SUMMER HOLIDAYS HOMEWORK
SESSION 2017-18
CLASS VII

ENGLISH

Do question 1,2 and 3 on A-3 size sheets and put them in a handmade folder.

1. Make a list of 10 antonyms and 10 synonyms.
2. Read any one of the following fictions and write the summary in your own words. You can also make it creative by drawing / sticking pictures related to the story.
   a) Little Women by Louisa M Alcott
   b) Oliver Twist by Charles Dickens
   c) The Time Machine by H.G.Wells
   d) Robinson Crusoe by Daniel Defoe
3. Write three new words daily with their meanings and frame sentences on them. Use the following sources to make your personal dictionary. newspapers, magazines, storybooks, novels etc.
4. Do the comprehension passages in the BBC. (Term I Module I. Passages 1-5)
5. Read Chapter 1 to 4 of your novel-**The Merry Adventures of Robin Hood.**

HINDI

1. निम्नलिखित विषयों पर ए 3 साइज़ शीट पर स्लोगन लिखकर आकर्षक पोस्टर बनाओ|

   क बेटी बचाओ बेटी पढाओ   (अनुक्रमांक 1 से 10)

   ख साक्षरता अभियान   (अनुक्रमांक 11 से 20)

   ग स्वच्छता अभियान   (अनुक्रमांक 21 से 30)

   घ बाल मजदूरी   (अनुक्रमांक 31 से 40)

2. निम्नलिखित विषयों पर सुंदर लिखाई में 100 से 120 शब्दों में अनुच्छेद व्याकरण कॉपी में लिखिए:-

   1 राष्ट्रीय एकता

    2 वृक्षारोपण की आवश्यकता

   3 विज्ञान और हम

   4 सच्ची मित्रता

   5 अनुशासन का महत्त्व

3. सुनहरी धूप, व्याकरण कार्य पुस्तिका व पाठ्य पुस्तक में करवाया गया कार्य याद कीजिये|

MATHS

Solve the given questions in a separate notebook.

ASSIGNMENT-1
INTEGERS

1. Subtract the sum of -1032 and 878 from -34.   (Ans. 120)
2. The sum of two integers is 65. If one of them is -31, find the other. (Ans. 96)
3. The difference of an integer a and -6 is 4. Find the value of a.   (Ans. -2)
4. Find 36-(-64) and (-64)-36. Are they equal?   (Ans. No, 100,-100)
5. In a class test containing 10 questions, 5 marks are awarded for every correct answer and (-2) marks are awarded for every incorrect answer and 0 for each question not attempted. If Heena gets 2 correct and 5 incorrect answers. What is her score?   (Ans. 0)

6. Find the product:
   (-6) x (-5) x (-7) x (-2) x (-3)   (Ans. -12600)
7. A certain freezing process requires that room temperature be lowered from 40ºC at
   the rate of 5ºC per hour. What will be the room temperature 12 hours after the
   process begins?   (Ans. -20 C^0)
8. Simplify: { -13-(-27)}+{-25-(-40)}   (Ans. 29)
9. Height of a place A is 1800m above sea level. Another place B is 700m below sea level. What is the
   difference between the levels of these two places?   (Ans. 3500m)
10. A green grocer had a profit of Rs 47 on Monday, a loss of Rs. 12 on Tuesday and loss of Rs. 8 on
    Wednesday. Find his net profit or loss in 3 days.   (Ans. Rs 27)
11. A multi-storey building has 25 floors above the ground level each of height 5m. It also has 3 floors in
    the basement each of height 5m. A lift in building moves at a rate of 1m/s. If a man starts from 50m
    above the ground, how long will it take him to reach at 2nd floor of basement?   (Ans. 40sec)
12. Taking today a zero on the number line, if the day before yesterday is 17 January, what is the date 3
    days after tomorrow?   (Ans. 23)
13. What will be the sign of the product, if we multiply 90 negative integers and 9 positive integers? (Ans.+)
14. By how much less than -3 is -7?   (Ans. 4)
15. Subtract -134 from the sum of 38 and -87. (Ans. 85)

