Al Khozama International School, Dammam

(B. E. S. T. Schools, Saudi Arabia)

Class: 8   Worksheet

Subject: Math

Evaluation-3 (February 2019)

Block 23 - Area of Quadrilaterals

1. DL and BM are the heights on sides AB and DC in Parallelogram ABCD respectively. If the area of Parallelogram ABCD is 1470 cm², AB= 35 cm, find the length of BM and DL.
2. The diagonals of a Rhombus are 19.4 cm and 14.7 cm. Find the area.
3. Find the area of a quadrilateral is 24cm and the altitudes drawn on it from the opposite vertices are 11 cm and 21 cm.
4. Find the area.
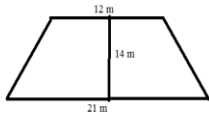
5. A Park of radius 70 m has a circular fountain of radius 17.5 m. Calculate the total walking area available to people visiting the park.
6. Find the area
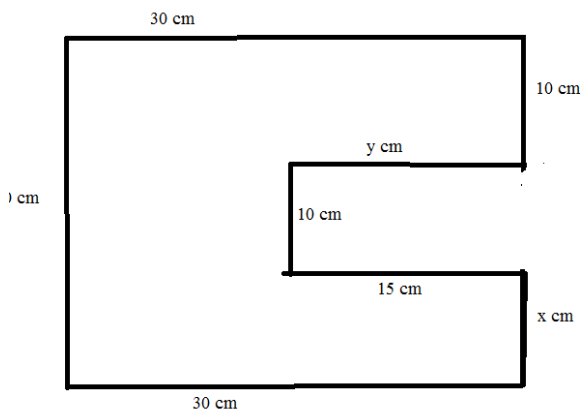
7. Find the area of the trapezoid ABCD.
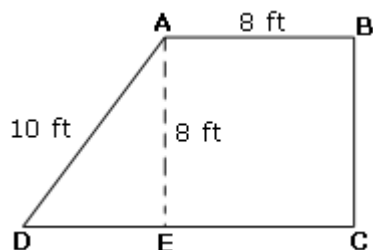
8. The sum of the lengths of the bases and the height of a trapezoid are 13 inches and 6 inches respectively. Determine the area of the trapezoid.
9. The side of a square measures 1/6 foot. Find the area of the square.
10. What is the area of the rectangle whose length is inches and width is 1 inches?

Block 24 - Surface Area

1. Find the height of a cylinder whose radius is 14 cm and the total surface area is 1936 cm^2.
2. 16 identical cubes with edges measuring 4 cm are joined together in 4 rows of 4 columns each. What will be the surface area of the new 3-D shape formed ?.
3. A cylindrical water tank of radius 3.5 m and height 7.5 m is made from a sheet of metal and is open from the top. How much metal sheet is required to make the tank? How much will be required if the tank is closed at the top as well?
4. Milk powder comes in a cylindrical container whose height is 20 cm and base has a diameter of 14 cm. The company places a label around the lateral surface of the container. If the label is Placed leaving a margin of 2 cm from the top and bottom, what is the area of the label?
5. If r = 49 m, h = 20m, find the surface area of the cylinder.
6. Find the surface area:
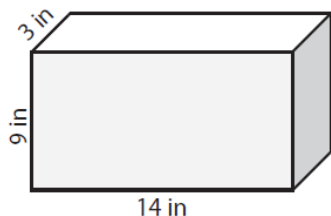
Surface Area = _____

7. Find the surface area:
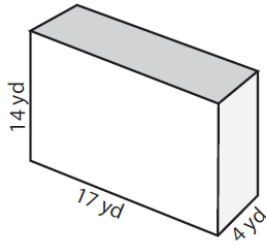
Surface Area = _____

8. find the surface area:
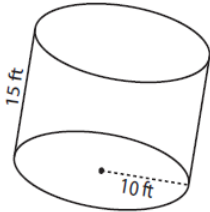
9. Find the surface area of the cube with side 16.5 cm.

