

## Summer Vacation Assignment- 2023 (Grade: IX)

Subject: Discovery Science, Logic and Problem Solving & ICT.

Topic- Electricity

Make a project work on electricity including the following headings:

- i. Introduction to electricity.
- ii. How electricity is generated from different sources (Solar, wind, hydro, Geothermal, Tidal, Generator, etc)
- iii. Main source of electricity in Nepal (Hydropower). Research about major hydropower of Nepal along with their capacity
- iv. How electricity is distributed in households from hydropower.
- v. Make a list of the electronic appliances used at your home and write the capacity of each electronic appliance to convert electric energy into some other energies. (Example: Iron converts electric energy into heat energy, bulb converts electric energy into heat energy)

Note:

- i. Include diagram wherever possible.
- ii. Make a cover page

Study the table of electricity tariff rates:

Unit (KWH)	5 Amp		15 Amp		30 Amp		60 Amp	
	Service Charge(Rs.)	Energy Charge(Rs.)	Service Charge(Rs.)	Energy Charge(Rs.)	Service Charge(Rs.)	Energy Charge(Rs.)	Service Charge(Rs.)	Energy Charge(Rs.)
0 - 20	30	0.00	50	4.00	75	5.00	125	6.00
21 - 30	50	6.50	75	6.50	100	6.50	125	6.50
31 - 50	50	8.00	75	8.00	100	8.00	125	8.00
51 - 100	75	9.50	100	9.50	125	9.50	150	9.50
101 - 250	100	9.50	125	9.50	150	9.50	200	9.50
Above 250	150	11.00	175	11.00	200	11.00	250	11.00

Note: If a household having 5 ampere metre consumes only up to 20 units of electricity, the energy charge is Rs. 0.

- a. Find the consumption of electricity at your house.(Look at the bill and find the following)
- b. What is the capacity of the meter used at your house?
- c. How many units of electricity was consumed in the recent month.
- d. Find the energy charge for the consumption of electricity at your house.
- e. What will be the service charge?
- f. Calculate the bill amount of the electricity of your house.
- g. Attach photocopy of an original electricity bill.
- h. Prepare an electronic electricity bill using Ms-Excel of above calculated bill and mail it to [misgradex@gmail.com](mailto:misgradex@gmail.com)

Your project work will contain 10 marks in the third PPE in each LPS, DS & ICT subjects.

## गर्मी बिदाको एकीकृत रचनात्मक परियोजना कार्य :

विषयहरु : सामाजिक अध्ययन, सङ्गीत, कला तथा अर्थशास्त्र

तपाईंको समुदायमा रहेको कुनै एक धार्मिक, सांस्कृतिक, ऐतिहासिक वा पुरातात्विक स्थलको भ्रमण गर्नुहोस् । सो स्थानका अग्रज व्यक्ति र आफ्नो परिवारका जेष्ठ सदस्यसँग सोधपुछ गर्दै इन्टरनेट समेतको प्रयोग गरी सो स्थानको कला तथा वास्तुकला, यहाँ आयोजना गरिने विभिन्न जात्रा तथा पर्व, यस्ता जात्रा तथा पर्वमा प्रयोग हुने केही बाजा तथा पहिरनहरु पत्ता लगाउनुहोस् । साथै, सो स्थानको मर्मत सम्भार तथा सरसफाइको अवस्था र यो क्षेत्रमा कुन कुन चीजहरु हेर्न पर्यटक आउने गरेका छन्, पत्ता लगाउनुहोस् । पत्ता लागेका सबै तथ्यहरु समेटि परियोजना कार्य तयार पार्नुहोस् ।

मुखपृष्ठ (Cover Page) लाई कलात्मक चित्र कोरी Poster colour को प्रयोग गरी आकर्षक बनाउनुहोस् । साथै जात्रा तथा पर्वमा प्रयोग हुने केही बाजा तथा पहिरनहरुको चित्र खोजी भित्री पेजमा टाँस्नुहोस् ।

परियोजना कार्य A4 पेपरमा राम्रा अक्षरमा हातले लेखेको हुनुपर्छ ।

यो परियोजना कार्यबाट तेस्रो आवधिक परिक्षाका लागि मूल्याङ्कनका आधारमा १० अङ्क प्रदान गरिने छ ।

## Summer Vacation Assignment Grade IX English Literature & Nepali Integrated PG & KG

### 3D Model Making

- Make a 3D model of your own Animal Farm. Try and be as creative as possible using materials that can be recycled. Use color clays or plaster molds to make the animals.
- Write the process and other details of the model-making in **Nepali** on chart paper. एनिमल फार्मको मोडेल मेकिङको प्रक्रिया र अन्य विवरणबारे वर्णन गरेर चार्ट पेपर वा A3 साइज पेपरमा नेपाली भाषामा लेख्नुहोस् ।
- **Character Sketch (Do it on an A3 paper or a chart paper with a drawing of your favorite character)**
  - Choose a character from Animal Farm and write a character sketch.
  - The character sketch should be approximately one page long and should include the following:
    1. A brief physical description.
    2. Descriptions of at least three character traits.
    3. Evidence that shows these character traits (e.g. We know Boxer is loyal because...).