ASSIGNMENT-2
FRACTIONS AND DECIMALS

1. A ribbon of length $\frac{21}{4}$ is cut into small pieces each of length $\frac{3}{4}$ m .Find the number of pieces. (Ans. 7)

2. Find $\frac{1}{3}$ of $\frac{1}{6}$.   (Ans. $\frac{1}{18}$)

3. Find the product: 0.03 x 0.9.   (Ans. 0.0027)

4. Solve: $\frac{31}{6} \div \frac{9}{2}$ (Ans. $\frac{31}{27}$)

5. $\frac{4}{5}$ of 5kg apples were used on Monday, the next day $\frac{1}{3}$ of what was left was used. Find weight (in kg) of
   apples left now.   (Ans . $\frac{2}{3}$Kg)

6. Rani ate $\frac{2}{7}$ part of a cake while her brother Ravi ate $\frac{4}{5}$ of the remaining. Find the part of cake left. (Ans.$\frac{1}{7}$)

7. What is the cost of 27.5m of cloth at Rs.53.50 per metre?   (Ans . Rs. 1471.25)

8. How many $\frac{1}{16}$ kg boxes of chocolates can be made with $\frac{3}{2}$ kg chocolates? (Ans. 24)

9. In a class of 40 students, $\frac{1}{5}$ of the total number of students like to eat rice only, $\frac{2}{5}$ of the total number of students
   like to eat chapatti only and the remaining students like to eat both. What fraction of the total number of
   students like to eat both?   (Ans. $\frac{2}{5}$)

10. Renu completed $\frac{2}{3}$ part of her homework in 2 hours. How much part of her homework had she

    completed in $\frac{5}{4}$ hours?   (Ans. $\frac{5}{12}$)

11. Will the quotient $\frac{43}{6} \div \frac{11}{3}$ be a fraction greater than or less than 1.5? Explain. (Ans. 1.95 greater)

12. Heena's father paid an electric bill of Rs 385.70 out of a 500 rupee note. How much change should he
    have received?   (Ans. 114.30)

13. When 0.02964 is divided by 0.004, what will be the quotient?   (Ans. 0.741)

14. How much cloth will be used in making 6 shirts, if each required $\frac{9}{4}$ m of cloth allowing $\frac{1}{8}$ m for waste
    in cutting and finishing in each shirt?   (Ans.   51 / 4 m)

15. Cost of a burger is Rs $\frac{83}{4}$ and of macpuff is Rs$\frac{31}{2}$. Find the cost of 4 burgers and 14 macpuffs. (Ans. 300)

ASSIGNMENT-3

RATIONAL NUMBERS

1. Subtract: 1) (- $\frac{3}{4}$) from $\frac{1}{2}$ 2) $\frac{5}{8}$ from (- $\frac{3}{14}$)   (Ans. 1)$\frac{5}{4}$ 2)$\frac{47}{56}$)

2. What should be added to (- $\frac{7}{20}$) to get (- $\frac{2}{5}$)?   (Ans. $\frac{-1}{20}$)

3. The sum of two rational numbers is (- $\frac{3}{7}$). If one of the number is (- $\frac{5}{8}$) find the other.   (Ans. $\frac{11}{56}$)

4. The sum of two rational numbers is (- $\frac{5}{8}$). If one of the number is (- $\frac{6}{11}$), find the other number.(Ans.$\frac{7}{88}$)

5. To which number should $\frac{2}{3}$ be added to give (- $\frac{11}{4}$)?   (Ans. $\frac{-41}{12}$)

6. From which number should (-$\frac{11}{4}$) be subtracted to give (-$\frac{11}{4}$)? (Ans. $\frac{-11}{2}$)

7. Find the product of :

   1) $\frac{5}{9}$, -$\frac{2}{5}$ 2) -5, -$\frac{3}{15}$ (Ans. 1) $\frac{-2}{9}$ 2) 1)

8. Represent the following rational numbers on the number line:

   a) - $\frac{3}{4}$ b) $\frac{31}{-6}$

9. Write the following rational numbers in the standard form:

   a) - $\frac{24}{40}$ c) $\frac{-45}{-105}$ (Ans. a) $\frac{-3}{5}$ b) $\frac{9}{35}$)

