



# SCHOOLS' ALLIANCE FOR ACADEMIC TRANSFORMATION

## SAAT

Pre BEE Exam-2082

SAAT1011

Subject: English

Time: 2:00 Hrs

Full Mark: 50

*All the questions are compulsory.*

**1. Read the given passage and answer the questions that follow:**

Once upon a time, there lived an old couple who were very poor. One day the woman said to the man, "Why don't you go to the forest and cut down a lime tree for us to use for firewood?"

"Very well," said the man. He took an axe and went to the forest. He found a lime tree and was about to chop it down, but the lime tree said in a human voice, "Please, old man, don't chop me down, and I'll do you a good turn some day!"

The man was so frightened that he dropped his axe. He stood there and thought for a while, and then went home. He told his wife what had happened, and she said, "What a fool you are! Go back at once and tell the lime tree that you want a horse and a cart. Haven't we had enough of walking!"

"Maybe so," said the man. Putting on his hat, back he went to the forest. He came up to the lime tree and said, "Lime tree, my wife wants you to give us a horse and a cart."

"Very well, you shall have them! Go home now," said the lime tree. The man went home, and what should he see there standing beside his hut but a cart with a horse harnessed to it.

"See that, old man?" said the wife. "Now you and I are as good as anyone except for our hut. Our hut is so old that it might cave in any moment! Go and ask the lime tree to give us a new one."

Back went the man to the forest and he asked the lime tree to give them a new hut. "Very well, you shall have it!" said the lime tree. "Go home now."

The man went home, and he could hardly believe his own eyes, for where once was their old hut stood a new one. The two old people were as happy as children, but the wife said, "Now, why don't you go to the lime tree and ask it for some livestock and fowls? Once we have that, we'll need nothing else."

**A. Put the following events in the correct order:**

**5**

- i. The old man asked for a new hut.
- ii. The old man went to the forest to cut down a lime tree.
- iii. There lived an old man and an old woman.
- iv. The two old people were as happy as children.
- v. The old woman sent her husband to ask for a horse and a cart.

**2. Read the given text and answer the questions that follow:**

**Saraswati Niketan Secondary School**

**Teku, Kathmandu**

**Notice!**

Date: 20th June

The school is organizing an educational tour to the Central Zoo, Jawalakhel, Lalitpur on 24th June for the students of Grade Eight. The timetable of the tour activities is scheduled as follows:

Event	Time
Arrive at school and arrange groups	9:00 a.m.
Board the bus	9:15 a.m.
Attendance	9:20 a.m.
Reach Central Zoo	9:45 a.m.
Form small animal groups (See animal groups below)	10:00 a.m.
Enter the zoo	10:05 a.m.
Explore the animals in the zoo	10:05a.m.–2:00p.m.
Board the bus	2:10 p.m.
Attendance	2:15 p.m.
Arrive back at school	2:40 p.m.
Return to classroom	2:50 p.m.
Grand discussion	2:50p.m.–4:00p.m.

### Animal groups:

- a. Birds      b. Reptiles      c. Mammals      d. Amphibians

**Note:** Mrs. Karki, the English teacher will lead the tour. Students are expected to follow the timetable and the guidelines given by the teacher.

### A. Match the words in column A with their meanings in column B.

5

#### Column A

- i. tour
- ii. board
- iii. explore
- iv. grand
- v. amphibian

#### Column B

- a. to travel to or around an area to learn about it
- b. any animal that can live both on land and in water
- c. a visit to a place
- d. to get on or into a vehicle
- e. large and important.

### 3. Read the following advertisement and do the task that follow:

#### Vacancy Announcement

A reputed national-level finance company licensed by Nepal Rastra Bank announces the vacancy as under;

Post: **Trainee Assistant**

Required no.: **Few**

Location: **Kathmandu and its branches**

Qualification, Experience & Skills:

- At least intermediate/+2. However, preference shall be given to candidates with higher education qualifications preferably in Management.
- Fluency in English and Nepali language
- Sound knowledge of computer skills.
- Age should not exceed 25 years as of the date of application.

Interested candidates may drop their applications with a CV and citizenship certificate at [vacancy.job2023@gmail.com](mailto:vacancy.job2023@gmail.com) within seven days from today. Only shortlisted candidates will be contacted for further selection process/interview.