Block 25 - Volume

1. Find the volume of the given cylinder
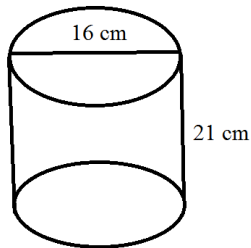
2. Find the volume
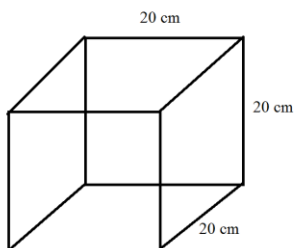
3. Find the volume of the figure.
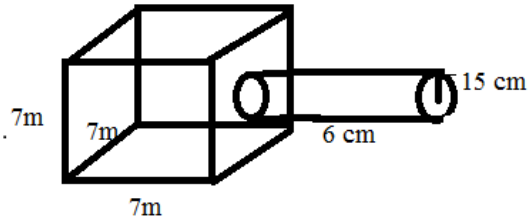
4. 5 Identical cubes with edges as 8.5 cm are joined to each other. What will the volume of the new 3-D shape formed be ?

5. A drum has a diameter of 40 cm and a depth of 18 cm. Find its volume.

6. The volume of a cylindrical metal pipe is 5735 cm^3. If the diameter of the mouth of the pipe is 21 cm then find the length of the pipe?

7. Find the volume :
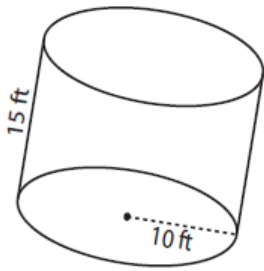
8. Find the volume of the cube
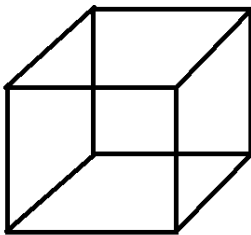
side = 30 cm

9. A company is deciding which box to use for their merchandise. Box A measures 8 cm * 6.25 cm * 10.5 cm and box B measures 9 cm * 5.5 cm * 11.75 cm. Which box requires more material to make?

10. The lateral area of a cylinder is 94.2 cm^2. the height is 6 cm. what is the radius?

Al Khozama International School, Dammam

(B. E. S. T. Schools, Saudi Arabia)

Class: 8

Worksheet 1

Subject:Math

Evaluation-3 (February 2019)

Block 26-Laws of Exponents

1. Find the multiplicative inverse of the following.
   A. 3^{-4}
   B. 13^{-9}
   C. 100^{-10}
   D. 47^{-1}
2. Find the $23^{-3} * 23^{-2}$ using the law.
3. Find the $100^{-9} * 31^{-9}$
4. Simplify :
   A. $(70^{23})^{-3}$
   B. $(123^2)^{-63}$
   C. $(4^1 + 4^{-1}) * 5^{-1}$
5. Express the following numbers in usual form
   A. 1.3×10^{-7}
   B. 1.5678×10^9
   C. 1.56×10^{-12}

Block 27-Direct and inverse variation

1. 6 people can do a job in 10 hours. How long will it take 9 people to do the same job?
2. A hostel has enough food to feed 1500 students for 100 days. for how many days would the food last if 120 more students were to join the hostel?.
3. The volume of a gas varies inversely with the pressure of the gas on its container. If a pressure of 25 pounds per square inch corresponds to a volume of 68 cubic inches, What pressure is needed to correspond to a volume of 80 cubic inches?
4. Train A travels 200km in 2 hours. If train B also travels at the same speed as Train A, what distance will it cover in 5 hours?.
5. A pump empties a swimming pool in 40 minutes at the rate of 1400 L/min. If the rate of pumping is 2000 L/min, how long does it take to empty the swimming pool?
6. Shweta wants to complete her senior design project to be able to graduate. She works on er project for 20 minutes out of every 3 hours. If her project requires 10 hours of work, how long will it take shweta to finish her project?.