10. Compare the following rational numbers:

   1) - $\frac{9}{27}$, $\frac{6}{-18}$ 2) - $\frac{5}{7}$, $\frac{10}{-6}$ (Ans. 1) $\frac{-2}{27}$ = $\frac{6}{-18}$ 2)$\frac{-5}{7}>\frac{-10}{6}$

11. Arrange the following rational numbers in the descending order:

   $\frac{2}{-3}$,   -$\frac{4}{9}$,   -$\frac{5}{12}$, $\frac{7}{-18}$ (Ans. $\frac{-7}{18}> \frac{-5}{12} >\frac{-4}{9}> \frac{-2}{3}$)

12. Arrange the following rational numbers in the ascending order:

   $\frac{5}{6}$, $\frac{7}{8}$, -$\frac{11}{12}$, -$\frac{3}{10}$ (Ans. $\frac{-11}{12}< \frac{-3}{10} <\frac{5}{6} < \frac{7}{8}$)

13. Find the rational number between:

   1) 3 and 4   2) -7 and -6   (Ans. 1) 7/2   2) -13/2)

14. Verify the property a x b = b x a by taking:

   a = (-$\frac{12}{7}$), b = (-$\frac{21}{5}$)

15. By what number should (- $\frac{6}{11}$) be multiplied to get (-$\frac{32}{11}$)?   (Ans. $\frac{16}{3}$)

ASSIGNMENT-4

EXPONENTS AND POWERS

Simplify

1. $\frac{12^4 \ X \ 9^3 \ X \ 4}{6^3 X \ 8^2 \ X \ 27}$ (Ans. 162)

2. $\frac{25 \ X \ 5^2 \ X \ t^8}{10^3 X \ t^4}$ (Ans. $\frac{5}{8}t^4$)

3. $\dfrac{3^5 X\ 10^5 X\ 25}{5^7 X\ 6^5}$ (Ans. 1)

4. $2^{55} X\ 2^{60} - 2^{97}\ X\ 2^{18}$ (Ans. 0)

5. $\dfrac{4^5 X\ a^8 b^3}{4^5 X\ a^5 b^2}$ (Ans. $a^3 b$)

6. $\dfrac{10\ X\ 5^{n+1} + 25\ X\ 5^n}{3\ X\ 5^{n+2} + 10\ X\ 5^{n+1}}$ (Ans. $\dfrac{3}{5}$)

Find the values of n in each of the following:

7. $5^{2n}\ X\ 5^3 = 5^{11}$ (Ans. 4)

8. $8\ X\ 2^{n+2} = 32$ (Ans. 0)

9. $7^{2n+1} \div 49 = 7^3$ (Ans. 2)

10. $25^{n-1} + 100 = 5^{2n-1}$ (Ans. 2)

11. If $\dfrac{p}{q} = \left(\dfrac{2}{3}\right)^2 \div \left(\dfrac{6}{7}\right)^0$, find the value of $\left(\dfrac{p}{q}\right)^3$ (Ans. $\dfrac{64}{729}$)

Express each of the following as a product of prime factors only in exponential form.

12. 108 X 192 (Ans. $2^8 . 3^4$)

13. 729 X 64 (Ans. $2^6 . 3^6$)

Compare the following numbers:

14. 2.7 X 10 ^{12} and 1.5 X 10 ^{8} (Ans. 2.7 X $10^{12} > 1.5$ X10^8)

15. 4 X 10^{14} and 3 X 10 ^{7} (Ans. 4X $10^{14} > 3$X 10^7)

PROJECTS:

 Make your respective   projects on a ½ cardboard sheet.
 Project 1. (Roll No. 1-4)
   Make a 3D geometrocity: A city made of maths.
 Project 2. (Roll No. 5-8)
   Make a 2-D model of a robot using square paper or the graph sheet on a cardboard and find its perimeter
   and area.
 Project 3. (Roll No. 9-12)
   Show 5 equivalent fractions pictorially on a cardboard.
 Project 4. (Roll No. 13-16)
   Make a 3-D model of a classroom using different geometrical shapes.
 Project 5. (Roll No. 17-20)
   Make a 3-D model of the solar system and write the distance of the planets from the sun in scientific
   notation.