The Manager

**Progressive Finance**

New Road, Nepalgunj

Tel: 081-5200000



- iv. The phrase 'word of wisdom' in the text means .....
- i. scholarship                      ii. knowledge                      iii. good wishes
- v. Which word gives the opposite meaning to 'sacred'?
- i. holy                                  ii. blessed                                  iii. sinful

**5. Identify all the errors and rewrite the text correcting them: 5**  
Sneha was back the following day but` her eyes were red and swollen with weeping she said, tears spilled onto her cheeks my brother is leaving me soon he is going to the village with my uncle.

**6. Your school conducted a 'Tree Plantation Drive' to plant more trees and reduce pollution. As a school magazine reporter, write a report for the school magazine about the event using the clues given below: 5**

- all the students and teachers participated in the event
- everyone was very enthusiastically involved
- almost around 15000 trees were planted on that day
- some students and teachers also gave speeches on the need and importance of planting trees

**7. Imagine that your uncle sent you a new mobile phone as a gift on your birthday. Write a letter thanking him for the gift. Also, write how you are going to use it for your benefit. 10**

**8. Rewrite the following sentences as indicated in the brackets: 5**

- a. Nobody has solved the questions, \_\_\_? (Supply the correct question tag)
- b. They have a hotel in Pokhara. (Make yes/no questions)
- c. The sun (rise) from the east. (Use the verb given in the bracket in the correct tense)
- d. She asked her husband, "Why did you go out last night?" (Change into indirect speech)
- e. You must wash coloured clothes separately. (Change into passive voice).

**9. Choose and copy the correct answer for the numbered: 5**

One day, three friends were walking \_\_\_\_\_(into/through/by) the forest. They knew the forest was a dangerous place and that anything could happen. So, everybody \_\_\_\_\_(is/was/were) planning to remain close to each other in case of any danger. All of \_\_\_\_\_(a/an/the) sudden, a big bear was approaching them. Two of the friends quickly climbed a nearby tree, leaving the other one behind. The other friend did not know how to climb, and instead, followed common sense. He laid down on the ground and remained there, breathless, pretending to be dead. The bear approached the friend lying on the ground. The animal started to smell his ears thought of leaving the place\_\_\_\_\_ (because/although/so that) bears never touch those who are dead. Soon, the friends who hid in the tree came down. They asked him, "My dear friend", What secret did the bear whisper to you?" He replied that the bear simply told me, "If I had such friends, I \_\_\_\_\_(will never believe/would have been believed/would never believe) them in my entire life."



१. दिइएका अर्थसंग मिल्ने शब्द खाली ठाउँमा लेख्नुहोस् : २

द्विविधा	जख्खड	आरोग्य	निराकरण	दफा
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- क. तन्दुरुस्ती .....
- ख. ऐन, विधान आदिको धारा .....
- ग. अलमल .....
- घ. समाधान गर्ने उपाय .....

२. खाली ठाउँमा मिल्दो शब्द राखी वाक्य पूरा गर्नुहोस् : २

- क. 'बाटो' को उस्तै अर्थ दिने शब्द ..... हो । (माटो, सडक, ढुङ्गा)
- ख. 'गर्व' को श्रुतिसमभिन्नार्थी शब्द ..... हो । (गर्भ, गौरव, पूर्व)
- ग. 'उत्थान' को उल्टो अर्थ दिने शब्द ..... हो । (पतन, उकास्नु, उन्नति)
- घ. 'आगो बालिने ठाउँ' जनाउने सिङ्गो शब्द ..... हो । (अँगार, अगुल्टो, अगेनो)

३. अर्थ खुल्ने गरी वाक्यमा प्रयोग गर्नुहोस् : २

- क. सातोपुत्लो जानु : ख. निश्रुक्क :

४. शुद्ध शब्द छानेर लेख्नुहोस् : १

- क. किरातवंश, किराँतवंश, किराँतवंस, किराँतवस
- ख. प्रसङ्ग, प्रसंग, प्रशङ्ग, प्रशंग

५. दिइएको वाक्यलाई शुद्ध पारी लेख्नुहोस् : २

संयोगले हामी दौतरी मूलुकको पूर्व पश्चिम, उत्तर र दक्षीणका परेछौ ।

६. रेखाङ्कित शब्दहरूको पदवर्ग छुट्याउनुहोस् : २

उसको भाषणलाई हाकिमले केही बुझेको थियो, केही बुझेको थिएन तर उसको भाषणले जादुको नै काम गरेको थियो ।

