

## WORK SHEET -I (ENGLISH) Project

- 1- Write a letter to your friend describing your school excursion.(100-150 words)
- 2- Give the comparative and superlative degrees of the following adjectives and frame sentences by using them.  
lucky , fine , many , cold , , far , high , good
3. Explore and prepare each of the following topics (200 words):  
SECTION-A- Is social media good or bad for teenagers?  
SECTION-B- Ways to reduce pollution in our city.  
SECTION-C- How to deal with peer pressure?
4. Identify Adverb phrase and Adverb clause from the given sentences:  
(i) "She will complete the task in a few hours."  
(ii) "He stayed quiet because he was tired."  
(iii) "They arrived at the station late at night."  
(iv) "The children played until the sun set."  
(v) "She sings with great passion."."
5. Find out the correct Participles and Gerunds from the given sentences:  
(i) The broken window needs to be fixed.  
(a) broken                      (b) window                      (c) needs                      (d) fixed  
(ii) The barking dog woke everyone up.  
(a) everyone                      (b) woke                      (c) barking                      (d) dog  
(iii) He looked at the dancing leaves in the wind.  
(a)dancing                      (b). looked                      (c) leaves                      (d) in the wind  
(iv) I saw a sleeping baby in the stroller.  
(a) sleeping                      (b) baby                      (c) stroller                      (d saw  
(v) The falling leaves created a beautiful scene.  
(a) created                      (b) beautiful                      (c) falling                      (d) leaves

## WORK SHEET -II (MATHS)

- 1- Make a chart of 6 different 3-d Shapes along with the formula to find volume of each
- 2- The opposite angles of a parallelogram are  $(3a + 1)^\circ$  and  $(65 - a)^\circ$ . Find the measure of all its four angles .
- 3- A 400 m train is travelling at a speed of 60 Km/hr. How long will it take to cross a bridge of 600 m long ?
- 4- Complete the following series :
  - a) 1 , 4 , 7 , 10 , \_\_\_ , \_\_\_ , \_\_\_ , \_\_\_
  - b) 2 , 4 , 8 , 16 , \_\_\_ , \_\_\_ , \_\_\_ , \_\_\_
  - c) 1 , 3 , 6 , 10 , \_\_\_ , \_\_\_ , \_\_\_ , \_\_\_
- 5- Prepare the cut outs of various 2 D shapes and paste them on coloured A4 sheet and write the name of these shapes and find out the formula for finding out their area and perimeter .
- 6- An open water tank of dimensions 40 m x 20m x 12 m needs to be tiled with tiles of dimensions 30 cm x 30 cm. If one tile cost ₹ 10.5, find the total cost of tiling.
- 7  $4^{-3}$  as a power with the base 2:
  - (a) 211
  - (b) 21
  - (c) 26
  - (d) 2-6
- 8 A cuboid has a volume of  $275\text{cm}^3$  and base area of  $25\text{cm}^2$ . What is its height?
  - (a) 12 cm
  - (b) 11cm
  - (c) 10 cm
  - (d) 8 cm
- 9 Given a cylindrical tank, to find how much it can hold, we will find \_\_\_\_\_.
  - (a) Total surface area
  - (b) Volume
  - (c) Curved surface area
  - (d) Circumference
- 10 Factorise  $10x^3 - 15x^2$
- 11 Two parallel sides of a trapezium are of lengths 27 cm and 19 cm respectively and the distance between them is 14 cm. Find the area of the trapezium.
- 12 Find the value of:  $(3^0 + 4^{-1}) \times 2^2$
- 13 Find the volume of a cube whose total surface area is  $486\text{ cm}^2$ .
- 14 From the sum of  $(2x + 3y - 4z)$  and  $(3x - 4y)$  subtract the sum of  $(5x + 3y - 2y)$  and  $(2x - 5y + 3z)$
- 15 Factorise and divide:  $(5p^2 - 25p + 20) \div (p - 1)$
- 16 A cuboidal box of dimensions 1 m x 2 m x 1.5 m is to be painted except its bottom. Calculate how much area of the box has to be painted.
- 17 The surface area of a 10 cm x 4 cm x 3 cm brick is
  - (a)  $84\text{ cm}^2$
  - (b)  $124\text{ cm}^2$
  - (c)  $164\text{ cm}^2$
  - (d)  $180\text{ cm}^2$
- 18  $8a^2b^3 \div (-2ab)$ 
  - (a)  $4ab^2$
  - (b)  $4a^2b$
  - (c)  $-4ab^2$
  - (d)  $-4a^2b$
- 19 Factors of  $x^2 - xz + xy - yz =$ 
  - (a)  $(x - y)(x + z)$
  - (b)  $(x - y)(x - z)$
  - (c)  $(x + y)(x - z)$
  - (d)  $(x - y)(z - x)$
- 20 Factorise  $(2 - 50x^2)$ :
  - (a)  $2(1 - 5x^2)$
  - (b)  $2(1 + 5x^2)$
  - (c)  $(2 - 5x)(2 + 5x)$
  - (d)  $2(1 - 5x)(1 + 5x)$
- 21 0.0000463 in standard form is
  - (a)  $367 \times 10^4$
  - (b)  $36.7 \times 10^5$
  - (c)  $3.67 \times 10^6$
  - (d) none of these

