MERRY CHRISTMAS
& HAPPY NEW YEAR

Dear Parents
Greetings from The Asian School!

Winter is here. We may not be surrounded by mountains filled with snow, but winter nonetheless has something whimsical to offer no matter where we are – warm clothes, a sip of hot cocoa or simply a lazy snuggle in the blanket. But what it also brings with it is the much-awaited winter vacation. Vacation is the time for people to get together and meet their friends and relatives. It also provides a great opportunity for the children to explore their myriad interest and indulge in various activities which would lead to their all-round development. As the New Year is round the corner, it reminds us of all the good things that happened this year and allows us to build hopes for the upcoming one.

To give our students the opportunity to have quality time with their family in the comfort of their homes, the school has scheduled the winter break from **15th December 2023 to 21st January 2023**. The classes will resume from **22nd January 2024**.

Holidays are not only a time to indulge in some creative art work or a hobby, but also the time to do self-study and revise the concepts learnt. We would like our students to make the best use of their vacations and continue their journey for learning through revision worksheets and holiday homework, which is shared with them. We believe homework during the break is a great opportunity for students to keep up their academic learning, while also having some time for relaxation

Our aim is to provide homework that will consolidate what the students have learned during the term and also allow them to explore new ideas and become independent learners. This homework will therefore be a valuable tool for your child's continued growth and development.

We would like to remind you that homework should be a shared experience between your child and yourself. We hope that you will take an active role in supporting your child to complete this work, while allowing them to enjoy the winter break.

The homework will be explained to your child by their teachers and outlined in a document that they have been provided. Should you have any questions or concerns regarding the homework, please do not hesitate to speak to your child's teacher.

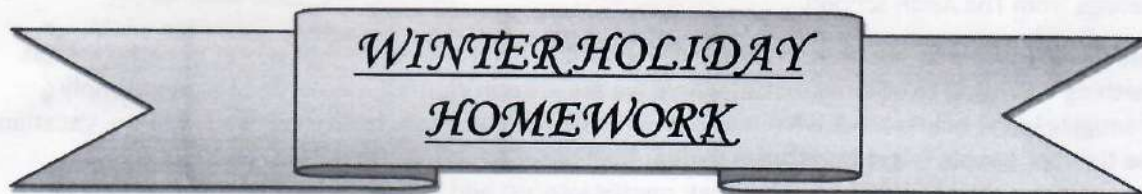**Instructions for the Holiday Home work:**
Note: -
1. Holiday Homework carries marks; hence submission of work post vacation is compulsory for all students.
2. Written Homework of all the subjects: - English, Hindi, Science, Mathematics, Social Science and Computers are to be done as per the instructions.
3. The Holiday work must be done in a very neat and presentable manner.

4. The child will be assessed for the content, handwriting, presentation, neatness and completion of all the given questions.
5. Enrich your vocabulary by learning the vocabulary words from Hindi & English textual books.
6. Subject teachers have further imparted specific Instructions on each worksheet. Before attempting the questions, you must read them thoroughly.
7. Holiday Homework is a part of Subject Enrichment Activity

Thank you for your continued support in your child's education. We wish you all a safe and happy winter holiday

Regards
The Asian School

WINTER HOLIDAY HOMEWORK

8TH GRADE

"Opportunity For *Budding Young Writers and Poets*"

Get your *short stories* and *poems* published in form of a book by submitting your entries at the given email addresses between 10 January and 15 January 2024.

Guidelines to be followed:

1. The story/poem should be original.
2. The story line, characters, plot etc should not be copied from any source.
3. The story can fit any genre. (mystery, action, thriller, fiction, horror, supernatural etc)
4. The story should be in 500 - 1500 word range.
5. To be sent as word (doc) file.

Entries to be submitted at:

gitanjalisindhi52@gmail.com – VI B, VII D, VII E, VIII A, VIII D

ekjotsach9@gmail.com – VI A, VI C, VII C, VIII B, VIII E

neelmaberry@gmail.com – VI D, VII A, VII B, VIII C

Note: It will be incorporated in the school story book 'REFLECTIONS'.

I. ENGLISH
Refer to your coursebook BBC Compacta Class VI.

A. Module 1 Reading Passage - Classroom Assignments 5 and 6
Note: Answers of Assignments 5 and 6 are to be written in the HW English language notebook.

