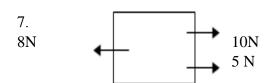
	Department of	Education –Weste	ern Province	
	Second te	rm Test Evaluatior	-2018	
Grade 10	Subject - Scie	ence	Paper -1	Time – 1 hour
Name:-		Ir	ndex Number:	
Note –				
or most appropri	estion 1 to 40,Pick one o			
1. Theory of cell was in	ntroduced by			
1) Schleiden and Sch	wann 2) Robert H	ooke 3) Carl	Woese 4)Alex	ander Flemne
2. Select incorrect answ	ver about nucleic acid	that contained in	living matter	
1) Store genetic mater	rials of organisms			
2) Variations are occu	arred due to mutations	of DNA molecu	le	
3) Some viruses conta	ain both DNA and RN	A		
4) Important to systhe	esis of protein in the or	ganisms		
3. Cramps and Nausea element. What is that		ms of human boo	ly due to lack of	a certain
1) Sodium	2) Potassium	3) Iodine	4) Phos	phorous
4. At which instance co	ontain 1 mol of substan	ces from followi	ngs? (H-1, C-12,	o-16)
1) Hydrogen atom of	2g of hydrogen			
2) Oxygen atoms of 8	g of oxygen			
3) Water molecules o	f 8g of water			
4) Methane molecules	s of 16g of methane			
5. When heating a certa powder. What is tha	t element?		_	white colour
1) Fe	2) Al	3) Mg	4)Pb	
6. If a vehicle needs 5s 1) 75ms ⁻¹	to complete 15m. Find 2) 10ms ⁻¹	the mean speed 3) 3ms ⁻¹	of it? 4) 20ms	s^{-1}



This picture shows 3 forces acting on an object. Find the direction and the magnitude of the forces that should be applied to keep the object at rest?

- 1) I5N

- 4) 23N
- 8. Human nitrogenous excretion process mainly done by
 - 1) Kidney
- 2) Skin
- 3) Lungs
- 4) Bladder
- 9. The molecular formula of water is H₂O. The number of atoms in 18g of water is (H-1, O-16)
 - 1) 6.023×10^{23}
- 2) $6.023 \times 10^{23} \times 3$
- 3) $2x6.023x10^{23}$
- 4) $6.023 \times 10^{23} \times 18$
- 10. $^{35}_{17}X$ Number of neutrons present in the element is
 - 1) 18

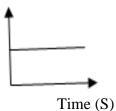
- 2) 17
- 3) 35
- 4) 52
- 11. What is the relevant displacement time graph when an object moving uniform velocity

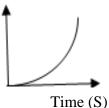
Displacement (m)

Displacement(m)

Displacement(m)

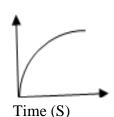
Displacement (m)







Time (S)



- 12. Select the instance which is not an example for couple of forces of moment
 - 1) Rotating the steering wheel
- 2) Opening a tap
- 3) Rotating a nut using spanner
- 4) Unscrewing a nail with a screw driver
- 13. Function of the smooth endoplasmic reticulum of a cell
 - 1) Secretion

2) Do the respiratory reactions

3) Synthesis of protein

4) Transport and production of lipids and

steroids

- 14. What is the instance that meiosis can takes place?
 - 1) Development of somatic cells
- 2) Development of embryo

3) Production of sperms

- 4) Division of molula
- 15. Who introduced the periodic table at first as the classification method of elemets
 - 1) Niels Bohr

2) Mendeleeff

3) Ernest Rutherford

4) John Dolton

16. Which element ha	ch element has the highest electronegativity according to Pauling Scale?					
1) F	2) Cl	3) N	4) P			
17. R (Perpendicular Reaction)		If the perpendicular reaction is 100N. What is the mass ofthe object?				
		1) 100kg	2) 10g			
		3) 10kg	4) 0.1kg			
w (v	Veight)					
18. What is the instar	nce mention below w	hich increase the fricti	onal force.			
a) Applying sand on railway line when travelling hill countries						
b) Applying Boric powder on caram boards						
c) Using a rope when climbing trees						
1) a and c	2) a and b	3) b and c	4) All a,b and c			
19. What is the disea	se which causes due	to lack of vitamin A				
1) Scurry		2) BeriBeri				
3) Bito patches in the eye		4) Osteoporosis				
organisms	answer the appendag	es, are used for location	on by following unicellular			
1) Flagella, cilia, pseudo podia		2) pseudo podia	2) pseudo podia, cilia, flagella,			
3) Flagella, pseudo podia,cilia		4) cilia, pseudo	4) cilia, pseudo podia,flagella			
21. The ring A is in e that acting on the ring	=	action of shown syste	em of forces. The resultant force			
1) 50N force upward		2) 50 N force d	2) 50 N force downward			
3) Zero		4) None of abo	4) None of above			

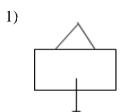
22. 19 protons are contained in an atom named R. Select the stable electronic configuration of the iron formed by R.

