

SUKUNA SECONDARY SCHOOL

Sundarharaincha-10, Morang

(Second terminal examination - 2079)

Class: 11 (Science)

F.M. - 50

Subject: Chemistry

Time: 2 hour

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

GROUP: A

Rewrite the correct options of each questions in your answer sheet.

(1×9 = 9)

1. The symbolic formula of element ${}_{19}\text{K}^{39}$ doesn't indicate?
 - a) atomic no.
 - b) atomic mass
 - c) neutron no.
 - d) proton no.
2. The percentage of oxygen in ethanol is;
 - a) 52.17
 - b) 13.14
 - c) 30.78
 - d) 34.78
3. 2 g of O_2 at NTP has volume:
 - a) 1.4 litre
 - b) 2.8 litre
 - c) 8 litre
 - d) 11.2 litre
4. In Balmer series electron from excited energy level jumps to;
 - a) 1st orbit
 - b) 2nd orbit
 - c) 3rd orbit
 - d) 4th orbit
5. Nitrogen atom should have three unpaired electrons according to:
 - a) Hund's rule
 - b) Heisenberg's uncertainty principle
 - c) Aufbau principle
 - d) Pauli's exclusion principle
6. The amount of substance deposited $W = ZIt$. Which law is represented by this ?
 - a) Avogadro's law
 - b) Faraday's law
 - c) Dalton law
 - d) Boyle's law
7. According to oxidation no. concept, decrease in oxidation no. is called?
 - a) oxidation
 - b) redox reaction
 - c) reduction
 - d) oxidant

8. Cyclohexane is an:
- | | |
|-----------------------|--------------------------|
| a) Aliphatic compound | b) Alicyclic compound |
| c) Aromatic compound | d) Heterocyclic compound |
9. The homologues have nearly the similar chemical properties because of;
- | | |
|--------------------------|---------------|
| a) equal carbons no. | b) catenation |
| c) same functional group | d) All |

GROUP: B

Short answers questions

(5×5 =25)

10. Mole represents number, mass and volume of any particles
- How does mole represent number and volume?
 - A person drink 2kg of water daily. How many molecules of water he drinks in a week?
 - How many numbers of moles of CO will be left when 2×10^{21} molecules are removed from 0.28g of CO? [1+2+2]
11. The chemist is more interesting in the calculation of percentage yield in the industry.
- Define theoretical yield and experimental yield.
 - Define percentage yield.
 - 6.5g of zinc reacts with 7.3 gram of HCl. If experimental yield of hydrogen gas is 0.175g, calculate the theoretical yield and percentage yield. [1+1+3]

OR

11. Define oxidant and reductant. Balance the given chemical equation by oxidation no. or ion-electron method and also specify oxidant and reductant.



12. An atom has 2 electrons in the first orbit, 8 electrons in second orbit and 2 electrons in third orbit.
- Give the electronic configuration of the atom and atomic number of the element.

- ii) Write number of principle quantum number and number of sub shells.
- iii) Write number of s-orbitals and number of p-orbitals electrons.
- iv) What are the quantum numbers for valence electrons of this element?
- v) Write the name of noble gases just before and just after this element.

[1+1+1+1+1]

13. Halogens are highly reactive elements. They have high electronegativity values and they are good oxidizing agents.

- i) What happens when chlorine is treated with excess of ammonia?
- ii) How does bromine react with hot and conc. NaOH?
- iii) Give the correct order of acidic strength of HCl, HBr and HI.
- iv) Why can't HBr and HI be prepared by the action of conc. H_2SO_4 on bromide and iodide respectively? Suggest alternative methods for preparation of HBr and HI.

[1+1+1+2]

OR

13. What are foreign elements? Write examples. Give outline and chemical reaction for the detection of nitrogen in the organic compound. Also write the structural formula for;

(a) 3-hydroxybutanoic acid

(b) 2-amino-3,4-dimethylpent-2-enal [1+2+2]

14. Write the basic postulates of kinetic theory of gas. [5]

Group-C

Long answer questions

(2x8=16)

15. What is limiting reactant? 20g of 40% pure CaCO_3 if reacted with 5g of HCl to give CaCl_2 , H_2O and CO_2 .

- i) Which one is limiting reactant and why?
- ii) Calculate the number of moles of excess reagent left over.
- iii) Calculate the mass of CaCl_2 formed.

- iv) How many numbers of water molecules are produced?
 v) Calculate the volume of CO_2 produced at 27°C and 0.5 atm pressure. [1+2+1+1+1+2]

16.

- (i) Write short note on hydrogen spectrum. [4]
 (ii) Define ECE and 1 Faraday. A metallic spoon is coated with silver by passing a current of 5A through AgNO_3 solution for 5 hrs. What is the thickness of silver plating if the area of the spoon is 12 cm^2 (density of silver is 10.5 g/cc and atomic mass of silver is 108g) [2+2]

OR

Study the given homologous series and answer the following question.