SCIENCE
PART A: PROJECTS
Models (any one) are to be made using ecofriendly/ biodegradable materials.
 Project 6. (Roll No. 21-24)
    Model of human digestive system.
 Project 7. (Roll No. 25-28)
    Model of Human Teeth.

Project 8. (Roll No. 29-32)
　　Model of Insectivorous plant.
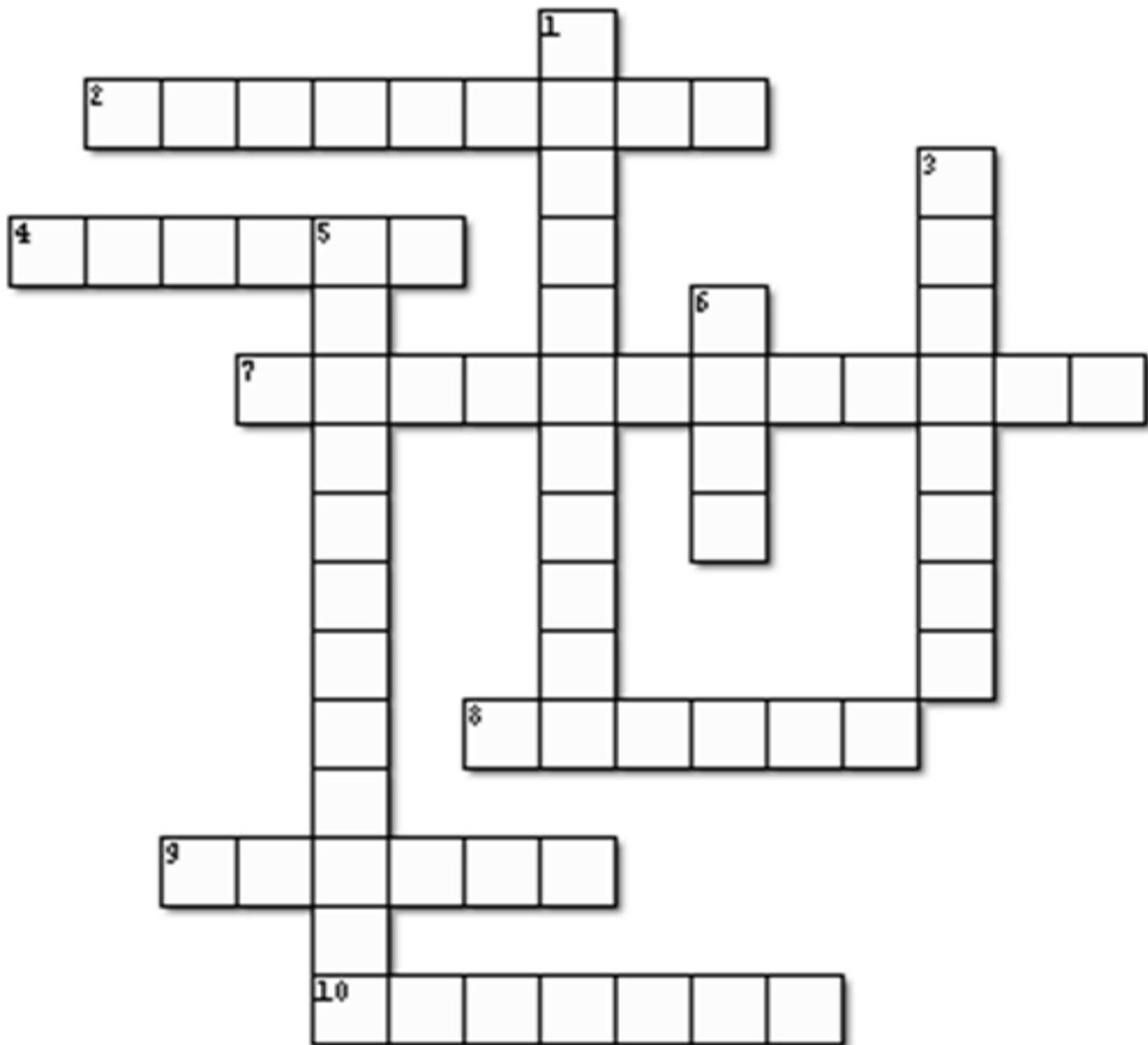
Project 9. (Roll No. 33 onwards)
　　Prepare a detailed chart of Land and Sea Breeze.

