න්නේ විශ්ය විද් හඳුනාන්තු ජික <b>් වි</b> ද්ය	අත් විද්යාල්කයක් වනට විද්යාල්කයක් වනට විද්යාල්කයක් සිතර විද්යාල්කයක්ත පිතර විද්යාල්කයක් පිතර විද්යාල්	nilicoe Sa 2A E
	தரம் 10 - முதலாந் தவணைப் பரீட்சை (மாலுக் க	ணை) - 2022 022
විදහව	தரம் 10 - முதலாந் தவணைப் பரீட்சை (முதலாம் தவக Grade 10 – Special Evaluation (First Term) - 20	க்கைன்) - 2022 022
	தரம் 10 - முதலாந் தவணைப் பரீட்சை (மாலுக் க	නාශා) - 2022 022 පැය දෙකයි

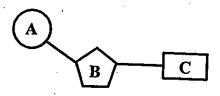
- 01. What is the type of polysaccharide stored in plant leaves,
  - 1. Cellulose 2. Glycogen 3. Starch
- 02. Identifying by using the Benedict solution,
  - 1. Starch 2. Glucose 3. Glycogen 4. Cellulose
- 03. The false statement regarding proteins,
  - 1. Consisting C, H, O and N
- 2. It's a biological molecule

4.

Sucrose

3. Act as hormones

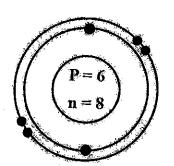
- 4. Its important for storing water
- 04. What is the reason for chlorosis near the veins of leaves,
  - 1. Lack of N 2. Lack of S 3. Lack of Fe 4. Lack of P
- 05. The diagram illustrate the structure of Nucleotide,



Name the A, B, C accordingly,

- Nitrogenous base, Pentose Sugar group, Phosphate group
   Phosphate group, Pentose Sugar group, Phosphate group
- Phosphate group, Pentose Sugar group, Nitrogenous base
- 3. Pentose Sugar group, Nitrogenous base, Phosphate group
- 4. Phosphate group, Nitrogenous base, Pentose Sugar group

The electronic configuration of an atom, 06.



What is the true statement about the atom,

- 1. Atomic number is 8
- Atomic mass number is 13 2.
- Electronic configuration is stable 3.
- 4. Atomic number is 6

Answer (7), (8), (9) and (10) questions by using the below mentioned periodic table.

A	В	C	D	E	F
G				Н	

- **07**. Select the Bi-valent nonmetal,
  - 1. В
- 2.  $\mathbf{C}$
- 3. D
- 4. E
- Select the element is having highest electron negativity, 08.
  - 1. A
- 2. E
- 3. F
- G
- Select the element is having least first ionization energy, 09.
  - A
- 2. E
- 3. F
- 4. G
- The formulae of a compound is forming between E and G, 10.
  - 1. EG<sub>3</sub>
- 2.
- 3.
- G<sub>2</sub> E
- 4. **GE**

- The correct formulae of sodium carbonate, 11.
  - 1. Na<sub>2</sub> Co<sub>3</sub>
- 2. Na (Co<sub>3</sub>)<sub>2</sub>

 $E_2G$ 

- 3.
  - Na Co<sub>3</sub>
- 4. Na<sub>2</sub> (Co<sub>3</sub>)<sub>2</sub>
- Which element is using to produce milk of magnesia, 12.
  - 1. Na
- 2. S
- 3. Ca
- 4. Mg

- 13. Which gas used to fill-up thermometers,
  - 1.  $O_2$
- 2.
- $Cl_2$
- 3.  $N_2$
- 4.

 $F_2$ 

14. What is the word using for rate of changing velocity,

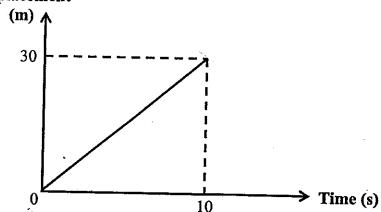
- 1. Velocity
- 2. Speed
- 3. Displacement
- 4. Acceleration

15. Select answer is having only vector quantities,

- 1. Distance γ Displacement
- 2. Speed  $\gamma$  velocity
- 3. Displacement  $\gamma$  Velocity
- 4. Acceleration  $\gamma$  speed

16. This is a displacement – time graph for a moving object,

Displacement



Select the false statement,

- 1. The object is moving with an uniform velocity.
- 2. The force exerts on the object is zero.
- 3. The velocity of the object increases with time.
- 4. The object is having a linear motion.

17. The correct measuring unit for Accelerations,

- 1. ms<sup>-1</sup>
- 2. ms<sup>-2</sup>
- 3. ms
- 4. Nm

18. An object is moving 600 m within 2 minutes what is the speed of the object,

- 1. 300 ms<sup>-1</sup>
- 2. 100 ms<sup>-1</sup>
- 3. 50 ms<sup>-1</sup>
- 4. 5 ms<sup>-1</sup>

- 19. What is the acceleration of the car,
  - 1.