R
$\text{CH}_3\text{-CH}_2\text{-OH}$
S
$\text{CH}_3\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-OH}$

- (i) Define homologous series and functional group.
 (ii) Identify R and S with their mass difference.
 Write their IUPAC names.
 (iii) Write any two characteristics of homologous series.
 (iv) Write the functional group and first three members of aldehyde. [2+2+2+2]

BEST OF LUCK

Sukuna Secondary School

Sundarharaincha-10, Morang

Second Terminal Examination 2079

Class: XI

Sub: Mathematics

F.M. = 50

Time: 2hrs

Group "A"

1 × 4 = 4

1. $\lim_{x \rightarrow 0} \frac{\sin x}{x} = ?$
a. ∞ b. -1 c. 1 d. 0
2. Two matrices A and B are inverse to each other then,
a. $AB=I$ b. $BA=I$ c. $AB=BA$ d. $AB=BA=I$
3. The imaginary part of the complex number $\frac{3+i}{i}$ is,
a. 3 b. -3i c. -3 d. =1
4. If $\sin^{-1} x = \cos^{-1} x$ then $x = ?$
a. $\pm \frac{1}{\sqrt{2}}$ b. 0 c. 1 d. -1

Group "B"

5. Write any two properties of determinants and prove that,
$$\begin{vmatrix} 1 & 1 & 1 \\ a & b & c \\ bc & ca & ab \end{vmatrix} = (a-b)(b-c)(c-a)$$
 (2+3)
6. if α and β be the roots of : $Px^2+qx+q=0$, then 5
Prove that: $\sqrt{\frac{\alpha}{\beta}} + \sqrt{\frac{\beta}{\alpha}} + \sqrt{\frac{q}{p}} = 0$
7. Define complex number. If z and w are two complex numbers, 5
Prove that
 $|z+w|^2 = |z|^2 + |w|^2 + 2\operatorname{Re}(z\bar{w})$
8. Define inverse circular function with examples. (2+3)
Prove that;
$$3\tan^{-1} x = \sin^{-1} \left(\frac{3x-x^3}{1-3x^2} \right)$$
9. Write any three form of indeterminate forms (2.5+2.5)
Prove that: $\lim_{x \rightarrow 0} \frac{\csc x - \cot x}{x} = \frac{1}{2}$

10. Show that the following vectors are coplanar

5

* $5\vec{a}+6\vec{b}+7\vec{c}$, $7\vec{a}-8\vec{b}+9\vec{c}$ and $3\vec{a}+20\vec{b}+5\vec{c}$

Group "C"

11. a. Find the distance between the parallel lines:

2

$y=2x+4$ and $6x-3y=5$

b. Determine the equations of the bisector of the angle between the lines $3x-2y+1=0$ and $18x+y-5=0$.

(4+2)

Identify the bisector of the acute angle.

12. a. Find the derivative of: $\frac{ax+b}{\sqrt{x}}$ by first principle

4

b. Find the derivative of: (i) $y = \frac{1+\sin x}{1-\sin x}$
(ii) $x^{\sin x} = y^{\sin y}$

2

2

"The End"

Note Mandir

SUKUNA SECONDARY SCHOOL

Sundarharaicha-10, Morang

Second Terminal Examination-2079

Sub: Physics (1011)

F.M.: 50

Class: XI (Science)

Time: 2 Hours

GROUP -A

Objective Questions:

[9x 1 = 9]

Rewrite the best alternative to the following questions.

1. If A and B are two physical quantities of non-identical dimensions then correct expression is
(a) $A+B$ (b) $A-B$ (c) $e^{\frac{A}{B}}$ (d) None
2. Which of the following represent maximum horizontal range
(a) $\frac{u^2 \sin \theta}{g}$ (b) $\frac{u^2 \sin 2 \theta}{g}$ (c) $\frac{u^2}{g}$ (d) $\frac{u^2 \sin^2 \theta}{g}$
3. The maximum value of static friction is called
(a) limiting friction (b) kinetic friction
(c) frictional force (d) none of above
4. A force F is applied on a body and it moves with a constant velocity v, the power will be
(a) $\frac{F}{v}$ (b) $F v$ (c) $F v^2$ (d) $\frac{F}{v^2}$
5. When water is heated from 0°C to 10°C , its volume
(a) increases (b) decreases
(c) does not change (d) first increases and then increases
6. 420 J of energy is supplied to 10 g of water, will rise its temperature by nearly
(a) 1°C (b) 4.2°C (c) 10°C (d) 32°C
7. Three objects A, B and C are in thermal equilibrium. Then,
(a) net heat flows from A to B but not from A to C
(b) net heat flows from A to C but not from A to B
(c) net heat does not flow from any one of them to another
(d) net heat flows from B to A but not from B to C

8. The radius of curvature of concave mirror is 15 cm. What will be its focal length?
 (a) 15 cm (b) 7.5 cm (c) 30 cm (d) None
9. If earth is considered as spherical capacitor and its radius is 6.4×10^6 m, what will be its capacitance?
 (a) $711 \mu F$ (b) $611 \mu F$ (c) $511 \mu F$ (d) $411 \mu F$

GROUP - B

Answer the following questions. [5 x 5 = 25]

10.