PART – B (ASSIGNMENT)
Answer the given questions briefly in a separate notebook.
1. Why do crotons appear dark red in color although they have chlorophyll?
2. What is the relation between Celsius, Fahrenheit and Kelvin scales?
3. Nitrogen is essential for plant growth. But the farmers who cultivate pulse crop like green gram, black gram etc. Do not add nitrogenous fertilizers during cultivation. Why?
4. What is the mode of nutrition in fungi?
5. What are heterotrophs?
6. In refrigerators, why are the freezers always located at the top?
7. What are lichens?
8. What do you understand by term Nutrients? Name any two.
9. How would you test the presence of starch in leaves?
10. Why is it said that whether directly or indirectly all living things depend on green plants for food?
11. What are the similarities and dissimilarities between clinical and laboratory thermometer.
12. Why do some plants trap insects Explain with example?
13. What is a host and parasite relationship?
14. What will happen if plant leaves are devoid of stomata?
15. Why does the mercury not fall or rise in a clinical thermometer when taken out of the mouth?
16. Why there are gaps between two sections of the rail tracks?
17. Name various instruments to measure temperature.
18. Unscramble the given words:-
    a) SRODERA
    b) NVLKEI
    c) GENCOYLG
    d) CRANEASP
    e) IONRITUTN
19. **Give answers in one word:-**
    a. Cells guarding the opening and closing of stomata. --------------------
    b. Pipe like structures transporting water from roots to leaves. ----------------
    c. Organisms which cannot manufacture their own food. ---------------
    d. Process of chewing cud. ----------------------
    e. Part of large intestine where undigested waste are stored. --------------
20. **Give reasons:-**
    a. Leaves are the food factories of plant.
    b. Leaves are reduced to spines in desert plants.
    c. Photosynthesis takes place in plants with red, brown or violet leaves.
    d. Leaves are reduced to scales in parasitic plants.
    e. Fungi are commonly seen during and after rains.
    f. Many glands are associated with alimentary canal.
    g. Canines are sharp and pointed.
    h. The inner lining of stomach secretes hydrochloric acid.
    i. Small intestine is longer than large intestine.

21. **Crossword puzzle:-**

Down

1. HOTNESS OR COLDNESS OF OBJECT
3. GAS NOT AVAILABLE TO PLANTS DIRECTLY
5. GREEN PIGMENT IN PLANTS
6. KITCHEN OF PLANT

Across

2. GREEN PLANTS THAT SYNTHESIZE THEIR OWN FOOD
4. FOOD STORED IN PLANTS
7. ENERGY CAPTURED BY PLANTS
8. ABSOLUTE SCALE OF TEMPERATURE
9. GAS GIVEN OUT IN PHOTOSYNTHESIS
10. SYMBIOTIC PLANT

SOCIAL SCIENCE

Students are required to do the given projects on the topic given according to the roll no. allocated in the following series.

S.No.	TOPIC	ROLL NO.	ACTIVITY/PROJECT	MATERIAL REQUIRED	SKILLS ENHANCED
1.	**History:** L-3 The Delhi Sultans	(1-12)	• Make a beautiful timeline of 'The Delhi Sultans'.	• A3 size sheet, related pictures and Sketch Pens	• Writing • Critical Thinking • Exploration
2.	**Geography:** L-2 Inside our Earth	(13-24)	• Colour and label the 3D model of the 'Interior of the Earth'.	Use eco-friendly material to prepare your model.	• Identification • Aesthetic Sense
3.	**Civics:** L-10 Struggle for Equality	25 onwards	• Make a colourful project on 'Struggle for Equality' taking incidents from the past.	• Presentation is to be done in a scrap file. • Collect information on Tawa Matsya Sangh/Tehri Dam. and pictures from various sources and make it informative • Explore information on how people fought for their rights.	• Establishing link between political and social environment.

