

**Riviera International Academy**

**Revision Assignment-2077**

**Day 3 (Baisakh 9, 2077, Tuesday)**

**Class: Ten Date:- \_\_\_\_\_ Name:- \_\_\_\_\_**

**Subject: English**

1. Write an essay on "Women Empowerment".
2. Write a short review of the film you have recently watched in about 200 words.

**Subject - Social Studies**

- 1: Draw a map of Nepal and insert five mountains and two passes.
- 2: Recall your educational tour and write a report on it.
- 3: If you are asked to name any of the heritages that had not been included by UNESCO then which one would you name and why?
- 4: You always wanted long holidays and your wish has come true. Write how you are feeling now.

**HPE**

- A. Conduct a research about rare animals in Nepal and write the findings of your research in 250 words. You must present it in paper.

**Subject – Science**

1. State Ohm's law and prove  $V=IR$ , where V is potential difference, I is current and R is resistance.
2. What is resistivity? Write the four factors on which resistance of a conductor depends on.
3. What is dispersion of light? Why is light get dispersed when it is passed from a prism?
4. What is refraction of light? Why are stars appeared twinkling from the earth surface?

**Subject – Mathematics**

1. Divide Rs. 240 between Rita and Renu in the ratio of 3 : 5.
2. What is the ratio of 75 paisa to Rs 3.
3. Find the ratio of 20 cm and 25 cm.
4. Find the ratio of 3ft and 9ft.
5. Divide Rs. 296 between two persons in the ratio of 3 : 5.

**Long Questions**

1. Divide Rs.315 among Sushma, Renu and Anisha in the ratio of 2: 3: 4.
2. Two numbers are in the ratio 2 : 3, if 3 is added to both, the ratio will be 5 : 7. Find the numbers.

3. Two numbers are in the Ratio 5 : 7. If 3 is added to both of them, the ratio will be 4 : 5. What are the numbers?
4. The Ratio of a height of Sony and Jenny is 4 : 5. If the height of Sony is 40 inches, find the height of Jenny.

### Computer

- 1) Convert the number system as indicated:
  - a)  $1110001_2 = (?)_{10}$
  - b)  $264_8 = (?)_{16}$
  - c)  $241_8 = (?)_2$
- 2) Perform the binary calculation:
  - a)  $11110 + 10101$
  - b)  $1110 - 1011$
- 3) Give full form of the following:
  - a) GUI
  - b) GIGO
  - c) ENIAC
  - d) IBM
  - e) ALU
  - f) IRC
  - g) ATM
  - h) IC
- 4) **Answer the following questions:**
  - a) What do you mean by generation of computer? List any two features of third generation of computer.
  - b) What is hybrid computer? List any two examples of hybrid computer.
  - c) What is language translator? Write any two differences between Interpreter and Compiler.
  - d) What is an open source software? Write any two advantages of open source software.
  - e) Write any two negative and two positive impacts of computer in our society.

### Subject – Opt. Math

#### Short Questions:

1. In each of the following problems, m is the axis of reflection. Reflect each figure in m and draw the images.
2. Write down the coordinates of the image of each of these points A(3, 0), B(4, -3), C(0, -7), D(-2, 6), E(-3, -3), F(-3, -9), G(6, 6) and H(7, -7) when they are reflected in the following line. A. the x-axis
3. If P(1, 1), Q(3, 1) and R(3, -1) are the coordinates of a triangle PQR, show in graph the figure of triangle PQR, after reflecting about x-axis.
4. Find the axis of reflection of the following cases: Point A(3, 4) reflected by R to A'(3, -4)
5. Points p(2, 1), Q(1, -2), R(-3, -2) and S(-5, 1) are the coordinates of a trapezium. Write down the coordinates of the image and draw the image of PQRS when reflected under the following conditions: i) axis of reflection is the x-axis ii) axis of reflection is the y-axis.

#### Long Question

1. A line passes through the points (3, 0) and (5, 6). Draw the image of this line when it is reflected in (a) the axis and y-axis.

## बिषय : नेपाली

१.(क) तलका उपसर्ग र प्रत्यय लगाई एक एक शब्द बनाउनुहोस् :

उपसर्ग : उप, वि ।

प्रत्यय : अनीय, ईय ।

(ख) समास वा विग्रह गर्नुहोस् :

गाईगोठ, नाक काटिएको

२.कोष्ठकमा दिइएका सङ्केतका सहायताले खाली ठाउँ भर्नुहोस् :

(क) उसले खेल ..... । (जित् : अज्ञात भूत)

(ख) बहिनी नेपालगञ्ज ..... । (पुग् : सामान्य वर्तमान)

(ग) तिमी मिहिनेती ..... । (बन् : इच्छार्थक)

(घ) हामी खुब ..... । (घुम् : सम्भावनार्थक)

३. कोष्ठकको निर्देशनका आधारमा वाक्य परिवर्तन गर्नुहोस् :

(क) उर्मिला मिहिनेत गरेर पढ्थी । (अकरण)

(ख) मेरी बहिनी असल छे । (बहुवचन)

(ग) सिङ नहुने गोरूको नाम तिखे हुन्छ । (मिश्रवाक्य)

(घ) पानी पन्यो । बाटो हिलो भयो । (वाक्य संश्लेषण)

(ङ) म गृहकार्य गर्छु । (प्रेरणार्थक)

४. अभ्यस्त भूत कालका तिन वाक्यको प्रयोग गरी आफूले गरेको कामको वर्णन गर्नुहोस् :

५. तलको गद्यांश पढी सोधिएका प्रश्नको उत्तर लेख्नुहोस् :

अबको संस्कृति पाप, पुण्य, स्वर्ग, नर्क जाने भन्ने विषयमा आधारित हुँदैन । आजको समाज वैज्ञानिक चिन्तनतर्फ उन्मुख हुँदै गइ रहेको छ । अब पापको हाउगुजी देखाएर हाम्रो संस्कृति बचदैन । अब चाहिँ विज्ञान अनुसार मानिसका आवश्यकता, खुसी, मनोरञ्जन आदिका आधारमा संस्कृतिको ग्रहण गरिन्छ । अहिले विज्ञान अनुसार नै जीवनको व्याख्या हुन्छ । विज्ञान तथ्यमा आधारित छ । विज्ञानले प्रमाणमा विश्वास गर्छ । कुनै कुराको खोजी गरी सत्य तथ्य जाँच गरेर मात्र सत्यको नजिक पुगिन्छ । त्यसैले संस्कृति विज्ञानभन्दा टाढा रहन सक्दैन । हिजोसम्म हाम्रा कतिपय कुरा अन्धविश्वासमा रहे । अब अन्धविश्वास होइन मानवहितमा विज्ञान र संस्कृतिको प्रयोग हुनुपर्छ ।

प्रश्नहरू :

(क) आजको समाज कतातिर उन्मुख हुँदैछ ?

(ख) अबको संस्कृति कस्तो हुनुपर्ला ?

(ग) माथिको अनुच्छेदबाट एउटा संयुक्त वाक्य पहिचान गरी लेख्नुहोस् ।

(घ) माथिको अनुच्छेदबाट दुईवटा षष्ठी विभक्ति चिन्ह लागेको शब्द लेख्नुहोस् ।

(ङ) "मानवहित" शब्दलाई वाक्यमा प्रयोग गर्नुहोस् ।

**The End.**