7. The cost of producing pencils varies directly with the number of pencils produced. If the cost of producing 6,000 pencils is $400, then what will be the cost of production for 10,000 pencils?
8. Brian drives a distance of 250 m at a speed of 50 m/sec. With what speed should he drive so that he covers twice the distance in the same time?
9. An oil drilling company pumps 62 gallons of oil per minute into tankers. Find the time taken to pump 2852 gallons of oil into the tankers, if number of gallons of oil pumped is directly proportional to the time taken for pumping.
10. The current in an electrical conductor varies inversely as the resistance of the conductor. What is the current when the resistance is 23 ohms, if the current is 9 amperes when the resistance is 69 ohms?

Block 28-Linear Graph

1. The co-ordinates of a point are (0,2) the point will lie in _____ Quadrant.
2. The co-ordinates of a point are (-9,-6) the point will lie in _____ Quadrant.
3. Vertical line is called as _____.
4. The following table gives the quantity of orange and its cost. Draw a linear graph for the data.

No. of orange	1	2	3	4	5
Cost per orange	2	4	6	8	10

5. The given table shows the number of cars produced by a company during 5 years. Draw a line graph to represent the data.

Year	2010	2011	2012	2013	2014
No. of Cars	15000	24000	21000	30000	39000

6. Interpret the graph and answer the following questions

Number of teens with cell ohones
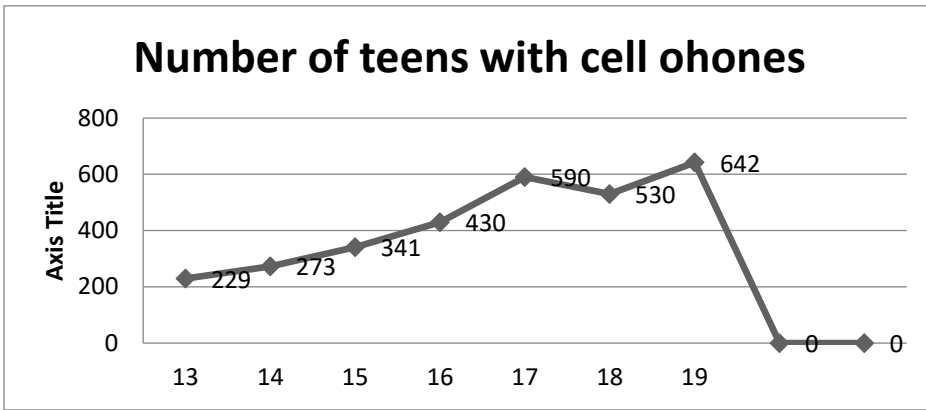
7. Plot the ordered pairs on coordinate plane (4,2), (4,7), (7,2), (7,7).
8. Plot the ordered pairs on coordinate plane (7,1), (7, 6), (9,1), (9,6) and find the area and perimeter.
9. Draw linear graph for the following data.

X	1	3	5	7
Y	2	4	6	8

10. How do you find the perimeter of a triangle given (2, 2), (-2, 2) and (-2,3) ?

Al Khozama International School, Dammam

(B. E. S. T. Schools, Saudi Arabia)

Class: 8

Worksheet 1

Subject:Science

Evaluation-3 (February 2019)

1. What are some advantages of using plastic bags over paper bags?

_____

_____

_____

2. What are the harmful effects of plastics on water bodies and soil?

_____

_____

_____

3. Why do thermo plastics soften on heating?

_____

_____

_____

4. Describe how coal is formed from dead vegetation.

_____

_____

_____

5. Why coal is an exhaustible resource?

_____

_____

_____

6. Which products are formed when coal is burnt?

_____

_____

_____

7. How are the luminous and non- luminous zones different?

_____

_____

8. What are the three conditions necessary for any substance to catch fire and burn?

_____
_____
_____

9. Will bio-gas burn with a flame? Why?

_____
_____
_____

10. What are cell organelles?

_____
_____
_____

11. What are the difference between plant cell and animal cell?

_____
_____
_____

12. What is the function of ribosome?

_____
_____

13. Why do plants need a rigid cell wall?

_____

14. Why do some women under go artificial fertilization?

_____
_____

15. Describe the process of fertilization in humans.

_____
_____

16. Identical twins are naturally produced clones. Justify the statement.

_____
_____

17How is an embryo different from foetus?