७. दिइएका धातु र सङ्केतका आधारमा खाली ठाउँ भर्नुहोस् : २

- क. विद्यार्थीहरू मैदानमा फुटबल ..... । (खेल: सामान्य भविष्यत)
- ख. म मुस्ताड ..... । (जा : अपूर्ण भूत)
- ग. हामीले जनकपुर ..... । (घुम्: सम्भावनार्थ)
- घ. भाइले नेपाली पाठ ..... । (पढ: इच्छार्थक)

८. दिइएका सङ्केतका आधारमा वाक्य परिवर्तन गर्नुहोस् : ३

- क. दिदी बजार जानुहुन्छ । (पुलिङ्ग)
- ख. मैले पुराना साथीहरू भेटें । (अकरण)
- ग. रेशमले मौरी पाल्छन् । (कर्मवाच्य)

९. दिइएको अनुच्छेद पढी उत्तर लेख्नुहोस् :

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विदेशी मुद्राका तुलनामा नेपाली मुद्राको अवमूल्यन हुनु नेपालको वैदेशिक व्यापार घाटाको प्रमुख कारण हो । देश विकासको लागि यो एउटा ठुलो चुनौती पनि हो । पहिलपहिले हुने सरसामान साटासाटको सट्टामा हिजोआज मुद्राको प्रचलन भएकोले व्यापार निकै सहज भएको छ ।

प्रश्नहरू :

- क. अनुच्छेदबाट उपसर्ग र प्रत्यय लागेर बनेका एक-एकओटा शब्द लेख्नुहोस् ।
- ख. अनुच्छेदबाट एक-एकओटा द्वित्व र समस्त शब्द लेख्नुहोस् ।
- ग. अनुच्छेदमा रेखाङ्कन गरिएको पदको कारक र विभक्ति लेख्नुहोस् ।

१०. दिइएको गद्यांश पढी सोधिएका प्रश्नको उत्तर लेख्नुहोस् :

४

परिवर्तन आफैँबाहेक यस संसारका सबै वस्तु परिवर्तनशील छन् । समयको मागअनुरूप आफूलाई परिवर्तन गर्न नसक्नेहरू कि त हराएर गए कि त वर्तमान परिदृश्यबाट टाढा रहेर एकलो एकान्तमा बस्न बाध्य भए । परिवर्तनलाई आत्मसात् गर्न नसक्ता नै डायनासोर जस्ता विशाल र भीमकाय शक्तिशाली जीवले समेत आफ्नो अस्तित्वको सङ्कट भोग्नुपरेको वास्तविक इतिहास हाम्रासामु छ । यसै कारणले नै कतिपय सभ्यता समयको गर्भमा विलुप्त हुन पुगे भने कतिपय नयाँ सभ्यता अन्धकारका काला गुफालाई चिर्दै अगाडि देखा परे । यसर्थ परिवर्तनको आह्वानलाई आत्मसात् गर्दै समयको गतिमा अगाडि बढ्नुलाई बुद्धिमानी ठानिएको हो । यसो गर्न नसक्नेहरू समयको धेरै वर्षपछाडिका यात्रामा आफूलाई कछुवागतिमा घस्रिरहेको पाउँछन् । यो समयको प्रमाणित सत्य भइसकेको छ ।

प्रश्नहरू :

- क. परिवर्तन नहुनेहरूको अवस्था के भयो ?
- ख. डायनासोरले किन आफ्नो अस्तित्वको सङ्कट भोग्नुपयो ?
- ग. कसले आफूलाई कछुवागतिमा घस्रिरहेको पाउनेछन् ?
- घ. “परिवर्तन आफैँबाहेक यस संसारका सबै वस्तु परिवर्तनशील छन् ।” भन्नुको तात्पर्य के हो ?