B. Module 7 (A) - Integrated Grammar Practice (to be done in the book itself)
- Pages 378 and 379 - Gap-filling Type – I (1 - 3), Type –II (4 - 5)
- Pages 380-383 - Type -I and Type - II
- Pages 386-389 - Editing : Error Correction
- Pages 396-399 - Editing : Omissions
- Pages 404-407 - Sentence Reordering
- Pages 410-413 - Dialogue Completion

C. Module 7 (B) Vocabulary (to be done in the book itself)
- Page 426 Synonyms (A 1-15)
- Page 429 Antonyms (B 1-19)

II. HINDI
Attempt the given worksheets I and II in your Homework notebooks.

III. MATHEMATICS
Attempt the given worksheets in your Maths Practice notebook.

IV. SCIENCE
Prepare a **MODEL** on **ONE** of the following topics as per your roll numbers

S. NO	ROLL NO.	TOPIC	S. NO.	ROLL NO.	TOPIC
1.	1 to 6	HUMAN EAR	6.	26 to 30	FOOD ADULTERATION
2.	7 to 12	HUMAN EYE	7.	31 to 35	ELECTROPLATING
3.	13 to 18	PLANT CELL	8.	36 to 40	MALE & FEMALE GAMETES
4.	19 to 24	ANIMAL CELL	9.	41 to 45	ELECTROSCOPE
5.	25 to 30	ELECTROLYSIS OF WATER	10.	46 to 50	FRACTIONAL DISTILLATION FOR PETROLEUM REFINING

V. HISTORY/CIVICS
Study the chapter *CIVILIZING THE 'NATIVE'; EDUCATING THE NATION* from your History text book. Attempt the given worksheet in your homework notebook. You may use the link given below for reference.
Refer to the Link - https://youtu.be/fQ4y1LAKWqk

VI. GEOGRAPHY
Practice the below maps and stick them in your homework notebook
1. On the World Map mark the Jute growing areas.
2. Mark the major forests of the world.
3. On the Political map of India mark major minerals.
4. On the Political map of India mark the National parks, Wildlife Sanctuaries and Bioreserves

VII. COMPUTERS
Draw and explain any five computer topologies in your homework notebook.

VIII. SANSKRIT
Attempt the given worksheet in your Sanskrit notebook.

IX. FRENCH

1. Make notes on the following topics from pg 135 to 139 : (to be done in notebook)
   - Position of adjectives
   - Feminine of adjectives
   - Plural of adjectives
   - Possessive adjectives
   - Interrogative adjectives
   - Demonstrative adjectives
   - Interrogative adjectives
   - Adverbs of quantity
   - Pronominal verbs

2. Make list of the Irregular adjectives from pg 137 : (to be done in notebook)

X. PUNJABI

Read the chapters according to syllabus and write meanings of difficult words.
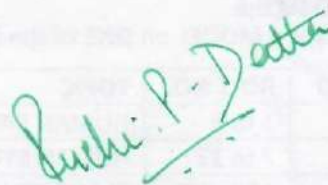
XI. SUPW

Topic: MANJUSHA ART

Make **TWO TABLE MATS** on A4 sized sheet (**WHITE COLOUR ONLY**) using Manjusha Art. The sheet should be thick.

- Take A4 sized thick, white paper
- Make a drawing of Manjusha Art on the white sheet.
- Colour it and allow it to dry.
- After drying your art, get it laminated to make it waterproof. Write your name, class and section at the back of your table mat and submit it to your subject teacher in your SUPW lesson.

HEADMISTRESS

PRINCIPAL

1.Attempt the worksheet in your subject homework notebook.
2.The worksheet is based on the topics which have been taught previously.
3.The worksheet is meant for practice and recapitulation and shall be discussed by the subject teacher once the classes resume.

प्र.1 निम्नलिखित गद्यांशों को ध्यानपूर्वक पढ़कर प्रश्नों के उत्तर लिखिए :-

गद्यांश-१ – ज्ञानवृद्धि और आनंद की प्राप्ति का एक प्रमुख साधन अध्ययन है। वह आत्म-संस्कार के विधान का एक अंग है। किसी जाति के साहित्य में गति प्राप्त करने का कोई और द्वार नहीं है। किसी जाति के भाव और विचार साहित्य में ही व्यक्त रहते हैं तथा उसी में उसकी उन्नति के क्रम का लेख रहता है। मनुष्य जाति के सुख और कल्याण के विषय में संसार में प्रतिभा सम्पन्न लोगों ने जो सिद्धांत स्थिर किए हैं उन्हें जानने का साधन स्वाध्याय ही है। जो पढ़ता है नहीं, उसे इस बात की खबर ही नहीं रहती कि मनुष्य की ज्ञान परंपरा किस सीमा तक पहुंच चुकी है। वह और यह जानता ही नहीं कि मनुष्यों के श्रम से एक मार्ग तैयार हो चुका है।