_____
_____

18. Differentiate between sperm and ovum.

Al Khozama International School, Dammam
(B. E. S. T. Schools, Saudi Arabia)

Class: 8

<div align="center">Worksheet 2</div>

Subject:Science

<div align="center">

Evaluation-3 (February 2019)

</div>

1. What is meant by puberty?
_____
_____
_____

2. Define hormones.
_____
_____
_____

3. What are sex hormones?
_____
_____
_____

4. What are the changes that take place during puberty in human male and female?
_____
_____
_____
_____

5. Draw a flow chart to explain how the female body prepares for reproduction after reaching Puberty.

6. What are the differences between contact and non- contact force?
_____
_____

7. When is an object at equilibrium?
_____
_____
_____

8. List out the effects of forces.
_____
_____
_____

9. Define force.
_____
_____
_____

10. How is a parallel circuit different from a series circuit?
_____
_____
_____

11. Define electrolysis.

_____
_____
_____

12. Why are tapes electroplated with Chromium?
_____
_____

13. Write any two uses of chemical effects of electric current.
_____
_____

14. Tap water conduct electric current while distilled water does'nt. Why?
_____
_____

16. What are the properties of liquid pressure?
_____
_____
_____

Al Khozama International School, Dammam

(B. E. S. T. Schools, Saudi Arabia)

Class: 8

Worksheet 1

Subject:Social Science

Evaluation-3 (February 2019)

Answer the Following in one or two sentences.

1. Who created a school for women in culcutta?

_____

2. What was the motive of the British behind the Simon Commission?

_____

_____

_____

3. What was the purpose of the salt march?

_____

_____

_____

_____

4. What is the rule of law?

_____

_____

_____

_____

5. Write an example of arbitrary laws.

_____

_____

_____

_____

Answer the following.

6-What type of discrimination was the lower castes facing?

_____

_____

_____

_____

7-What was what the temple entry movement?

_____

_____

_____

_____

8. What were the two main ideas of the non-cooperation movement?

_____

_____

_____

_____

9. How do you think Khilafat agitation influenced the non-cooperation movement?

_____

_____

_____

_____

10. Why was the Muslim League and Lucknow pact important in Indians struggle for increased self rule?

_____

_____

_____

_____

11. Name two events that caused the Civil Disobedience movement to become the Quit India movement.

_____

_____

_____

_____

12. Why did Gandhi take part in the Second Round Table conference?

_____

_____

_____

_____

13. Why should the rule of law be respected in a democracy?

_____

_____

_____

_____

14. How can people influence the parliament in making a new law?

_____

_____

_____

_____

15. Write three qualities that you think a judge must have.

_____

_____

_____

_____

Answer the following in detail.

16. What do you think were some of the challenges faced in the education of women in India?

_____

_____

_____

_____

_____

17. Explain how the Rowlatt Satyagraha became a turning point in Indian history.

_____

_____

_____

_____

_____

18ss. Pick one of the following events and explain whether or not it was effective in helping Indians get independence from Britain. Support your answer with reasons.

A. Women's participation in Civil Disobedience.

B. March to Dandi

C. Reaction of Indians to the Simon Commission

_____

_____

_____

_____

_____

_____

_____

_____

Al Khozama International School, Dammam

(B. E. S. T. Schools, Saudi Arabia)

Class: 8

Worksheet 2

Subject:Social Science

Evaluation-3 (February 2019)

Answer the Following in one or two sentences

1. What are the four major classifications of natural vegetation?

_____

_____

_____

2. Write one difference between ferrous and non ferrous minerals.

_____

_____

_____

_____

3. Name the continent with the highest population.

_____

_____

_____

_____

4. Which country is the largest producer of iron ore?

_____

_____

5. Name a country with highest population.

_____

Answer the following.