११. दिइएको अनुच्छेद पढी चारओटा बुँदा टिपोट गरी सारांशसमेत लेख्नुहोस् ।

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प्रातःकालको समय, केही परेवा छानामा भुल्के घाम तापिरहेका थिए । छिन छिनमा चोकको विचमा उभिएको भोगटेको फूलको वास्ना हरर आइरहेको थियो । भाजुलालको घर तडकभडकरहित उनको जीवन जस्तै सादा थियो । पुरानो कलात्मक एउटा खटियामाथि उही मूर्तिलाई राखेर उनी टुलुटुलु हेरिहेका थिए, एक मन, एक बुद्धि, एक चित्तले । यत्तिकैमा तल्लो भन्ज्याङबाट आवाज आयो, “शिल्पकार कहाँ हुनुहुन्छ ?” भाजुलालले भक्तको स्वरले चिने । मुखले चाहिँ माथि पाल्नुभन्ने, हातले चाहिँ हत्तपत्त त्यस मूर्तिलाई सिरानमूनि लुकाए । भक्तले माथि आइपुग्नासाथ शिल्पकारको अनुहार हेर्दै उत्सुकताले भरिएको वाणीमा सोधे, “मूर्ति बनाइसकियो ?” भाजुलालको हृदयमा द्वन्द्व चल्यो । सकियो भन्नु, खै लेऊ भन्छन् । दिऊँ, कसरी दिऊँ ? सकिएको छैन भन्नु, भुटो कसरी बोलूँ ? सोचविचार गरेर उनले भने, “१५ दिनपछि आउनुभन्नेको १० दिन पनि पुगेको छैन ।”

१२. कुनै एक प्रश्नको उत्तर दिनुहोस् :

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क) दिएको बुँदाहरूको आधारमा एउटा जीवनी तयार पार्नुहोस् ।

नाम	: विक्रमपवन परियार
आमाबुवा	: सुकुमाया र गोपाल नेपाली
जन्ममिति	: २०४३/०५/२० गते
जन्मस्थाल	: रामेछाप जिल्ला, सुनापति गाउँपालिका वडा नं. ४ बेधान
शिक्षा	: प्रवीणता प्रमाणपत्र तह (१२)
पेसा	: नेपाली सेना
प्रकाशित कृति	: जलेको मुटु (२०६८, गजलसङ्ग्रह), मौन सालिक (२०७१, खण्डकाव्य), दर्जनौं फुटकर कविताहरू विभिन्न पत्रपत्रिकामा प्रकाशित
गीतहरू (म्युजिक भिडियोसहित)	: सुस्ता घट्यो(२०७४), मृत्यु शैया (२०७४), जिन्दगीमा आयौ (२०७४)
सम्मान/पुरस्कार	: श्री कुशेश्वर माध्यमिक विद्यालयबाट सर्जक सम्मान (२०८०) : सुनापति प्रज्ञा-सम्मान (२०८०) आदि : संस्कृति, पर्यटन तथा नागरिक उड्डयन मन्त्रालय र नेपाल प्रज्ञा प्रतिष्ठानद्वारा आयोजित राष्ट्रव्यापी कविता प्रतियोगितामा प्रथम (२०७७)
प्रवृत्ति	: देशभक्तिमा आधारित गद्य कविता लेख्नु : असमानताका विरुद्ध आवाज उठाउनु : प्रतिकात्मक अभिव्यक्ति दिनु ।

क) “अनुशासनको महत्व” शीर्षकमा दुईजना साथीबिच हुने संवादको नमुना तयार पार्नुहोस् ।

१३. कुनै एक प्रश्नको उत्तर लेख्नुहोस् :

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- क. आफ्नो टोलमा बाटो विग्रिएकाले आफ्नो नगरपालिका / गाउँपालिकालाई बाटो मर्मत गराइदिन टोलवासीका तर्फबाट तयार गरिएको एउटा निवेदनको नमुना लेख्नुहोस् ।
- ख. जनता माध्यमिक विद्यालय, थानकोट, काठमाडौंमा लामो समयदेखि अध्यापन गर्दै आउनुभएकी रञ्जना खनाल गुरुआमालाई अवकाश हुँदाको अवसरमा विद्यालयले दिने सम्मानपत्रको नमुना प्रस्तुत गर्नुहोस् :

१४. कुनै एकको भाव विस्तार गर्नुहोस् :

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- क. नेपालका कैयौं पदमार्ग प्राकृतिक, धार्मिक तथा ऐतिहासिक दृष्टिले महत्वपूर्ण छन् ।
- ख. सगरमाथा आरोहण र जीवनयात्रा उस्तै हो ।

१५. दिइएको नियात्रांश पढी सोधिएका प्रश्नको उत्तर लेख्नुहोस् :