- a) Can a body be said to be at rest and in motion at the same time?
 [1]
- b) State and prove the principle of conservation of linear momentum.
 [3]
- c) A ball of mass 0.1 Kg moving with a velocity 6 m/s collides directly with a ball of mass 0.2 Kg at rest. Find their total linear momentum before collision. [1]

OR

- a) Define conservative and non-conservative force with examples.
 [2]
- b) In the figure, it is shown that the one dimensional elastic collision between two objects of mass 1 Kg and 0.8 Kg with initial velocities 4 m/s and 6 m/s respectively. The direction of motion of two objects are shown in figure.



- (i) Find the loss of kinetic energy in this collision. [1]
- (ii) What will be the loss in kinetic energy if collision is inelastic? [2]
11. (a) Define centripetal force. Prove that the centripetal acceleration is equal to $\omega^2 r$. [3]
- (b) A body of mass 0.5 Kg is whirled in a vertical circle at an angular speed of 10 rad/s. If radius of the circle is 0.5 m, find the tension on the string when the body is (i) at the top of the motion (ii) at the lowest point of the motion [2]
12. a) Why does a clear pool of water always appear to be shallower than it actually is? [2]

Please Turn Over ↪

(b) A transparent cube of 12 m edge contains a small air bubble. Its apparent depth when viewed through one face of the cube is 6 cm and viewed through the opposite face is 2 cm. What is the actual distance of the bubble from the first face? [3]

13. (a) Why do solids expand when their temperature is raised? [1]
 (b) Explain, how density of substance varies with temperature? [2]
 (c) In an experiment performed by Dulong and Petit's method, the height of the cold and hot column of mercury are found to be 99.5 cm and 101.2 cm respectively. Of the cold column is at 0°C, calculate the temperature of hot column. [cubical expansivity of mercury = $1.8 \times 10^{-4} \text{K}^{-1}$] [2]

OR

- (a) State the principle of calorimetry. [1]
 (b) A person gets a more severe burn by steam at 100°C than by boiling water at 100°C. Why? [2]
 (c) Latent heat of ice is 80 cal/g. A man melts 60 g of ice by chewing in one minute. Find the power of man. [2]
14. (a) Define capacitance of a capacitor. Find the resultant capacitance of three parallel plate capacitors when they are connected in parallel combination. [3]
 (b) Prove that electric lines of force are perpendicular to the equipotential surface. [2]

OR

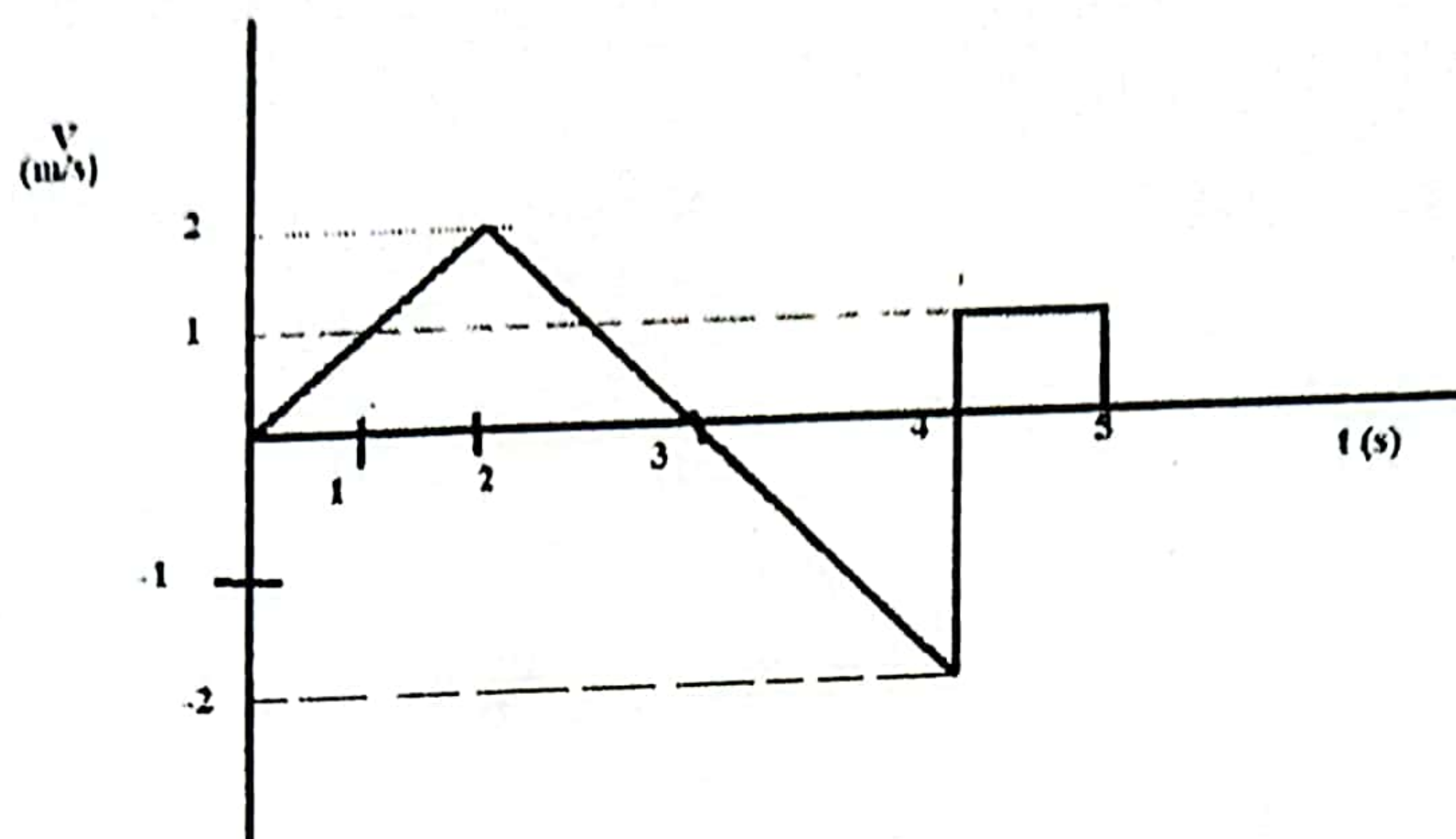
- (a) Write down the dimensional formula of electric field intensity. [1]
 (b) Find out the electric field intensity at a point outside the spherical charged hollow conductor using Gauss law in electrostatics. [2]
 (c) An electron charge $1.6 \times 10^{-19} \text{C}$ is situated in a uniform electric field of intensity 12,000 V/m. Find the force on it and its acceleration. [2]