(क) शिक्षा का क्या उद्देश्य है?
(ख) किस प्रकार की शिक्षा व्यर्थ है?
(ग) मनुष्य के जीवन में आत्मिक ज्ञान का क्या महत्व है?
(घ) उपयुक्त गद्यांश का उपयुक्त शीर्षक दीजिए।
(ड) मनुष्य व संसार के दो - दो पर्यायवाची शब्द लिखिए।

गद्यांश-२ – संस्कृति का सामान्य अर्थ है, मानव जीवन के दैनिक आचार - व्यवहार, रहन – सहन तथा क्रिया – कलाप आदि। वास्तव में संस्कृति का निर्माण एक लंबी परम्परा के बाद होता है। संस्कृति विचार व आचरण के वे नियम और मूल्य हैं जिन्हें कोई अपने अतीत से प्राप्त करता है। इसलिए कहा जाता है कि इसे हम अतीत से अपनी विरासत के रूप में प्राप्त करते हैं। दूसरे शब्दों में कहें तो संस्कृति एक विशिष्ट जीवन – शैली का नाम है। यह एक सामाजिक विरासत है जो परंपरा से चली आ रही होती है। प्रायः सभ्यता और संस्कृति को एक ही मान लिया जाता है, परंतु इनमें भेद हैं।सभ्यता में मनुष्य के जीवन का भौतिक पक्ष प्रधान है अर्थात् सभ्यता का अनुमान भौतिक सुख – सुविधाओं से लगाया जा सकता है। इसके लिए विपरीत संस्कृति को आत्मा माना जा सकता है। इसलिए इन दोनों को अलग – अलग करके नहीं देखा जा सकता। वास्तव में दोनों एक – दूसरे के पूरक हैं। इनका विकास भी साथ – साथ होता है। अंतर केवल इतना है कि सभ्यता समय के बाद बदलती रहती है, किंतु संस्कृति शाश्वत रहती है।

(क) संस्कृति का क्या अर्थ है?
(ख) संस्कृति को विरासत का स्वरूप क्यों कहा जाता है?
(ग) सभ्यता और संस्कृति में क्या भेद है?
(घ) सभ्यता और संस्कृति का क्या अर्थ है?
(ङ) गद्यांश को उचित शीर्षक दीजिए।

प्रश्न 2. निम्नलिखित विषयों पर पत्र लिखिए --

(क) विद्यालय में हुए वार्षिकोत्सव का वर्णन करते हुए अपने मित्र को पत्र लिखिए।
(ख) अनुचित पार्किंग के कारण होने वाली असुविधा के लिए पुलिस कमिश्नर को पत्र लिखिए।

1.Attempt the worksheet in your subject homework notebook.
2.The worksheet is based on the topics which have been taught previously.
3.The worksheet is meant for practice and recapitulation and shall be discussed by the subject teacher once the classes resume.

(क) हिंदी व्याकरण की पुस्तक में से वाक्य की परिभाषा व वाक्य के वर्गीकरण के आधार लिखें ।
(ख) रचना के आधार पर वाक्य के सभी भेदों की परिभाषा व उदाहरण पुस्तक में से लिखिए ।
(ग) निम्नलिखित वाक्यों के रचना के आधार पर भेद बताइये --
(i) रोहन जब से दिल्ली गया है तब से बीमार हो गया है ।
(ii) माता जी ने खाना बनाया और बाजार चली गई ।
(iii) दादा जी खाना खाकर सो गए ।
(iv) जैसे हे मैं स्टेशन पहुँचा वैसे हे ट्रेन चल पड़ी।
(v) राधा ने गण गया और नृत्य किया ।
(vi) बदल घिरे और मोर नाचने लगे ।
(vii) सूरज पढ़-लिखकर अधिकारी बना ।
(viii) मैंने उसे कहा कि यहाँ से चले जाओ ।

(घ) आपकी पाठ्य-पुस्तक में दिए गए पाठअकबरी लोटा को पढ़ें तथा लिंक में दिए गए प्रश्न – उत्तर (1 - 13) कीजिये तथा इस पाठ से हमें क्या शिक्षा मिलती है अपने शब्दों में बताइये।–
https://educationwithfun.com/course/view.php?id=63&section=28

THE ASIAN SCHOOL, DEHRADUN
(SESSION :2023-24)
WINTER HOLIDAY HOMEWORK WORKSHEET

CLASS:VIII   **SUBJECT: MATHEMATICS**

1. Attempt the worksheet in your subject practice notebook.
2. The worksheet is based on the topics which have been taught previously.
3. The worksheet is meant for practice and recapitulation and shall be discussed by the subject teacher once the classes resume.

Q (1): A cuboid has a volume of 275 cm³ and base area of 25 cm². What is its height ?

(a) 12 cm   (b) 11 cm   (c) 10 cm   (d) 8 cm

Q (2): A godown is in the form of a cuboid of measure 60 m × 40 m × 30 m. How many cuboidal boxes can be stored in it if the volume of one box is 0.8 m³ ?