४

राती बेसरी हावा लाग्यो । हाम्रा त्रिपाल हावाले उडाउला जस्तै भए । विहान त पातलो हिउँ परेछ सर्वत्र । विहानै हामी बाटो लाग्यौं । ५,३०० मिटरको सेला पास थियो बाटोमा । यो भञ्ज्याङमा पुग्दा दिउँसो भइसकेको थियो । भोकले कटक्क पेट काट्यो । वरिपरि अनौठा अनौठा ढुङ्गेनी चुचुरा हिउँ लुकाएर ठडिएका थिए । तिखा सुइरा जस्ता ती थुम्का काला, खैरा र फुस्रा रङ्का देखिन्थे । पूर्वतिर धौलागिरि र पुथा हिउँचुलीको सुन्दरता अद्भुत र अगणित थियो । उत्तरतिर हिउँचुलीको भन् बढ्ता खात र आलोक थियो ।

प्रश्नहरू:

- क. नियात्राकारले कुन क्षेत्रको भ्रमणका सन्दर्भमा यी कुरा गरेका हुन् ?
- ख. ढुङ्गेनी चुचुराहरू के कसरी ठडिएका छन् ?
- ग. गद्यांशमा उल्लेख गरिएको परिवेश कस्तो देखिन्छ ?
- घ. यस गद्यांशको मुख्य भाव लेख्नुहोस् ।

१६. कुनै एक प्रश्नको लामो उत्तर लेख्नुहोस् :

५

क. दिइएको निबन्धको अंश पढी समीक्षात्मक उत्तर लेख्नुहोस् :

नेपाली मुद्रालाई विदेशी मुद्रासँग प्रतिस्पर्धी बनाउन अर्थतन्त्र सबल हुनुपर्छ । महंगा मोटरगाडी, मोबाइल, टेलिभिजन जस्ता विलासी वस्तुको आयातलाई निरुत्साहित गर्नुपर्छ । वरु यस्ता वस्तुलाई स्वदेशमै उत्पादन गर्न प्रोत्साहन गर्नुपर्छ । नेपाली विद्यार्थी विदेश अध्ययन गर्न गएका कारणले भइरहेको स्वदेशी मुद्राको बहिर्गमनलाई रोक्नुपर्छ ।

अ. नेपालको अर्थतन्त्र सबल बनाउन के कसरी सकिएला ? चर्चा गर्नुहोस् ।

ख. दिइएको कवितांश पढी समीक्षात्मक उत्तर लेख्नुहोस् :

उम्रन्न बोट कसैले विउ छरेर नगए  
बन्दैन मुलुक दुईचार सपुत मरेर नगए ।

अ. 'सहिदहरूको सम्झनामा' कविताले नेपालको परिवर्तनमा विचार र व्यवहार दुवैलाई कसरी महत्त्व दिएको छ, समीक्षा गर्नुहोस् ।

१७. कुनै एक शीर्षकमा १२५ शब्दमा नघटाई निबन्ध लेख्नुहोस् :

५

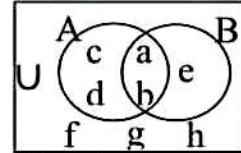
- क. म र मेरो देश
- ख. खेलकुद र स्वास्थ्य
- ग. समाजसेवा





Attempt all the questions.

1. The sub-sets A and B of universal set U are presented in the Venn-diagram.



- a. List the elements of the universal set U. 1
- b. How many sub sets of 'B' can be formed? 1
- c. State whether set A and B are overlapping or disjoint and why? 1

2. If a shopkeeper gives a 15% discount on a table and sells it for Rs.850.

- a. Write the formula to find the discount amount if discount percent (D%) and marked price (M.P.) are given. 1
- b. Find the marked price of table. 2
- c. What is the discount amount given on the table if discount percent is reduced to 10%? 1

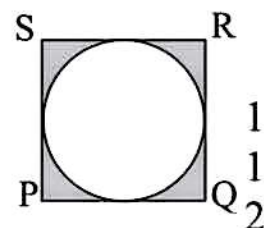
3. The simple interest on Rs.2160 for 4 years is Rs.648.