GROUP – C

Give long answer to the following question. [8×2=16]

15. (a) Velocities of two bodies A and B are given in vector notation as $\vec{V}_A = \vec{i} + 2\vec{j} - 3\vec{k}$ and $\vec{V}_B = 3\vec{i} + 2\vec{j} - \vec{k}$ respectively. What will be the relative velocity of B with respect to A in this notation? [2]
 (b) Prove that the path of projectile is parabolic when the body is thrown horizontally with velocity u from a top of a tower from height h . Also find its time period. [3]

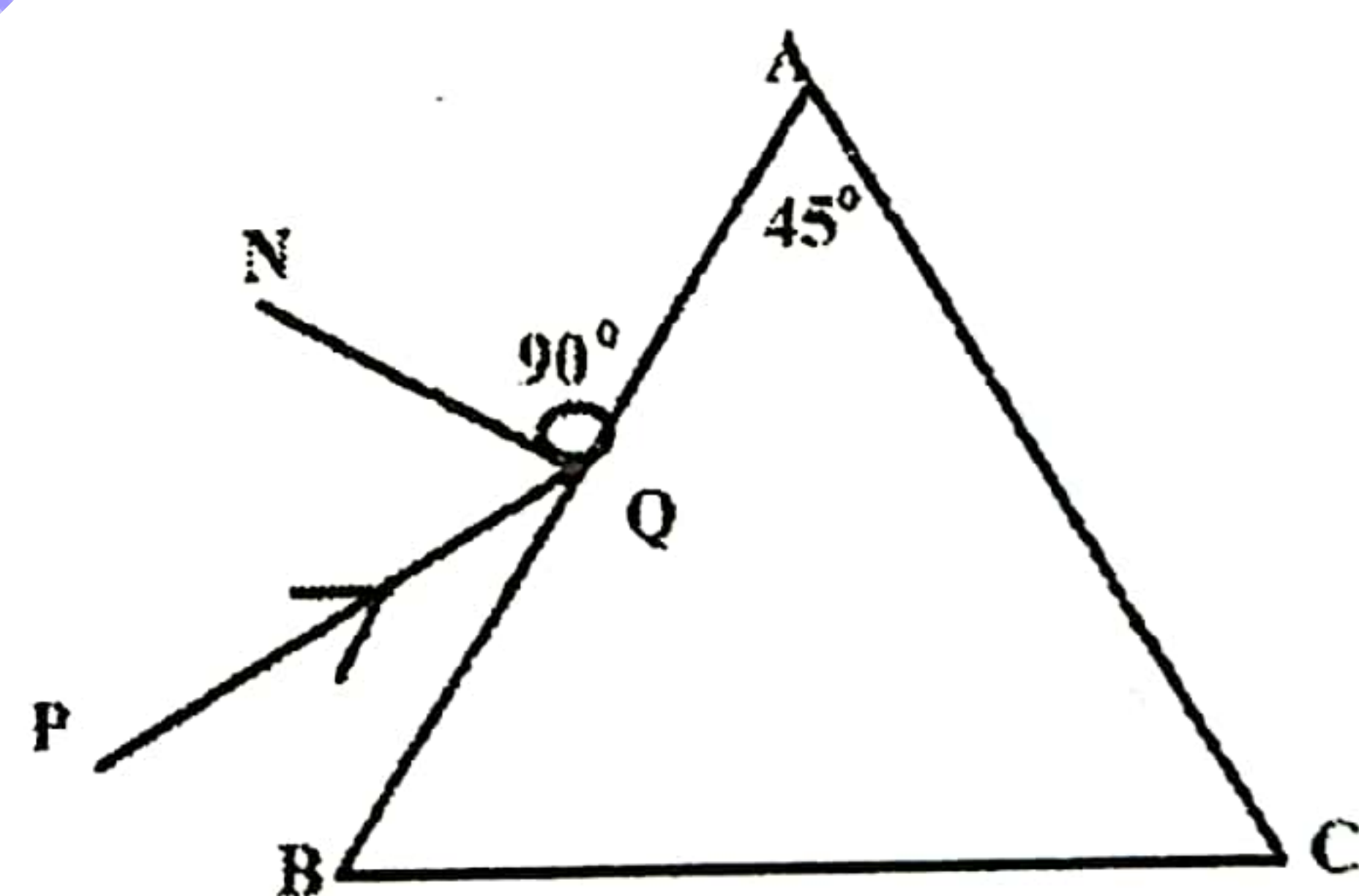
- (c) The velocity time-graph of a body is shown in figure . [3]
Find (i) displacement from graph in 5 sec.