(a) 60,000   (b) 80,000   (c) 90,000   (d) 1,00,000

Q (3): A rectangular piece of paper 11 cm × 4 cm is folded without overlapping to make a cylinder of height 4 cm. What is the volume of this cylinder?

(a) 48.5 cm³   (b) 38.5 cm³   (c) 28.5 cm³   (d) 58.5 cm³

Q (4): A cuboid is of dimensions 60 cm × 54 cm × 30 cm. How many small cubes with side 6 cm can be placed in the given cuboid?

(a) 225   (b) 425   (c) 450   (d) 250

Q (5): What is the height of a cylinder whose volume is 1.54 m³ and the diameter of the base is 140 cm ?

(a) 1 m   (b) 10 m   (c) 5 m   (d) 3 m

Q (6): How many small cubes with an edge of 20 cm each can be just accommodated in a cubical box of 2 m edge?

(a) 10   (b) 100   (c) 1000   (d) 10000

Q (7): What is the capacity of a water tank, in litres, whose dimensions are 4.2 m, 3 m and 1.8 m?

(a) 22660 L   (b) 22680 L   (c) 26660 L   (d) 222680 L

Q (8): The dimensions of a rectangular water tank are 2 m 75 cm by 1 m 80 cm by 1 m 40 cm. How many litres of water does it hold when filled to the brim?

(a) 3960 L   (b) 6390 L   (c) 6930 L   (d) 3096 L

Q (9): A cardboard box is 1.2 m long, 72 cm wide and 54 cm high. How many bars of soap can be put into it if each bar measures 6 cm × 4.5 cm × 4 cm?

(a) 234 bars   (b) 5648 bars   (c) 3650 bars   (d) 4320 bars

Q (10): The size of a matchbox is 4 cm × 2.5 cm × 1.5 cm. What is the volume of a packet containing 144 matchboxes? How many such packets can be placed in a carton of size 1.5 m × 84 cm × 60 cm?

(a) 756000 cubic cm, 150 packets   (b) 756000 cubic cm, 350 packets

(c) 756000 cubic cm, 240 packets   (d) 756000 cubic cm, 100 packets

Q (11): The rainfall recorded on a certain day was 5 cm. Find the volume of water that fell on a 2-hectare field.

(a) 500 cubic m   (b) 1000 cubic m   (c) 100 cubic m   (d) 2000 cubic m

Q (12): A pit 5 m long and 3.5 m wide is dug to a certain depth. If the volume of earth taken out of it is 14 cubic m, what is the depth of the pit?

(a) 18cm   (b) 40cm   (c) 80 cm   (d) 60 cm

Q (13): A rectangular water tank is 90 cm wide and 40 cm deep. If it can contain 576 litres of water, what is its length?

(a) 1.060 m   (b) 1.600 m   (c) 16.00 m   (d) 1.800 m

Q (14): An aquarium is in the form of a cuboid whose external measures are 80 cm × 30 cm × 40 cm. The base, side faces and back face are to be covered with a coloured paper. The area of the paper needed is ?

(a) 8600 cm²   (b) 8000 cm²   (c) 9000 cm²   (d) 9600 cm²

Q (15): The internal measures of a cuboidal room are 12 m × 8 m × 4 m. Find the total cost of whitewashing all four walls of a room, if the cost of white washing is Rs 5 per m².

(a) 480 rupees   (b) 500 rupees   (c) 580 rupees   (d) 800 rupees

Q (16): In a building there are 24 cylindrical pillars. The radius of each pillar is 28 cm and height is 4 m. Find the total cost of painting the curved surface area of all pillars at the rate of 8 Rs per m².

(a) 1362.68 rupees   (b) 1381.68 rupees   (c) 1351.68 rupees   (d) 1324.68 rupees

Q(17): Find the height of a cylinder whose radius is 7 cm and the total surface area is 968 cm²..

(a) 20 cm   (b) 15 cm   (c) 25 cm   (d) 10 cm

Q(18): If the radius of a cylinder is tripled but its curved surface area is unchanged, then its height will be ?

(a) tripled   (b) constant   (c) one sixth   (d) one third

Q(19): Three cubes of metal whose edges are 6 cm, 8 cm and 10 cm respectively are melted to form a single cube. The edge of the new cube is ?

(a) 12 cm   (b) 24 cm   (c) 18 cm   (d) 20 cm

Q(20): Two cubes have volumes in the ratio 1:64. The ratio of the area of a face of first cube to that of the other is ?