- a. What is the rate of interest? Write it. 1
- b. Find the rate of interest. 2
- c. At the same rate how much will be the interest on Rs.20,000 for 5 years? 2

4. a. Convert 0.00045 in scientific notation. 1

- b. If  $x:y = 2:5$  and  $y:z = 15:8$  then find  $x:z$ . 1
- c. If 15 workers can do a piece of work in 25 days. How many workers should be added to complete the same work in 15 days? 2
- d. The binary number is  $1010_2$ . If '1' is removed between two zero's, what will be the value of remaining binary in decimal system? 1

5. In the given figures PQRS is a square and a circle is drawn inside it.



- a. If one side of the square  $PQ=14\text{cm}$ , find its area. 1
- b. How much is the radius of circle? 1
- c. Find the area of the shaded portion. 2
- d. If length of the radius is doubled what will be the length of the side of a square? 1

6. a. Find the value of  $(x+y)^0+(xy)^0$ . 1

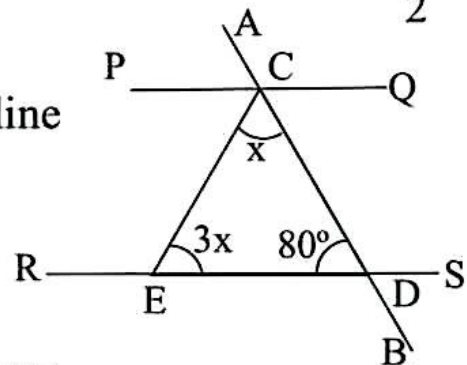
- b. Simplify:  $\frac{x^2+y^2}{x-y} + \frac{2xy}{y-x}$  2

7. a. Find the HCF of  $x^2+5x+6,$   $x^2+4x+3$  2

- b. For what value of x, the value of  $2x^2 - x - 6$  becomes zero? 2

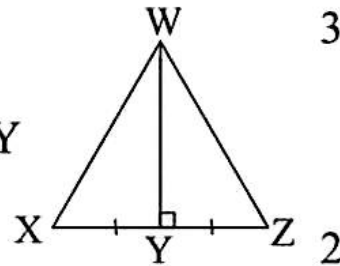
8. The sum of two numbers is 5 and the difference is 1.
- Make an equation by supposing  $x$  as the first number and  $y$  as the second number. 1
  - Solve the above equation by using graph. 2

9. In the adjoining figure AB intersect straight line PQ and RS at point C and D respectively.



- If  $PQ \parallel RS$ , write the alternate angle of  $\angle PCE$ . 1
  - From the adjoining figure, find the value of  $x$ . 2
  - At what value of  $\angle QCD$ , the line PQ and RS are parallel? 1
10. a. Construct a parallelogram ABCD in which  $AB=4.5\text{cm}$ ,  $AD=3\text{cm}$  and  $\angle BAD=60^\circ$ . 3

- b. In the given figure, Y is the mid point of XZ and  $WY \perp XZ$ , by which axioms are  $\triangle WXY$  and  $\triangle WYZ$  are congruent? If  $WX=5\text{cm}$ , what is the length of WZ?



- What type of polygon are used in regular tessellation? 1
- If the distance between the points  $P(0, 6)$  and  $Q(a, 0)$  is 6 units, find the value of 'a'. 2
- The vertices of  $\triangle ABC$  are  $A(2, 3)$   $B(4, 6)$  and  $C(6, 3)$  plot the vertices of  $\triangle ABC$  in graph paper and reflect it on x-axis. Show the image  $\triangle A'B'C'$  in the same graph paper with their coordinates. 3

12. The monthly expenditure of a family is given below in the table:

Title of expenditure	Amount of expenditure in Rs.
Food	40,000
Education	20,000
Health	12,000

- Calculate the average expenditure of above data. 1
- Represent the above data in pie chart. 2



All the questions are compulsory.

**GROUP 'A' [10×1=10]**

**Multiple Choice Questions (MCQ):**

1. Write the correct answer in your answer copy of the following questions.
  - a. Which type of the mirror is used to look at our faces in daily life?
    - i) plane mirror
    - ii) concave mirror
    - iii) convex mirror
    - iv) spherical mirror
  - b. Microsoft word is an example of
    - i) word processing software
    - ii) spreadsheet software
    - iii) DBMS software
    - iv) graphic software
  - c. Which of the following is a correct statement about plant and animal cells?
    - i) both plant and animal cells have a cell wall
    - ii) plant cells have chloroplast, but animal cells do not
    - iii) both plant and animal cells have the same shape and size
    - iv) animal cells have a large central vacuole like plant cells
  - d. If all insects suddenly disappeared from the environment, which effect would most likely be seen first?
    - i) increasing in oxygen level
    - ii) reduction in flowering plant reproduction
    - iii) increasing in forest cover
    - iv) decreasing in soil erosion
  - e. Which of the following waste is an example of biodegradable waste?
    - i) plastic bags
    - ii) glass bottles
    - iii) fruit and vegetable peels
    - iv) metal cans
  - f. Earthworms breathe through
    - i) moist skin
    - ii) gills
    - iii) lungs
    - iv) trachea
  - g. A moving ball finally comes to rest after rolling on the ground. The force responsible for stopping it is
    - i) magnetic force
    - ii) gravitational force
    - iii) frictional force
    - iv) muscular force
  - h. Two students lift the same box to the same height. Student A takes 5 seconds, and student B takes 10 seconds. Which statement is correct?
    - i) student B does more work
    - ii) student A has greater power
    - iii) student B has greater power
    - iv) both have different work and but same power
  - i. In bituminous, the percentage of carbon is
    - i) 60
    - ii) 80
    - iii) 70
    - iv) 90
  - j. Which of the following is a molecule?
    - i) H
    - ii) Ca
    - iii) CO<sub>2</sub>
    - iv) Mg