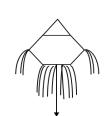
- 1) 2,8,7
- 2) 2,8,8,1

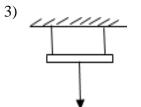
2)

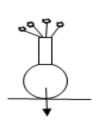
- 3) 2,8,8,2
- 4) 2,8,8

23. What is the respond which shows equilibrium on object of under 3 parallel forces.









24. What is the momentum of a vehicle mass with 1000kg when it's travelling 20ms⁻¹velocity?

1) $\frac{1000}{20 kgms}^{-1}$

2) 1000 x 20kgms⁻¹

 $3)^{20}/_{1000kgms}$

4) $\frac{1}{2}$ x 1000 x 20 kgms⁻¹

25. Select the correct scientific name of human according to binominal nomenclature

1) Homo Sapiens

2) Homo sapiens

3) Homo sapiens

4) homo Sapiens

26. A certain element

- Have allotropes in nature
- High Boiling point
- Use for extraction of metals

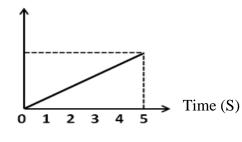
What is that element?

- 1) Carbon
- 2) Sulphur
- 3) Aluminum
- 4) Potassium

27. Following velocity (V) time (T) graph shoes 4ms^{-2} acceleration. What is the Final velocity of it

Velocity (ms⁻¹)





1) 10ms⁻¹

2) 20ms⁻¹

3) 0.8ms⁻¹

4) 0.4ms⁻¹

28. Select the answer which is not required for equilibrium of an object under 2 forces.

- 1) Two forces are same in magnitude
- 2) Twoforces are acting on same line
- 3) Two forces are same in direction
- 4) Resultant is zero of both forces

29. After releasing one ovule from one ovary how long does it takes to issue an ovule again from the same ovary.

- 1) 56 days
- 2) 28 days
- 3) 14 days
- 4) 30 days

30. Select the adaptation that shows by flowers of coconut tree to avoid self-pollination

1) Hercogamy

- 2) Having extrose stamens
- 3) Having unisexual flowers
- 4) Self-sterility

31. Select correct statement about speed and velocity

- 1) Speed is vector quantity and velocity is scaler
- 2) When an objects falls down velocity is gradually decreased
- 3) Always velocity of a moving object is constant
- 4) The magnitude and direction are not changed when object is in uniform velocity

32. Which factor is constant at always with the time when a fruit is fulling to ground (consider No, resistance of air)

- 1) Acceleration
- 2) Speed
- 3) Velocity
- 4) Displacement

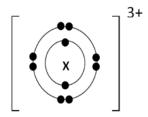
33. Following are few common features belongs for a group of organism.

- Triploblastic, coelomic, posses jointed limbs
- Form tagma by collecting several segments
- Show sexual dimorphism

What is the name of the group of organism which show above features?

- 1) Echinodermata 2) Mollusca
- 3) Mammalia
- 4) Arthropoda

34.



What is the place of element in the periodic table which form

- 1) 2nd period, 2nd group
 2) 2nd period, 3rd group
 3) 3rd period, 2nd group
 4) 3rd period, 3rd group

35. The object with mass 'm' moves in acceleration of 'a' when the resultant force is 'f' on the object'. What is the correct relationship among a, m and f?

- 1) a=f/m
- 2) a=m/f
- 3) a=f x m
- 4) af/m

36. Following statements are related with ionic compounds.

- a) Ionic bonds are formed by sharing of electrons
- b) Ionic compound have low melting points/boiling points
- c) Aqueous solutions of ionic compounds have positive ions and negative ions
- d) Aqueous solutions of ionic compounds can conduct electricity

Correct statements are 1. a and b

- 2. b and d
- 3. c and d
- 4. a and d

37. Write proper values for (a), (b), (c) respectively mention in table given below.

Element	Atomic number	Mass number	Number of protons	Number of neutrons
Н	(a)	1	1	0
С	6	(b)	6	6
Al	13	27	©	14

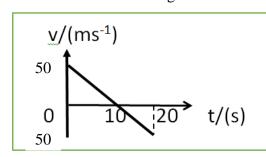
- 1) 1,12,13
- 2) 1,6,13
- 3) 1,12,23
- 4) 0,12,13

38. A₂O is chemical formula of oxide of A what is the chemical formula nitrite of A.

- 1) ANO_3
- 2) A(NO₃)
- 3) A₂NO₃
- 4) $A_3(NO_3)$

39. Following velocity graph represent the motion of a stone thrown upward vertically with initial velocity of 50ms⁻¹

What is the maximum hight stone was reached?



- 1) 50 m
- 2) 250 m
- 3) 270 m
- 4) 20m

40. Select the true statement about human reproduction

- 1) Sexual maturity is only common for female
- 2) Formation of ovules of females start at foetus state
- 3) Pregnancy period of female is about 360 days approximately
- 4) Primary sexual characteristics can be identified with the beginning of adolescence.