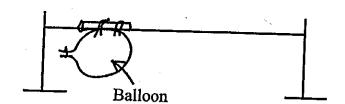
2.  $1000 \times 500 \, ms^{-2}$ 

3.

- 4.  $1000 - 500 \ ms^{-2}$
- 20. Due to deficiency of vitamin A,
  - Teeth decoying 1.
  - Effect for blood clotting 3.

- 2. Cetadation of houes
- Night blindness 4.

21.



Which is illustrate by the above diagram,

- 1. Newton's 1st law 3.
  - Newton's 3rd law

- 2. Newton's 2nd law
- 4. Momentum
- 22. What is the velocity of a vehicle is moving 200 m in 10 S,
  - 1. 2 ms<sup>-1</sup>
- 2. 200 ms<sup>-1</sup>
- 20 ms<sup>-1</sup> 3.
- 4. 0.2 ms<sup>-1</sup>

- Select the correct answer regarding isotopes, 23.
  - Having different atomic numbers. 1.
- 2. Having the same atomic mass number.
- Having the same atomic of neutrons. 3.
- 4. Having the same atomic protons.
- Who was the scientist discoved cell, 24.
  - 14. Glyten
- 2. Shewann
- 3. Radolf
- 4. Robert Hook
- What is the organelle can be observed through light microscope, 5.
  - 1. Nucleous
- 2. Golgi complex
- 3. Mitochondria
- 4. Above all

26.	What is the below mentioned organelle and its function,										
	• (	STATE OF THE PARTY	1. 2. 3. 4.	Golgi comp Ribosome Chloroplas Mitochond	t -	Secre Serra	etion etion of prote tion of stevoi iration				
27.	Cell	wall of plant of	cell is t	ouild up by,							
	1.	Proteins	2.	Lipids	3.	Cellu	lose 4.	Lactose			
28.	The	non-living thi	ng in a	cell,							
	1.	Cell wall	2.	Cell memb	rane	3.	Golgi Com	plex 4.	Nucleous		
29.	The	energy get pro	duce in	n a cell by,							
	1.	Necleous	2.	Chloro plas	st 3	. M	litochondria	4. Gol	lgi Complex '		
30.	Not a	a special chara	cteristi	ic of water,							
	1. 3.	Act as a cool It's a good s				2. 4.		h specific hea boiling poin			
31.	The object is situated on the ground projected vertically upwards by velocity of 40ms <sup>-1</sup> . What its velocity in 6 seconds?										
	1.	0	2.	5 ms <sup>-1</sup>	3.	10ms	-1 <b>4</b> .	20ms <sup>-1</sup>			
32.	What	t is the purpos	e doing	g bi-urette test	t <b>,</b>						
	1. 3.	Identifying I		S		2. 4.	Identifying Identifying	Lipids monosaccha	ride		
33.	The object is projected vertically upwards of the velocity of 60 ms <sup>-1</sup> . What is the time duration when its reaches the maximum height,										
	1.	60 S	2.	30 S	3.	10 S	<sub>9</sub> . 4.	6 S			
34.	Its no	ot a form of Ca	arbon,								
	1.	Graphite	2.	Diamond	3.	Coal	4.	Dry ice			
35.	In wh	nich element t	he elec	tronic negativ	ity wor	i't be co	onsidered,				
	1.	Na	2.	C	3.	0	4.	Ne	·		
36.	Whic	h element giv	es lumi	inous white fl	ame by	heating	g?				
	1.	Na	2.	Mg	3.	Ca	4.	Al			
		•				,					

37.	<ul> <li>A - Electron negativity get increases from left to right in a period.</li> <li>B - The first group of elements are having the highest first ionization energy.</li> <li>C - Electron negativity get decreases from top to the bottom of a group.</li> </ul>											
	. Wh	at are the true			٠.			O T				
	1.	A & B	2.	В&С	3.	A & C	4.	A, B & C				
38.	The	monosaccha	ride wo	n't have swee	t taste,	N.						
	1.	Glucose	2.	Fructose	3.	Galactose	4.	Maltose				
39.	Nun	Number of H atoms are present in a (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> ,										
	1.	2	2.	4	3.	8	4.	12				
40.	Whic	ch element is	having	the density le	ss than	water,						
	1.	Na	2.	Ca	3.	Mg	4.	Al				
		•										
		٠.										
							·					