(a) 1:4   (b) 1:8   (c) 1:16   (d) 1:32

Q(21): The walls and ceiling of a room are to be plastered. The length, breadth and height of the room are 4.5 m, 3 m, and 350 cm respectively. What is the cost of plastering at the rate of Rs 8 per m²?

(a) Rs 1062   (b) Rs 528   (c) Rs 640   (d) Rs 550

Q22. In the given figure, What is the volume of the figure?

(a) $x^3/2$ (b) $x^3/3$ (c) $x^3/4$ (d) x^3

Q(23): Three cubes each of side 10 cm are joined end to end. What is the surface area of the resultant figure?

(a) 1600 cm²   (b) 1400 cm²   (c) 1200 cm²   (d) 1000 cm²

Q(24): The area of a trapezium shaped field is 480 m², the distance between two parallel sides is 15 m and one of the parallel sides is 20 m. The other parallel side is ?

(a) 40 m   (b) 44 m   (c) 20 m   (d) 22m

Q25. In the above image, find the area enclosed in cm² by the given figure ABCDEF as per the dimensions given.

(a) 540   (b) 504   (c) 450   (d) 405

Q(26): In the above image, find the area of the given figure ABCDEFGH in cm² as per dimensions given in it.

(a) 86   (b) 52   (c) 25   (d) 68

Q27. In the given image, find the area of the regular hexagon whose each side is 13 cm.
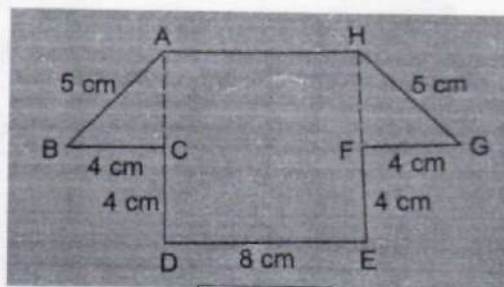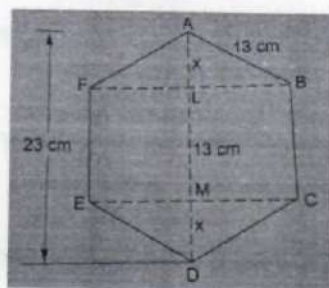
(a) 423   b) 324   c) 432   d) 342

Fig. Q22
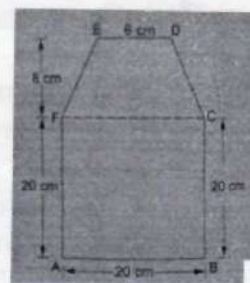

Fig. Q26

Fig. Q27

Fig. Q25

Q28. Q28. In the given figure ABCDE is a pentagonal park in which DE = DC, AB = BC = CE = EA = 25 m and its total height is 41 m. Find the area of the park.

(a) 825 m²   (b) 826 m²   (c) 827 m²   (d) 828 m²

Q29. From the given figure, Find the area of the shaded region, if ABCD is a square of side 14 cm and APD and BPC are semi-circles.

(a) 42 cm²   (b) 20 cm²   (c) 100 cm²   (d) 125 cm²
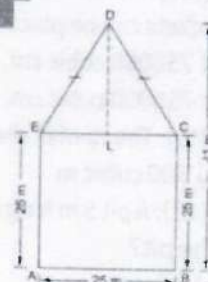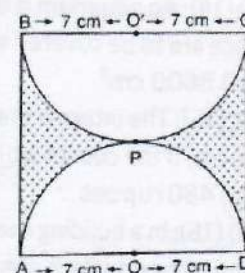

Fig. Q28

Fig. Q29

Q (30): In the above figure, a plot is in the form of a rectangle ABCD having a semi-circle on BC. If AB = 60 m and BC = 28 m, find the area of the plot.

(a) 1998 sq cm   (b) 1111 sq cm   (c) 1388 sq cm   (d) 1988 sq cm

Q (31): Find the area enclosed by the above figure as the sum of the areas of a rectangle and a trapezium.

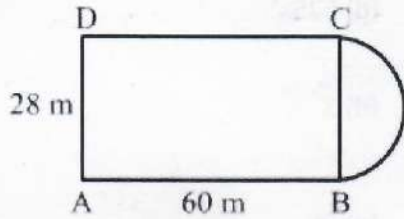(a) 334 sq cm   (b) 424 sq cm   (c) 384 sq cm   (d) NONE OF THESE
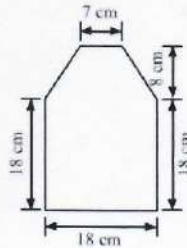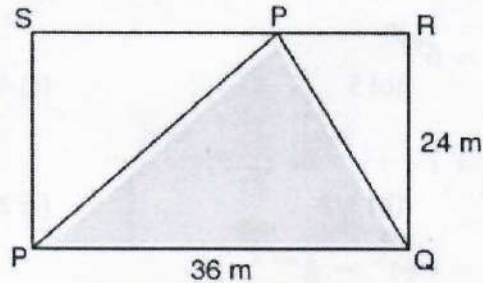
Fig. Q30

Fig. Q31

Fig. Q32

Q32. From the above figure, find the area of the shaded portion.