6. How can climatic conditions determine the natural vegetation of the world?

_____

_____

_____

_____

7. Why is it difficult to know for certain which minerals deposits are in Antarctica?

_____

_____

_____

_____

8. How can the use of alternate energy resources help to counter scarcity?

_____

_____

_____

_____

9. What do you mean by population pyramid?

_____

_____

_____

_____

10. How does the presence of natural vegetation determine availability of water throughout the year?

_____

_____

_____

_____

11. What do you mean by active population?

_____

_____

_____

_____

12. What is population composition?

_____

_____

_____

_____

13. What are the factors that determine whether a man is skilled or unskilled?

_____

_____

_____

_____

14. How would the migration affect the population?

_____

_____

_____

_____

15. Name the different types of energy resources.

_____

_____

_____

_____

Answer the following in detail:

16. What are the necessary conditions, given which a desert could be transformed in to a forest over a time?

_____

_____

_____

_____

17.'Energy is everywhere, but harnessing energy is difficult'. Evaluate the statement.

_____

_____

_____

_____

18. 18. On the given outline map of India, Locate and name the state where the following minerals found.

     a) Iron ore   b)Mica   c) Manganese   d) Gold   e) Mineral Oil
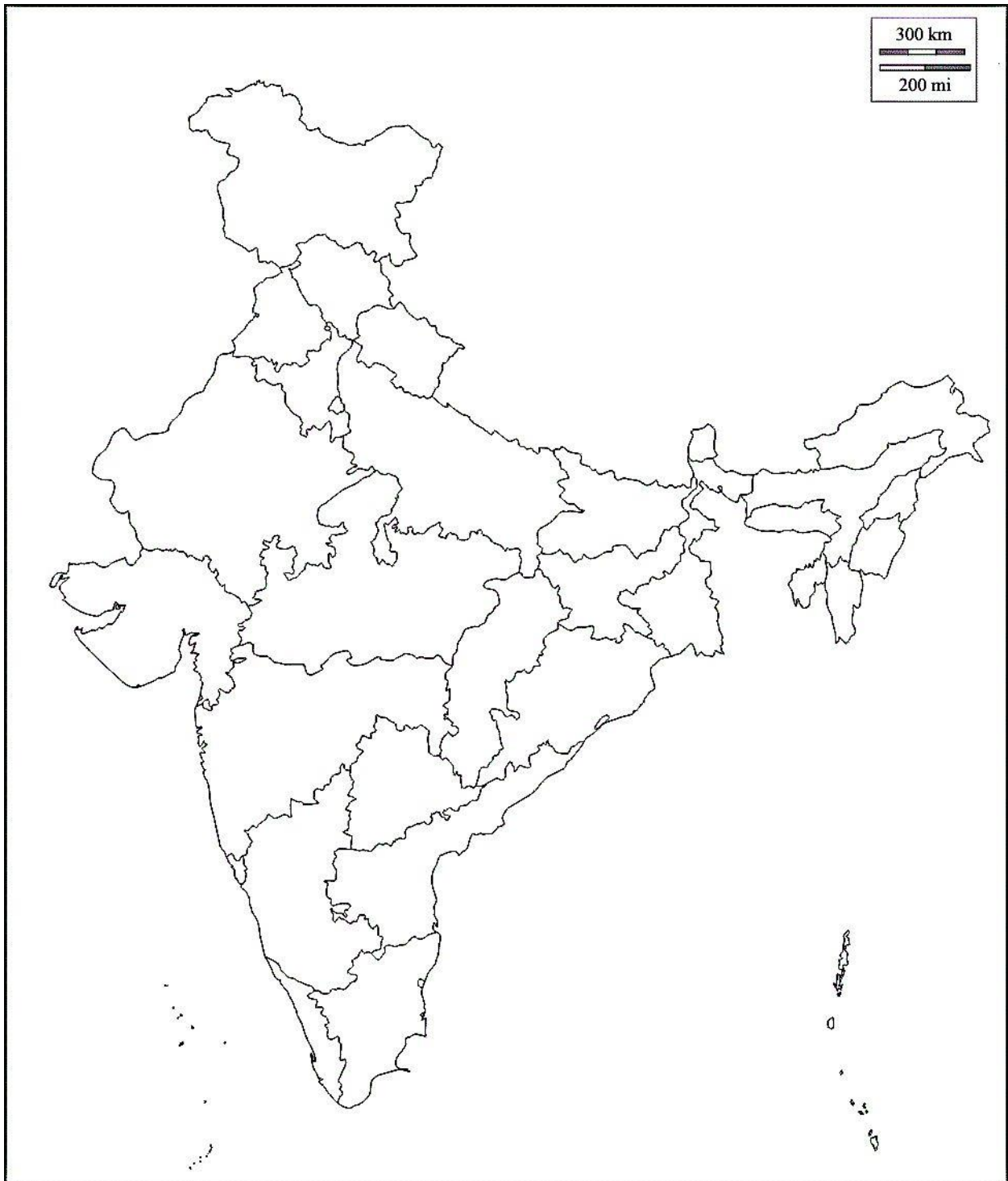
300 km