St. Peter's College's Experis Co which Bod Bengamen Bod pole Bod and the College	වුහල යාත්ත කියට විදුහල කාත්ත පිතර විදුහල යාත්ත මහේ විදුහල කාත්ත පිතර විදුහල යාත්ත විහර විදුහල කාත්ත පිතර විදුහ ලංකාවේ පත්ද වියදුතු ක්රමුණ් පත්ද මියුණු ක්රමුණ් පත්ද පත්ත වියදුතු ක්රමුණ් පත්ද වියදුතු ක්රමුණ් පත්ද වි වියදුතු St. Peter's College St.	34 E II
	10 <b>ඉ</b> ஞ்ணீக — <b>විශේෂ ඇ</b> ගයිම (පළමු චාරය) - 2022 தரம் 10 - முதலாந் தவணைப் பரீட்சை (முதலாம் தவகை Grade 10 – Special Evaluation (First Term) - 202	жт) - 2022
විදහාව Science		වැය එකයි One hours

	<u>Part - II</u>	
• An	swer only 3 questions.	
01. A. i.	What are the most common 04 elements in the living body.	(02)
ii.	Write down 04 types of biological molecules.	(02)
iii.	Write down one significance to each of these biological molecules.	(04)
iv.	Write down how to identifying glucose by using the benedict solution.	(02)
v.	What are the colour changes in that activity.	(02)
B. i.	Write down deficiency symptoms for the each element separately.	
	a. Sodium b. Magnesium c. Iron	(01) (01) (01)
ii.	Write down the vitamin caused the below mentioned deficiency symptom	IS.
	<ul><li>a. Night blindness</li><li>b. Scurvy</li><li>c. Beri beri</li></ul>	(01) (01) (01)
C.	Write down 02 specific properties in water for the continuation of life.	(02)
02. A. i.	Write down the meanings of Atomic number and atomic mass number.	(02)
ii.	Draw the electronic configuration of O atom (Atomic number is 8)	(02)
iii.	Atomic number of Cl is 17 and the atomic mass number is 35. Write downstandard form.	n this data in (02)
B.	Write down the formulas for the below mentioned compounds.	
	<ul> <li>a. Sodium Oxide</li> <li>b. Calcium Carbonate</li> <li>c. Ammonium Sulphate</li> </ul>	(01) (01) (01)

							•						
C.	. i.	Write down 02 phy	sical	or ch	emica	ıl pro	pertie	s of l	Na m	etał.			(02)
	ii.	Write down 02 uses	s of N	la me	tal.				٠				(02)
	iii.	How does this meta	al stor	ed.									(02)
	D: White down the manine of first ionization energy									(02)			
D.	D. i. Write down the meaning of first ionization energy.												
	ii. Which group of periodic table is having the highest first ionization energy.												
	iii.	iii. What is the scale is using to measure electronic negativity.								(01)			
03.	3. i. Write down 03 contents of cell theory.							(02)					
	ii.	Explain briefly hov	v to p	repair	r a sli	de of	a pla	nt tis	sue by	y usir	ıg an	onion	. (03)
	iii.	Write down the na each of them.	mes	of the	e belo	ow m	entio	ned o	organ	elles	and g	give o	ne function of (06)
		(SWE)		-			<u>_</u>	0		),			3
		A				В						C	
	iv.	What are the organ	elles	are pi	resent	in pl	ant c	ell bu	t abs	ent in	anin	nal cel	1. (02)
·	v.	Write down 02 met	hods	of ce	ll div	ision.	•						(02)
	vi.	Which division is t	ake p	lace v	when	the g	amate	es are	form	ing.			(02)
	vii.	Write down 02 diff	erenc	es be	twee	n thes	se 02	meth	ods.				(02)
04. A	•	The below mention	ed ta	ble in	ıdicat	es a r	notio	n of a	n obj	ect.			
	¥	Time (s)	1	2	3	4	5	6	7	. 8	9	10	
					12	16	20	20	20	20	10	0	. •
	<b>Displacement</b>   4   8   12   16   20   20   20   10   0												
	i. Draw the displacement - time graph for the above motion.									(02)			
	ii.	Find the uniform v	elocit	y in f	first 5	seco	nd						(02)
	iii.	Find the uniform v	elocit	y dur	ing la	ast 2 s	secon	ds.					(02)

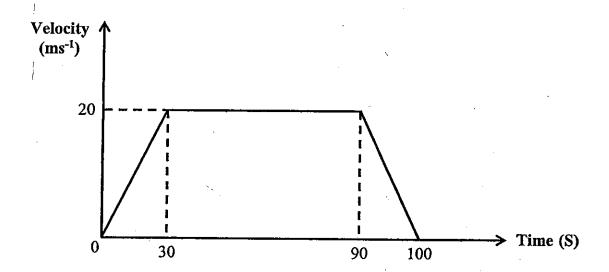
(02)

What is the total distance travelled in this journey?

iv.

- B. i. Write down the meaning of the below mentioned quantities.
  - a. Displacement

- b. Acceleration
- ii. The below mentioned velocity time graph indicate a liner motion of an object.



a. Explain the motion of the object.

(03)

b. Find the acceleration of the object

(02)

c. Find the whole displacement.

(03)