(a) 432 m^2 (b) 43 m^2 (c) 532 m^2 (d) 632 m^2

Q33. From the above image, Find the area of the shaded region.

(a) 240 m^2 (b) 241 m^2 (c) 242 m^2 (d) 243 m^2

Q (34): Express in standard form 4050000.

(a) 4.05×10^6 (b) 40.5×10^6

(c) 4.05×10^2 (d) 4.05×10^4

Fig. Q33

Q (35): Express in usual form 3.52×10^5

(a) 3520   (b) 3.52

(c) 352000   (d) 352

Q (36): Express in usual form 7.54×10^{-4}

(a) 0.00754   (b) 0.000754   (c) 754   (d) 0.754

Q (37): Express in standard form 0.0000000000085

a) 8.5×10^{-12} b) 8.5×10^{-10} c) 8.5×10^{-15} d) 7.5×10^{-12}

Q (38): Find x so that $(-5)^{x+1} \div (-5)^5 = (-5)^7$

(a) 0   b) 1   c) 2   d) -1

Q39. $(7^{-1} - 8^{-1})^{-1} - (3^{-1} - 4^{-1})^{-1}$ is

(a) 68   b) 56   c) 44   d) 12

Q40. $[4^{-1} + 3^{-1} + 6^{-2}]^{-1} = ?$

a) 19/11   b) 18/11   c) 20/11   d) 17/11

Q41. Find the value of n if $\dfrac{2^n \times 2^6}{2^{-3}} = 2^{18}$

a) 8   b) 9   c) 7   d) 6
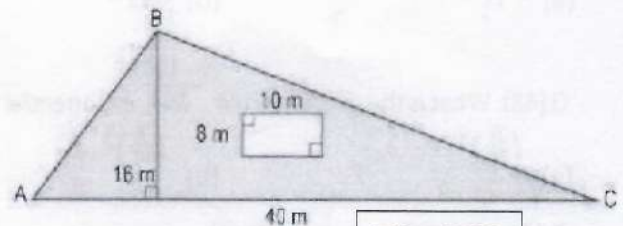
Q(42): Simplify:

$$\frac{125 \times x^{-3}}{5^{-3} \times 25 \times x^{-5}}$$

(a) $625x^6$ (b) $625x^2$ (c) $625x^3$ (d) $625x^5$

Q(43): If $\dfrac{5^m \times 5^3 \times 5^{-2}}{5^{-5}} = 5^{12}$

(a) 6   (b) 5   (c) 4   (d) 3

Q(44): Find x. $-\frac{1}{7}^{-5} \div \left(-\frac{1}{7}\right)^{-7} = (-7)^x$

(a) 1/2   (b) 3/2   (c) 2   (d) -2

Q(45): Find x. $\frac{2}{5}^{2x+6} \times \left(\frac{2}{5}\right)^3 = \frac{2}{5}^{x+2}$

(a) 5   (b) -6   (c) -7   (d) 7

Q(46): If a = −1, b = 2, then find the value of $a^b + b^a$

(a) 1/2   (b) 3/2   (c) 2   (d) -2

Q(47): What is the expression of $\dfrac{-1296}{14641}$ exponential form?

(a) $\left(\frac{-6}{11}\right)^3$ (b) $\left(\frac{-6}{11}\right)^4$ (c) $\left(\frac{-6}{11}\right)^{-3}$ (d) $\left(\frac{-6}{11}\right)^{-4}$

Q(48): What is the expression of $\dfrac{-125}{343}$ exponential form?

(a) $\left(\frac{5}{7}\right)^2$ (b) $\left(\frac{5}{7}\right)^3$ (c) $\left(\frac{5}{7}\right)^{-3}$ (d) $\left(\frac{-5}{7}\right)^3$

Q(49): Simplify: $\dfrac{(9)^3 \times 27 \times t^4}{(3)^{-2} \times (3)^4 \times t^2}$

(a) $3^7 \times t^3$ (b) $3^7 \times t^2$ (c) $3^{-7} \times t^2$ (d) $(-3)^7 \times t^2$

Q(50): Simplify: $\dfrac{(3^{-2})^2 \times (5^2)^{-3} \times (t^{-3})^2}{(3^{-2})^5 \times (5^3)^{-2} \times (t^{-4})^3}$

(a) $(3t)^6$ (b) $(4t)^7$ (c) $(5t)^6$ $(7t)^9$ (d)

THE ASIAN SCHOOL, DEHRADUN

(Session 2023-24)

HOLIDAY HOMEWORK WORKSHEET- 2

Class: VIII   **Subject:Mathematics**

1. The sum of the digits of a two digit number is 15. If the number formed by reversing the digits is less than the original number by 27. Find the original number.