**GROUP 'B' [8×1=8]**

1. Write any two precautions that should be adopted while doing practical works in science.
2. Write down one advantage and one disadvantage of social media.
3. What are microorganisms and name any one type of microorganism.
4. Why is biodiversity important for maintaining the stability of ecosystems?
5. If the velocity of a moving object changes with time, what can you say about its acceleration?
6. Why does heat always flow from a hotter body to a colder body?
7. What is meant by the periodic classification of elements?
8. pH value of rain water of different cities is given in the table.

City A	City B	City C	City D
2.1	3.5	4.3	6.2

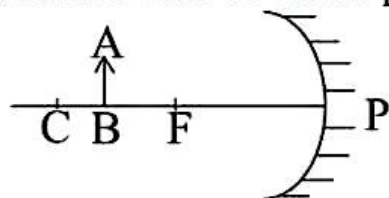
Which is the least polluted city based on data given in the table.

**GROUP 'C' [8×2=16]**

1. There were problems in the tap water, such as washing clothes not foaming well and dirt not being removed and hair becoming rough while washing it. Write any two measures that you will use to solve this problem.
2. Write any two differences between external fertilization and internal fertilization.
3. Why public participation is important in conservation of biodiversity?
4. What is greenhouse effect? Write an application of greenhouse effect.
5. Draw an electronic configuration of a potassium atom.
6. The frequency and wavelength of a sound wave are 100Hz and 3.3m respectively. Calculate the speed of the sound wave.
7. Atomic weight and atomic number of an element are 35 and 17 respectively, find out the number of neutrons and protons.
8. Describe the method of vegetative propagation through layering with a neat diagram.

**GROUP 'D' [4×4=16]**

1. Complete the given diagram and write down the properties of the image formed.



2. Write down the method of writing a balanced chemical equation with example.
3. Write down nebular hypothesis or Kant Laplace nebular hypothesis.
4. Prepare a list showing the effect of various indicators in acid, base and salt.

\*\*\*\*Best of Luck\*\*\*\*



विद्यार्थीहरूले उत्तर दिँदा आफ्नै शब्दमा दिनुपर्ने छ । विद्यार्थीका त्यस्ता मौलिक तथा सिर्जनात्मक उत्तरलाई बढी प्रोत्साहन दिइनेछ:-

### समूह 'क'

सबै प्रश्नहरू अनिवार्य छन् ।

तलका प्रश्नहरूको अति सङ्क्षिप्त उत्तर दिनुहोस् :-

९×१=९

१. नेपालमा रहेका तीन तहका सरकारहरू कुन कुन हुन् ? लेख्नुहोस् ।
२. रोदी परम्पराको कुनै एक महत्व लेख्नुहोस् ।
३. विद्यार्थीहरूको व्यक्तित्व विकास र अनुशासनमा स्काउटले कसरी सहयोग पुऱ्याउँछ ?
४. प्रतिनिधि सभा र राष्ट्रिय सभा सदस्य हुन कति कति उमेर पुग्नुपर्छ ?
५. फजुल खर्च नियन्त्रणसँग सम्बन्धित नारा सहितको एउटा प्लेकार्ड तयार पार्नुहोस् ।
६. लागुपदार्थ दुर्व्यसनबाट बच्न अपनाइने कुनै दुई उपायहरूको सूची बनाउनुहोस् ।
७. वित्तीय संस्थाबाट हामीले प्राप्त गर्ने कुनै एक आर्थिक लाभ लेख्नुहोस् ।
८. तपाईंले नेपाली नोटको जतन गर्नको लागि गरिरहनुभएको एउटा कार्य लेख्नुहोस् ।
९. विमस्टेक नामको क्षेत्रीय सहयोग सङ्गठन कहिले स्थापना गरिएको थियो ? पूरा मिति लेख्नुहोस् ।