- (iii) Distance from graph in 5 sec.

16. (a) Define power of a lens. Write its unit. [1]
(b) Derive the lens formula for convex lens when real image is formed.

- [3]
(c) In the given diagram, a ray PQ is incident on a prism ABC. Complete the ray diagram and find the angle of minimum deviation if the light incident by angle 30° . (refractive index of prism = 1.66)



- [1+2=3]
(d) Write the condition in which the angle of deviation becomes minimum. [1]

OR

- (a) Sketch an electric lines of force pattern around two unlike point charges shown below. [2]
(b) Define electric potential at a point. [1]
(c) Find the expression for electric potential at a point due to point charge. [3]
(d) What distance must an electron move in an uniform potential gradient of 200 V/cm in order to gain kinetic energy 3.2×10^{-18} J? ($e = 1.6 \times 10^{-19}$ C) [2]

!!! GOOD LUCK !!!

सुकुना माध्यमिक विद्यालय

सुन्दरहरैँचा १०, मोरङ

द्वितीय त्रैमासिक परीक्षा २०७९

विद्यार्थीले सकेसम्म आफ्नै शब्दमा उत्तर दिनु पर्नेछ । दाँया किनारामा दिइएको अंकले पूर्णाङ्क जनाउँछ ।

कक्षा : ११

मय : २ घ.

पूर्णाङ्क : ५०

विषयकोण : ००११

विषय : अनिवार्य नेपाली

उत्तीर्णाङ्क : १८

१. दिइएको अनुच्छेदका रेखाङ्कित वर्णहरूको उच्चारण स्थान र प्राणत्व छुट्याई लेख्नुहोस् ।
२

प्रस्तुत पाठ्यक्रमको उद्देश्य विद्यार्थीमा भाषिक सक्षमता अभिवृद्धि गराउनु हो ।

२. शुद्ध गरी पुनर्लेखन गर्नुहोस् ३

मिरमिरे उज्यालो भयेको थियो । गुमाने लाई खोजदै आशामरु आइपुग्यो । एकाबीहानै आशामरुलाई देखेर गुमानेले भन्यो कति काम्लाई ऊकालो लाग्यो साहू ?

३. अनुच्छेदमा रेखाङ्कन गरिएका शब्दको पदवर्ग पहिचान गरी लेख्नुहोस् २

हरि आफ्नो कोठाको टेबुलमाथि किताब राखेर फटाफट माथि गयो अनि बुबाआमासँग परामर्श लिई आफ्नो काममा नै व्यस्त हुन थाल्यो । व्यस्तता नै उसको परिचय हो ।

४. दिइएको अनुच्छेदबाट दुईओटा तत्सम र दुईओटा आगन्तुक शब्द पहिचान गरी लेख्नुहोस् । २

दिनभरको परिश्रमले मानिसहरूको शरीर र दिमाग समेत थक्कछ तसर्थ नयाँ स्फूर्ति तथा कामका लागि कम्प्युटर जस्तै हरहमेसा तयारी गर्नुपर्छ । टाईसु लगाएर बस्ने भन्दा दिनरात मजदुरी गर्ने मानिसहरू महान् हुन्छन् ।

५. दिइएको अनुच्छेदबाट एउटा अनुकरणात्मक शब्द, एउटा उखान र एउटा टुक्काको पहिचान गरी तिनलाई वाक्यमा प्रयोग गर्नुहोस् ३