200 mi

Class: 8

Worksheet 1

Subject:Tamil

Evaluation-3 (February 2019)

I. பொருள் எழுதுக.   **2**

1. குவை-
2. மேதி-

II. பிரித்து எழுதுக.   **2**

1. பசும்பொற்சுடர்-
2. தமிழ்ப்பசி-

III. சேர்த்து எழுதுக.   **2**

1. கோடு+இடறி-
2. வேண்டியது+இல்லை-

IV.கோடிட்ட இடங்களை நிரப்புக.   **2**

1. கணினியின் தந்தை என அழைக்கப்படுபவர் _____.
2. இருபதாம் நூற்றாண்டின் இணையற்ற கண்டுபிடிப்பு _____.

V.   அடிப்பிறழாமல் எழுதுக.   **3**

1. "முத்தே பவளமே" எனத்தொடங்கும் வாழ்த்துப்பாடலை எழுதுக.

VI.பின்வரும் சொற்களைச் சொற்றொடரில் அமைத்து எழுதுக.
4

1. தொலைபேசி-

2. நீதிபதி-

VII. கீழ்காணும் வினாக்களுக்கு விடை எழுது.   **10**

1. தமயந்தி மனம் தடுமாறக் காரணம் என்ன?

2. கணினியின் வகைகள் யாவை?

3. இணையதள வசதியைப் பெற தேவையான பொருள்கள் யாவை

Class: 8

Worksheet 1

Subject:Hindi

Evaluation-3 (February 2019)

1.दिए गए गद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर दीजिए-

हमारी यह धरती लगभग पाँच अरब साल पुरानी है। दो-तीन अरब साल तक इस धरती पर किसी प्रकार के जीव-जंतु नहीं थे। आदमी ने इस धरती पर कोई पाँच लाख साल पहले जन्म लिया। धीरे-धीरे उसका विकास हुआ। अक्षरों की खोज के साथ एक नए युग की शुरुआत हुई। आदमी अपने विचार और अपने हिसाब-किताब को लिखकर रखने लगा। तबसे मानव को 'सभ्य' कहा जाने लगा। आदमी ने जबसे लिखना शुरू किया तबसे 'इतिहास' आरंभ हुआ।

I.   आदमी ने धरती पर कब जन्म लिया ?

_____

_____

II.   कब से मानव को सभ्य कहा जाने लगा ?

_____

_____

_____

III.   निम्नलिखित शब्दों लिखिए-

धरती_____ सौगात _____

IV.   दिए गए शब्दों के विलोम शब्द लिखिए ।
धर्म_____ दयालु_____

V.   निम्नलिखित शब्दों के दो-दो पर्यायवाची लिखिए ।
समुद्र_____ , _____

गिरी_____,_____

यात्री_____,_____

2. दिए गए पद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर दीजिए।

मैं तो वही खिलौना लूँगा'
कहें दीना का लाल -
'खेल रहा था जिसको लेकर
राजकुमार उछाल-उछाल ।'
व्यथित हो उठी माँ बेचारी -
'था सुवर्ण - निर्मित वह तो !
खेल इसी से लाल, - नहीं है
राजा के घर भी यह तो ! '-
फेंक दिया मिट्टी में उसने
मिट्टी का गुड्डा तत्काल ,-
'मैं तो वही खिलौना लूँगा'
मचल गया दीना का लाल ।