2. Find three consecutive odd numbers whose sum is 147.

3. Rakhi's mother is four times as old as Rakhi. After 5 years, her mother will be three times as old as she will be then. Find their present ages.

4. Solve for x:
   $$\frac{2x+7}{5} - \frac{3x+11}{2} = \frac{2x+8}{3} - 5$$

5. Solve for y:
   $15(y - 4) - 2(y - 9) + 5(y + 6) = 0$

6. Solve (a) $5x + \frac{7}{2} = \frac{3}{2}x - 14$ (b) $\frac{7}{y-12} = \frac{3}{y+4}$

7. Solve $\frac{x-2}{3} - \frac{x-3}{6} = 5 - \frac{x-3}{18}$

8. Sum of the digits of a two-digit number is 9. When the digits are interchanged and 18 is subtracted from the new number the resulting number is greater than the original number by 9. What is the two digit number?

9. Bansi has three times as many two -rupee coins as he has five rupee coins. If he has in all a sum of Rs 77, how many coins of each denomination does he have?

10. A cubical hall can hold 74.088 m^3 of air. What is the height of the hall?

11. Find the value of the following expressions:

   (a) $\frac{1}{2^{-3}}$ (b) $\left(\frac{6}{7}\right)^{-8} \div \left(\frac{6}{7}\right)^{-5}$ (c) $\left[\left\{\left(-\frac{1}{2}\right)^2\right\}^{-2}\right]^{-1}$

   (d) $\left(1^{-2} + 2^{-2} + 3^{-2}\right)^0$ (e) $\left(2^{-1} + 3^{-1}\right)^{-1} \div 4^{-1}$

12. Simplify for x : $3^{5x-1} \div 27 = 3^{-5}$

13. (a) Express 0.0000015 and 35600000 in standard form.   (b) Write 2.57×10^{-5} in usual form.

14. Add $7xy + 5yz - 3zx$, $4yz+9zx- 4xy$, $-3xz+5yz -2xy$

15. Subtract $l(l - 4m + 5n)\ from\ 4l(10n - 3m + 2l)$

16. Find product $\left(x^2 - 2\right)\left(9x^2 - 2x + 5\right)$

17. Simplify: $(a + b)(2a - 3b + c) - (2a - 3b)c$

18. Evaluate by suitable algebraic identity: (a) 98×102 (b) $99^2 - 98^2$

19. Factorise:

1. $z^2 - 4z - 12$ 2. $x^2 - 2xy + y^2 - z^2$

3. $25\,a^2 - 4b^2 + 28bc - 49c^2$ 4. $16x^5 - 144x^3$

5. $a^4 b^4 - c^4$ 6. $4x^2 - 16x + 15$

7. $p^2 q - pr^2 - pq + r^2$ 8. $x^4 - (x - z)^4$

20. Divide : $39y^3(50y^2 - 98) \div 26y^2(5y + 7)$

21. WRITE FORMULAE

SHAPE	LSA	TSA	VOLUME
CUBOID			
CUBE			
CYLINDER			

22. WRITE FORMULAE

    (A) Basic formula of volume=

    (B) Basic formula of LSA =

    (C) Area of trapezium=

    (D) Circumference of circle=

    (E) Area of circle=

    (F) Area of triangle=

    (G) Area of equilateral triangle=

    (H) Area of rhombus when diagonals given=

1. Attempt the given worksheet in your homework notebook
2. The worksheet is meant for practice and shall be discussed by the subject teacher once the classes resume

Chapter: Civilizing the 'Native'; Educating the Nation
Link - https://youtu.be/fQ4y1LAKWqk

1. Define the term linguist.
2. What was main aim behind establishing Hindu College in Benaras in 1791?
3. How did Thomas Babington Macaulay see India?
4. When did the Company decide about improving the system of vernacular education?
5. Name the institution established by Rabindranath Tagore.
6. Why was the English Education Act introduced and in which year?
7. Who emphasized on teaching of English language in manner of civilizing, changing the taste values and cultures of the Indians?
8. By whom was the Asiatic society of Bengal was setup?
9. What is meant by an Orientalist?
10. Which languages were learnt by William Jones?

1.Attempt the worksheet in your subject notebook.
2.The worksheet is based on the topics which have been taught previously.
3.The worksheet is meant for practice and recapitulation and shall be discussed by the subject teacher once the classes resume.