नजिकको तिर्थ हेला भनेभौँ नयाँ स्कुटरको पुजा गर्न घर नजिकैको मन्दिरमा नगएको म दुवै हातमा लड्डु लिएर पशुपतिनाथ पुजा गर्न गए । पुरोहितले मेरो स्कुटरलाई अविरले ढपक्क ढाकेर मुसुक्क हास्दै पूजा गरेको देखेर हस्याङ फस्याङ गर्दै दक्षिणा दिए ।

६. तलका अनुच्छेदबाट दुईओटा उपसर्ग र दुईओटा प्रत्यय व्युत्पन्न शब्द पहिचान गरी तिनको निर्माण प्रक्रिया देखाउनुहोस् २

प्रमुख राजनीतिक दलहरुले गैरजिम्मेवार बनेर मूलुकलाई अनिर्णयको बन्दी बनाउनुहुदैन ।
दलीय कर्तव्य र राष्ट्रिय जिम्मेवारीलाई बुझेर सकेसम्म चाडै काममा केन्द्रित हुनु
आवश्यक छ ।

७. दिइएको अनुच्छेदलाई एकवचन भए बहुवचन र बहुवचन भए एकवचनमा परिवर्तन
गरी पुनर्लेखन गर्नुहोस् ४

मेरा साथीहरु कलेज पढ्न सहर गए । मचाहिँ गाउँका मायाले यही पढ्न थाले । उनीहरु
सहरमा छुँवाधुलो खाएर बसेका छन् । म गाउँको स्वच्छ हावापानीमा रमाइ रहेको छु ।

८. दिइएको अनुच्छेद पढी सोधिएका प्रश्नको छोटो उत्तर लेख्नुहोस् ४

जीव विकासमा विभिन्न तरिकाले सुधारहरु हुँदै आए, सर्वप्रथम हड्डी नभएका जनावरहरु
थिए तर तिनीहरु लामो समयसम्म बाँच्न सक्दैनथे तसर्थ हड्डीको विकास भयो । एक
पटकमा हजारौंको संख्यामा माछाले फूल पाछ । फूलको सुरक्षा नगर्ने भएकोले तिनीहरुको
धेरैजसो फूलहरु अन्य प्राणीले खाइदिन्छन् वा नष्ट हुन्छ । केहि विकसित जनावरको
परीक्षण गरेको खण्डमा तिनीहरुले थोरै बच्चा पैदा गरेर पनि राम्रो हेरचाह गरेको पाउँछौं ।
स्तनधारी जनावरहरुले फूल पाउँदैनन् तर तिनीहरुले फूल आफ्नो शरीरभित्रै राखेर एउटा
विकसित बच्चालाई जन्म दिन्छन् । कुकुर, बिरालो, खरायो आदि स्तनधारीका उदाहरण हुन्
। यिनीहरुले बच्चा जन्माएपछि आफ्नो दुध चुसाउँछन् । कुखुराको पोथीले पनि फूल पाछ ।
पोथीले फुललाई आफ्नो शरीरले छोत्छ अनि चल्लाको जन्म हुन्छ । चल्ला जन्मिएपछि
केही समयसम्म खानेकुरा खुवाउँछ ।

प्रश्नहरु

क) हड्डीको विकास कसरी भयो ?

ख) माछाका फुलहरु कसरी नष्ट हुन्छन् ?

ग) कुखुराको पोथीले कसरी चल्ला जन्माउँछ ?

घ) 'स्तनधारी' र 'परीक्षण' शब्दको अर्थ लेख्नुहोस् ।

९. अनुच्छेदबाट चारओटा बुँदा टिपी एक तृतीयांश सारांश लेख्नुहोस् ।

२+२=४

हाम्रो समाजमा अनेक विकृतिहरु मध्ये एउटा गम्भिर विकृति लागु पदार्थ दुव्यर्सन हो । दिन
प्रतिदिन समाजमा बढ्दै गएको यस विकृतिबाट थुप्रै युवायुवतीहरुले आफ्नो अमूल्य जीवन
बर्बाद पारी रहेकाछन् । भविष्यका कर्णधारहरु कुलतमा फसेपछि राज्यले सक्षम जनशक्ति
गुमाइरहेको छ । धेरैको परिवार नष्ट भएको छ । हाम्रै आँखा वरिपरि दुव्यर्सनमा फका
मानिसहरु जीवन र मृत्युको दोसाँधमा पुगेको देख्न सकिन्छ । कोही मृत्युसँग लडिरहेका
हुन्छन् त कसैले जीवन नै गुमाइसकेका हुन्छन् । आजभोली मन्दिर, पार्क, बगैँचा आदि
जस्ता सार्वजनिक स्थलमा नसामा भुमिरहेका युवा युवतीहरु देख्न सकिन्छ ।