I.   उपरोक्त काव्यांश में दीना का लाल क्या मांग रहा है ?

II.   दीना के लाल ने क्या फेंक दिया ?

III.   राजकुमार के पास कौनसा खिलौना था ?

IV.   शब्द के दो भिन्न अर्थ लिखिए।

   लाल- _____
   दिया-_____

V.   उपरोक्त काव्यांश के लिए उचित शीर्षक लिखिए।

   _____

3. निम्नलिखित शब्दों के दो-दो पर्यायवाची लिखिए ।

नदीश- ---

नर- ---

गिरि - ---

नमन - ---

4. मूल शब्द और प्रत्यय अलग करके लिखिए ।

अखंडित------------------------- अर्पित-------------------------------------

मानवता--------------------------- जीवित-------------------------------------

5. निम्नलिखित प्रश्नों के उत्तर लिखिए-
क- बच्चों के खेलघर के पास लेखक ने क्या देखा

ख- किसी भी राष्ट्र के जीवित होने की क्या कसौटी है

6- सामाजिक बुराई "दहेज प्रथा" पर एक अनुच्छेद लिखिए।-
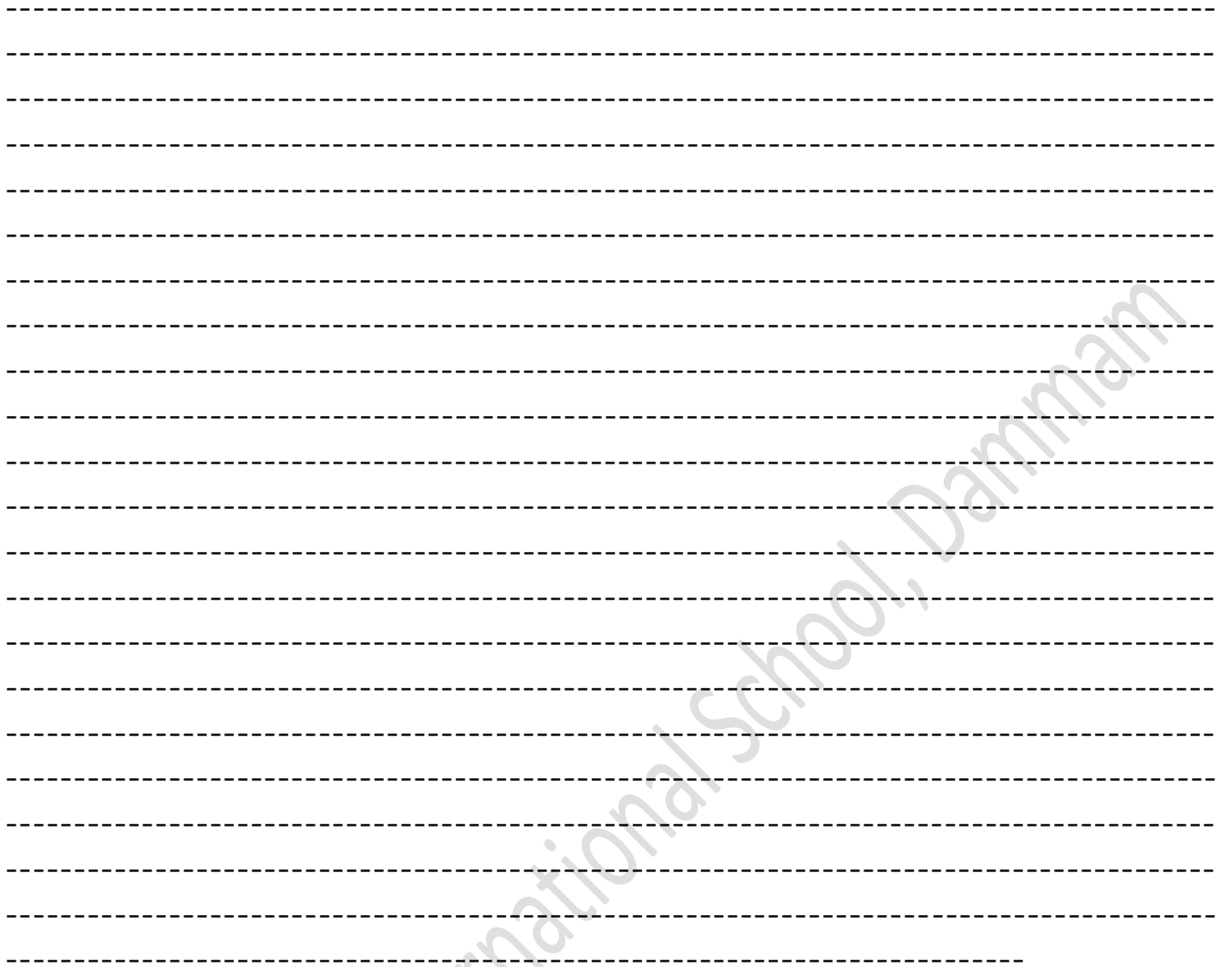
---------------------------- Page 25 -------------------------------
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Class: 8