नीचे दिए गए अनुच्छेदों को पढ़कर दिए गए प्रश्नों के उत्तर लिखिए- Read the following paragraphs and answer the questions.)

गद्यांश-१ – अद्य विद्यालये अवकाशः अस्ति। राघवः पाठं न पठति। सः दूरदर्शनेन क्रिकेट प्रतियोगितां पश्यति। राघवस्य मित्रं रोहणः अपि विद्यालय – कार्यम् न करोति। रोहणः पुत्तलिका खेलं द्रष्टुम् गच्छति । सः मित्रैः सह खेलम् पश्यति। पुत्तलिका खेल: अतीव रोचकः अस्ति। पुत्तलिकाः नृत्यन्ति। सूत्रधारः खेलं करोति। खेलं दृष्ट्वा सर्वे प्रमुदिताः सन्ति।

I. एक पदेन उत्तरत। (एक पद में उत्तर दीजिए। Answer in one word.)
(क) अवकाशः कुत्र अस्ति?   (ख) कः पाठं न पठति?
(ग) रोहणः कस्य मित्रम्?   (घ) रोहणः किं न करोति?
उत्तर: (क) विद्यालये   (ख) राघवः   (ग) राघवस्य   (घ) विद्यालय - कार्यम्

II. पूर्णवाक्येन उत्तरत। (संपूर्ण वाक्य में उत्तर दीजिए। Answer in sentences.)
(क) रोहण: किमर्थं गच्छति?   (ख) सूत्रधारः किं करोति, पुत्तलिकाः च किं कुर्वन्ति?
उत्तर: (क) रोहणः पुत्तलिका खेलं द्रष्टुम् गच्छति।   (ख) सूत्रधारः खेलं करोति, पुत्तलिकाः च नृत्यन्ति।

III. भाषाकार्यम् – निर्देशानुसार उत्तरत। (भाषाकार्य – निर्देशानुसार उत्तर दीजिए। Answer as per Directions
1.'पुत्तलिका खेलः' इति पदस्य किं विशेषणम् अत्र प्रयुक्तम् ?
(i) अतीव   (ii) रोचकः   (iii) अस्ति
उत्तर: - (i) रोचकः

2.'रोहण: पुत्तलिका खेलं द्रष्टुम् गच्छति' इति वाक्ये 'गच्छति' इति क्रिया पदस्य
(क) कः कर्ता ?
(i) रोहणः   (ii) पुत्तलिका खेलम्   (iii) दुष्टुम्

(ख) किम्-कर्मपदम्?
(i) पुत्तलिका खेलम्   (i) द्रष्टुम्
उत्तर: - (i) रोहणः   (ii) पुत्तलिकाखेलम्

3.(क) सः 'मित्रैः सह खेलम् पश्यति'। इति वाक्यं बहुवचने परिवर्त्य पुनः लिखत ।
उत्तर: - ते मित्रैः सह खेलान् पश्यन्ति।
(ख) "पुत्तलिकाः नृत्यन्ति' इति वाक्यम् एकवचने परिवर्त्य पुनः लिखत ।
उत्तर: - पुत्तलिका नृत्यति।

गद्यांश-२
नगरस्य पूर्व भागे एकम् उद्यानम् अस्ति। उद्याने विविधाः वृक्षाः, पादपाः, लताः च सन्ति। वृक्षाः मधुराणि फलानि यच्छन्ति। इमे आम्र वृक्षाः सन्ति। आम्रवृक्षे पिकः तिष्ठति। पिकः मधुरं गायति। पादपेषु लतासुच पुष्पाणि विकसन्ति। पुष्पेषु सुगन्धिः भवति। अतः पुष्पेषु भ्रमराः तिष्ठन्ति, पुष्पाणां रसं पिबन्ति, मधुरेण स्वरेण च गुञ्जन्ति।

I. उपर्युक्त गद्यांशस्य उचितं शीर्षकं लिखत? (उपर्युक्त गद्यांश का उचित शीर्षक लिखिये।)
उत्तर: - उद्यानम् (बाग)।

II. नगरस्य पूर्वभागे किम् अस्ति? (नगर के पूर्व भाग में क्या हैं?)
उत्तर: - उद्यानम् (बाग)।

III. सुगन्धिः केषु भवति? (सुगन्ध किनमें होती है?)
उत्तर: - पुष्पेषु (फूलों में)।

IV. पिकः कुत्र तिष्ठति? (कोयल कहाँ बैठती है?)
उत्तर: - आम्र वृक्षे (आम के पेड़ पर)।

V. पुष्पेषु के तिष्ठन्ति? (फूलों पर कौन बैठते हैं?)
उत्तर: - भ्रमराः (भौंरे)।