अभिभावकहरुले सन्तानलाई पर्याप्त समय दिन नसक्नु र कुलतमा फसेका थाहा पाएपछि, पनि सामाजिक प्रतिष्ठा गुम्ने डरले गर्दा दुव्यर्सनमा फस्नेहरुको संख्या बढिरहेको छ ।

१०. कुनै ख्यातिप्राप्त व्यक्तिको असामयिक निधन भएको घटनामा विद्यालयका तर्फबाट तयार पारिएको समवेदना पत्र तयार पार्नुहोस् । ४

११. दिइएको गद्यांश पढि सोधिएका प्रश्नहरुको उत्तर लेख्नुहोस् २+२=४

बल्ल सानीका आँखा उहो । त्यसलाई आफ्नो अङ्गप्रत्यङ्ग कसो खुम्चिन लागेको छाला देखेर बितेको दीर्घ समयको सम्झना भयो र भन् प्रत्यक्षमा त्यसले देखि, यात्राको तीन चौथाइ पूरा भएपछि त्यसको थाहा पाइन्छ । आशा समाप्तिको साथसाथै जीवन सन्ध्या पनि आइपुगेको रहेछ । दुनियाँ अर्कै भएको रहेछ, यस वर्तमानसँग त्यस सानीमा कुनै प्रकारको सामञ्जस्य रहेनछ । आशाले अझसम्म बुढिलाई धोखा दिइरहेको थियो, सानी शिथिल, क्लान्त भै हुन गई । भिइरहनमा शरीर साह्रै नै गलेको जस्तो भान हुन लाग्यो र त्यसै द्वारमा थचक्क बसी ।

प्रश्नहरु

क) सानीको प्रतीक्षा कसरी समाप्त भयो ?

ख) यस अनुच्छेदमा सानीको कस्तो मनोविज्ञान प्रस्तुत भएको छ ?

१२. दिइएको निबन्धांश पढि सोधिएका प्रश्नहरुको उत्तर लेख्नुहोस् । २+२=४

संस्कृति हाम्रो परिचय हो, हाम्रो पहिचान हो र हाम्रो अनुभूति हो । संस्कृति हाम्रो बोल्ने, विचार गर्ने र बाँच्ने तरिका पनि हो । हाम्रो संस्कृति बाँच्नुपर्छ, त्यसैले हाम्रा सांस्कृतिक मूल्यहरु बाँच्नुपर्छ । दसैं हाम्रो संस्कृति हो । तिहार हाम्रो संस्कृति हो । तिज, बुद्ध पूर्णिमा, उधौली, उभौली, ल्होसार, क्रिसमस, इद, सबै हाम्रो संस्कृति हुन् । सभ्यताको यस यात्रामा म बारम्बार सोच्छु र सोच्छु यस्ता सुन्दर अवसरलाई हामीले सदुपयोग गर्ने पर्छ । संस्कृतिका नाममा लिङ्ग, वर्ण, जातिका आधारमा हुने भेद विकृति हुन् । ती कुरा हट्नुपर्छ र संविधानले यसको सुनिश्चितता पनि गरेको छ ।

प्रश्नहरु

क) संस्कृति भनेको के हो ?

ख) संविधानको सुनिश्चित गरेका सांस्कृतिक विषयहरु के के हुन् ?

१३. दिइएको प्रश्नहरुमध्ये कुनै एक प्रश्नको विवेचनात्मक (लामो) उत्तर दिनुहोस् । ५

क) सत्यनिष्ठा र समतामूलक समाजको स्थापनामा योगमायाले दिएको योगदानको चर्चा गर्नुहोस् ।

अथवा

“गाउँको माया” कथामा समाजको के कस्ता समस्यालाई कसरी प्रस्तुत गरिएको छ ?
विवेचनात्मक उत्तर दिनुहोस् ।

१४. दिइएका मध्ये एक शीर्षकमा २५० शब्दसम्ममा निबन्ध लेख्नुहोस् ।

६

क) इन्टरनेटको शिक्षामा प्रभाव

ख) नेपालमा पर्यटनको सम्भावना

ग) प्राविधिक शिक्षा आजको आवश्यकता

समाप्त

Note Mandir

Sukuna Secondary School

Second Terminal Examination - 2079

Compulsory English (Eng. 003)

Grade – XI

Time: 2 hrs

F.M -50

P.M -20

1. Read the text below and complete the tasks that follow.

Daniel Defoe was born in London on 1660. He was not very educated and spent many years of young life studying religion and later travelling as a merchant. He travelled widely and built up a successful business. During his period, he married and started raising a family. However, around 1692, his business failed and he fell into debt.

Since he had always been interested in politics, he tried to earn money by writing political articles for newspapers. But his political writings brought only troubles increasing debt and so Defoe turned to the fiction writing. His first novel was written in 1719. When Defoe was nearly sixty years old, his fiction writing became one of the best known adventure stories in the world. That novel was Robinson Crusoe-a story which thrills readers even today, more than two hundred and fifty years later.