## WORK SHEET -III -HINDI

- 1- शीत ऋतु पर अनुच्छेद लिखो (150 शब्द)
2. फास्टफूड के सचित्र 5 फायदे और 5 नुकसान A4 शीट पर लिखे ।
3. दो प्रकृति से संबंधित कविताओं का संकलन करते हुए छायावादी कवियों का कोलारज तैयार कीजिए।
4. भारत की खोज पाठ्यपुस्तक पढ़कर मोहनजोदाड़ो सभ्यता और नेहरू जी का जीवन परिचय लिखते हुए एक प्रोजेक्ट तैयार कीजिए।

## WORK SHEET -IV -SCIENCE

### PROJECT WORK

SECTION-A-3D Model of Cross -Pollination In Flowers(ROLL NO. 1 to 12)

Material Required :Thread (colourful ) ,coloured paper, adhesive ,pearls ,sketchpen , thermacol/card board

Procedure :

1. Draw the flowers showing cross pollination with pencil on a sheet.
2. Cut the colourful sheet accordingly and paste it on the same.
3. Start pasting thread at the boundary.
4. Use pearls where pollen grains to be shown.
5. At last label the diagram with sketch all letters should be capital.

SECTION-B-3D Model of Life Cycle of Silk Worm (ROLL NO. 13 to 24)

Material Required: Thread (colourful ) ,coloured paper, adhesive ,stickers (bindi ) , cotton sketchpen ,thermacol /card board

Procedure :

1. Draw the diagram of life cycle of silk worm (as in your laboratory book) with pencil on a sheet.
2. Cut the colourful sheets accordingly and paste on the same.
3. Start pasting thread at the boundary.
4. Use stickers to show eggs and cotton for cocoon.
5. At last label the diagram with sketch all letters should be capital.

SECTION-C- 3D Model of Pinhole Camera (ROLL NO. 25 to 36)

Material Required: a light- proof box, photo paper /butter paper, needle, brass shim piece

Procedure:

1. Make the pinhole: Poke a small hole in a brass shim piece with a needle.
2. Cut a hole in the box: Cut a small square opening in the box for the pinhole.
3. Tape the pinhole: Tape the pinhole behind the square opening.
4. Make a shutter: Make a flap to cover the pinhole form the outside.
5. Tape photo paper: Tape a piece of photo paper to the inside of the box across from the hole.

## **WORK SHEET -V - SOCIAL SCIENCE**

- 1- Draw a sketch of Baba Saheb Ambedkar and write about his early life and social inequality he faced.
- 2- Prepare 10 Medium answer questions from chapter - United States of America ( Part-1) and write down their answers.
- 3- Why constitution is necessary for any democratic country ? What fundamental rights have been provided by our constitution to each individual India ?
- 4- What is difference in Indian Democracy and American Democracy?

## **WORK SHEET -VI - ARTIFICIAL INTELLIGENCE**

- Q1. Write python program to print table of input number.
- Q2. Write python program to check the input number is a prime number or not.
- Q3. Write python program to find sum of first N natural number.

## **WORK SHEET -IX (PUNJABI) Creative Writing**

ਕੋਈ ਛੋਟੀ ਜਿਹੀ ਕਹਾਣੀ ਤਿਆਰ ਕਰਕੇ ਲਿਖੋ ਜਿਸ ਤੋਂ ਪਤਾ ਲੱਗੇ ਕਿ ਅਨਪੜ੍ਹ ਲੋਕੀ ਧੋਖਾ ਖਾਂਦੇ ਹਨ।

### **SPECIAL TASK**

On plain A<sub>4</sub> sheets solve papers of PA-II which are available in Winter Assignment Group -8<sup>th</sup> Std as well as on school website [www.kkcsedu.org](http://www.kkcsedu.org)