### समूह 'ख'

तल दिइएका प्रश्नहरूको सङ्क्षिप्त उत्तर दिनुहोस् :-

७×३=२१

१०. सङ्घीयतालाई परिभाषित गर्दै यसका कुनै दुई महत्वहरू उल्लेख गर्नुहोस् ।
११. कुनै पनि द्वन्द्व व्यवस्थापनमा मध्यस्थकर्ताले कस्तो भूमिका खेल्नुपर्छ ? छोटकरीमा वर्णन गर्नुहोस् ।
१२. तपाईंको समुदायमा प्रचलित धार्मिक क्रियाकलापले आपसि सद्भाव र भाइचारा बढाउन कसरि मदत पुऱ्याएको छ ? छोटकरीमा चर्चा गर्नुहोस् ।
१३. जलवायु परिवर्तनका कुनै तीन कारण लेखी त्यसको समाधानका उपायहरू लेख्नुहोस् ।
१४. नेपालको भौगोलिक क्षेत्रअनुसार जनसङ्ख्या वितरण कस्तो छ ? तराईमा जनसङ्ख्या बढी हुनुका कारणहरू उल्लेख गर्नुहोस् ।
१५. प्राचीन ग्रीकलाई किन प्रजातन्त्रको जननी मानिन्छ ? छोटकरीमा वर्णन गर्नुहोस् ।
१६. संयुक्त राष्ट्र सङ्घको छोटो परिचय दिँदै यसका कुनै दुई उद्देश्यहरू समेटेर आफ्नो साथिलाई चिठी लेख्नुहोस् ।

### समूह 'ग'

तलका प्रश्नहरूको लामो उत्तर दिनुहोस् :-

४×५=२०

१७. समावेशीकरण भनेको के हो ? यसका प्रमुख फाइदाहरू वर्णन गर्नुहोस् ।
१८. नेपाल शब्दको उत्पत्तिसम्बन्धि कुनै ५ वटा मुख्य किंवदन्तीहरू लेख्नुहोस् ।
१९. व्यापारिक कारोबार केलाई भनिन्छ ? आन्तरिक र बाह्य व्यापारमा ४ वटा फरक देखाउनुहोस् ।
२०. पृष्ठभरि नेपालको नक्सा बनाउँदै उपयुक्त सङ्केतका सहायताले दिएको तथ्य भर्नुहोस् ।  
सैपाल हिमाल, रारा ताल, अरनिको राजमार्ग, चाँगुनारायण मन्दिर

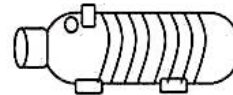


#### GROUP 'A'

##### Very short answer questions:

10×1=10

1. What is fallopian tube?
2. Write the names of any two types toilet.
3. Write any two control measures of the mental health problem.
4. What is total sanitation?
5. Write any two benefits of the exercise of the abdomen.
6. What are the main skills used in the game of football?
7. What is the number of players in a team of Kho Kho?
8. While doing Makarasana in which posture should you sit at the beginning?
9. What is fundamental of Art?
10. What type of work is shown in the figure.



#### GROUP 'B'

##### Short answer questions:

10×2=20

11. Write at least four safety measures of school's playground.
12. Write any two symptoms of marasmic kwashiorkor.
13. Which gland is shown in the given figure where is it located in our body?
14. What skill of football is shown in the given figure? Write in short.
15. Write the first antara of your school/folk song.
16. How long does the basketball game last?
17. What is the difference between literature and painting.
18. Write a simple method of making collage.
19. Which folk instrument is shown in the figure below? Which caste people play this instrument?
20. Write the main community health problems of Nepal.



#### GROUP 'C'

##### Long answer questions:

5×4=20

21. What is the nervous system? Write down any two functions of it.
22. Nowadays, the number of drug users is increasing. It has been a headache for all. How can we solve this problems? Present your view with suitable examples.
23. Write down the simple rules of basketball.
24. How can printing be done from locally available materials? Explain the method.
25. Justify the statement that dance and acting maintain the physical and mental balance of people.