350 \times 25 \text{ ms}^{-2}$ 4) $350 \times 25 / 1000 \text{ ms}^{-2}$

- 37) Regarding the following facts about proteins, Protein is,
 - 1) A simple molecule made up of amino acids
 - 2) A simple molecule made up of fatty acids
 - 3) A complex molecule made up of amino acids
 - 4) A complex molecule made up of fatty acids

38) A ball projected upwards from the school ground got stuck on the roof of a building while falling down. What is the most suitable velocity time graph from the following to illustrate this incident?



39) Accident faced by 3 students in a laboratory and the first aid treatments given to them are mentioned below (they are not in the correct order)

accident	First aid treatment
a) Burning caused by acids	a) Cool the relevant place as much as possible with cool water
b) Burning caused by bases	b) Wash with water and sprinkle with NaHCO $_3$
C) Burning caused by fire	c) Wash under running water / apply 1% acetic acid

Select the accident with the correct treatment in order

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      1) b,c,a
      2) c,a,b
      3) a,b,c
      4) b,a,c
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- 40) What would you do if an instrument is damaged by you while you are doing activities in the laboratory?
 - 1) Inform the principle
 - 2) Inform the disciplinary committee
 - 3) Hide the instrument
 - 4) Inform the teacher in charge of science