Worksheet 2

Subject:Hindi

Evaluation-3 (February 2019)

1.दिए गए गद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर दीजिए-

आज से करीब डेढ़ हज़ार साल पहले चीन में बारूद का अविष्कार हुआ। फिर ईसा की ग्यारहवीं सदी में चीनियों ने रॉकेट भी बनाए। लगभग इसी समय भारत को भी बारूद की जानकारी मिली। भारत को यह जानकारी या तो चीनी कामगारों से मिली या फिर भारतीय बंदरगाहों पर पहुँचने वाले चीनी व्यापारियों से। आज भी आतिशबाजी के पटाखों का सबसे अधिक प्रयोग दक्षिण भारत में ही होता है। रॉकेट का भी अधिक इस्तेमाल दक्षिण भारत के युद्धों में हुआ है। रॉकेट के लिए लोहे के खोलो का इस्तेमाल भी भारत की खोज माना जाता है।

I. बारूद का अविष्कार निम्नलिखित में से किस देश में हुआ था?

(क) भारत (ख) चीन (ग)रूस (घ) अमेरिका

II. भारत को बारूद की जानकारी कब मिली ?

(क) ग्यारहवीं शताब्दी में (ख) बारहवीं शताब्दी में

(ग) तेरहवी शताब्दी में (घ)दसवीं शताब्दी में

III. आतिशबाज़ी के पटाखों का अधिकतर उत्पादन किन राज्यों में होता है?

(क) पूर्वोत्तर के राज्यों में (ख) उत्तर भारतीय राज्यों में

(ग) दक्षिण भारतीय राज्यों में (घ)इनमें से कहीं नहीं

2. मूल शब्द और उपसर्ग अलग करके लिखिए ।

अनुचित- _____

अवगुण-_____

उपकार-_____

संतोष-_____

3. निम्नलिखित प्रश्नों के उत्तर दीजिए ।

(क)- लेखक ने दुनिया को काँच के महल जैसी क्यों कहा है ?

(ख)- अनपढ़ नौकरानी ने कौन सी सीख किस प्रकार दी ?

(ग)- कवियत्री किसे एक सुनहली किरण देने के लिए कह रही है ?

(घ)- बहन के प्रेम की कौनसी बात भाई के मन पर सदा के लिए छप गई ?

(ड़)- बादशाह का हुक्म क्या था और उसे किसने तोड़ा ?

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4. अपने विद्यालय के पुस्तकालय में हिंदी की पुस्तकें मंगाने के लिए प्रधानाचार्य को पत्र लिखिए।

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5. दिए गए चित्र का वर्णन कीजिए।