Robinson Crusoe brought Defoe great success and helped him to pay back part of his debts. He continued writing novel such as Moll Flanders, Colonel Jack and two other Robinson Crusoe's story but none became as well known as the first one.

A. State whether the following statements are *True* or *False*.

(5×1= 5)

- a. Daniel was English by birth. _____
- b. Defoe became the political leader. _____
- c. Robinson Crusoe was his first novel written in 1719. _____
- d. Defoe's all novels were popular. _____
- e. He failed in business and plunged into debt. _____

B. Answer the following questions.

(5×1= 5)

- a. Where was Daniel Defoe born?
- b. How did Daniel spend his early life?
- c. Why did Defoe give up writing political articles?
- d. What made him pay back part of his debts?
- e. Name any two novels written by Daniel Defoe.

2. Write short answers to the following questions:(any four)

(4×2=8)

- a. Describe the portrait that the narrator saw in the room.
(The Oval Portrait)
- b. What kind of love is expressed in 'A Red, red rose'?
- c. What is poverty according to Parker?(What is Poverty?)
- d. Why do neither Dona Laura nor Don Gonzalo reveal their true identities? (A Sunny Morning)
- e. Why did Jonathan think of himself as an extraordinary lucky? (Civil Peace)

3. Answer these questions below:

(5×2=10)

- a. Write the summary of the poem 'All the World's a Stage'.
- b. 'Not everyone is capable of fulfilling the roles of elders'.

Explain the statement with reference to the essay.

(Sharing Tradition)

4. Stating suitable qualification and experience, write a letter of application for the post of a primary level English teacher. 5
5. Write an essay on 'My Dream House' in about 300 words. 7
6. Do as indicated in the bracket and rewrite the sentences.

(5 x 1 = 5)

- a. The girl is always happy. (Underline the adverb in the sentence)
- b. One of the students in this school (don't/ doesn't) have quality. (Choose one from the bracket to complete the sentence)
- c. Prem drove Milan the airport. (Put the correct preposition in the blank)
- d. Hurry up! We (wait) for you. (Put the verb from the bracket in correct tense to make a meaningful sentence)
- e. Your mother always remembers you..... you don't do so. (Put the correct conjunction in the blank to complete the sentence)

7. Do as indicated.

(5 x 1 = 5)

- a. Arrange the following words as per order in the dictionary.
peach, pear, penguin, peasant, peacock.
- b. What does the phrase "give up" mean?
i. die ii. to escape iii. to quit iv. to exchange
- c. The man who is wearing a red glass is my friend. (What word class does the underlined word in the sentence belong to?)
- d. If I (am/is/were) a bird, I would fly in the sky. (Fill in the blanks selecting the word from the bracket)
- e. She plays (a/an/the) flute well. (Fill in the blanks choosing the correct article from the bracket)

The End

Sukuna Secondary School

Second Terminal Examination-2079

Grade: XI

Time: 2 hour

F.M: 50

Subject: Computer Science

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group 'A' (Multiple Choice Questions)

Attempt all questions

[9×1=9]

1. Tick the best alternatives.

- a. A light sensitive device that converts images or printed documents into digital form is.....
i. Plotter ii. OMR iii. Scanner iv. Light pen
- b. The program stored in ROM is called.....
i. flatware ii. freeware
iii. formware iv. firmware
- c. Which of the following memory is volatile...
i. ROM ii. RAM
iii. PROM iv. EPROM
- d. Is an open source operating system.
i. Linux ii. Google Docs
iii. Google Sheets iv. VLC media player
- e. Which of the following is/are the universal logic gates?
i. OR and NOR ii. AND
iii. NAND and NOR iv. NOT
- f. is an utility software.
i. WinZip ii. MS-Word
iii. Adobe Photoshop iv. MS-Powerpoint
- g. Which is not programming language?
i. C language ii. C++ language iii. Basic iv. HTML
- h. Which tag is used to create ordered list?
i. ii. iii. iv. None of the above
- i. An analog computer can process.....
i. temperature ii. Pressure
iii. speed iv. All of the above

Group 'B'

Give short answer to the following questions.

[5×5=25]

2. What is AI? Write the five features that will have in fifth generation of computers. [5]

OR

Convert $(BAD)_{16}$ to its octal equivalent.

3. State and prove De Morgan's Theorem. [5]
4. How do we use <tr>, <th> and <td> tag in <table>? Give suitable example.
5. what is application software? Explain its types [5]
6. Write short notes on: (*any two*) [2×2.5=5]
- a. Analog Computer.
 - b. Mobile operating system.
 - c. HTML Tags.

Group 'C'

Give long answer to the following questions.

[2×8=16]

7. Define an Operating system. List its functions. Differentiate Between CUI and GUI based operating system. [1+2+5]

OR

Explain AND, OR, NOT, NOR gate with its truth table, logic symbol and Venn diagram. [8]

8. Discuss the term computer Architecture .Draw block diagram and explain with the main component of a computer system.

[2+2+4]

-Best of Luck-