ASSIGNMENT

Revise the syllabus done in the class. All the students are required to do the given assignment in a thin notebook.
 GEOGRAPHY

L-2 Inside our Earth

1**. Give one word answer-**
- a) Which type of rocks are also known as primary rocks?
- b) Which stone was used to build the Red Fort?
- c) What is the uppermost layer of the earth called?
- d) Name the main mineral constituent of the continental mass.
- e) Name the main mineral constituent of the oceanic crust.
- f) Where is the deepest mine in the world located?

2. **Give reason -**   Minerals are very important to mankind.
3. **Write the difference between-**
     Basalt and granite
4. Long answer questions-
     How many concentric layers of Earth are there? Write special features of each.

HISTORY:

L – 2(The New kings and Kingdoms)

a) What was the main cause of Ghazni's Invasion on India?
b) In which year was the first battle of Tarain fought?
c) How many times did Ghori raid India?
d) When was the second Battle of Tarain fought and what were its results?
e) What were the responsibilities of the *Samantas?*
f) What were the titles adopted by the Samantas and what was the reason that enabled them to declare themselves independent?
g) What were the titles adopted by the kings during this period?
h) Name the greatest king of Chahamanas dynasty.
i) Why was Kanauj important?

a. **This is a picture of the temple at Gangaikonda Cholapuram.**
   Answer the following questions related to this picture:

i. Which ruler took the title of Gangaikonda?
ii. What is the literal meaning of "Gangaikonda"?
iii. Where is Gangaikondacholapuram located?
iv. Who built Gangaikondacholapuram?

L– 3(The Delhi Sultans)

a) Describe the Doab.
b) Who were Ulema?
c) Who was Ibn Batuta?
d) What do you mean by Iqta System?
e) Who built the Begumpuri Mosque?
f) Who was the founder of slave dynasty?
g) What was the language of administration under the Delhi Sultans?
h) Under whose rule did Delhi become an important commercial center?
i) Who recognised that Raziyya was more able than all her brothers?
j) What is a Masjid?
k) What were the duties of muqtis?
l) Who were the bandagans and what was their role in the Delhi Sultanate?
m) Who were the *iqtadars* or the *muqti* and what was their role?

n) This is the picture of a mosque and minaret built during the last decade of the twelfth century. Answer the following questions related to this picture.

    i. What is a mosque called in Arabic?

    ii. Why did the Delhi Sultans build mosques in cities all over the subcontinent?

    iii. In whose reign was the Moth ki Masjid built in the reign of Sikander Lodhi by his minister.

    iv. Why was it necessary to reinforce the idea of a community among the Muslims?

CIVICS:
L-2 Struggles For Equality

a) So many people's lives in India are highly unequal. What is the reason for this?

b) What is Tawa Matsya Sangh?

c) When was the Tawa dam completed?

d) How did the Tawa Matsya Sangh put pressure on the government to redress their problem?

e) What was the impact of building of Tawa dam on the life of the locals?

f) Give a successful example of local people's struggle for equality.

SANSKRIT

निर्देश - सभी कार्य ए – 3 शीट पर करें ।

कोई एक कथा सुंदर अक्षरों में चित्र सहित लिखें ।   (रोल न.1-40)

1 मञ्जूषा की सहायता से पांच संस्कृत वाक्य लिखिए

वृक्षाः, बालकाः, बालिकाः, दोला, पुष्पाणि ,प्रसन्नाः, मेघाः

(रोल न.1-15)

2

जन्तुशाला,वृक्षाः,जनाः,गजाः, बालकाः, बालिकाः,वानराः,कुर्दन्ति

(रोल न.16-24)

3

पुस्तकालयः,पुस्तकानि, अनेकविषयाः,सङ्गणकयंत्रम्,वार्ता,कमलम्

(रोल न.25-35)

FRENCH

Monday- Conjugate 5 verbs (-er group). Write and learn 10 new words from the vocabulary section of L-1,2,3

Tuesday- Make 10 simple sentences with the help of a dictionary

Wednesday-Write 5 sentences of adjective possessives. Same sentences can be used (made on Tuesday).
              Conjugate 2 verbs (-ir group)

 Thursday-Conjugate new verbs from L-1,2,3. Write and learn next 10 new words from the vocabulary section of L-1,2,3

Friday- Make the tables of adjective possessives, definite articles and indefinite articles.

-Make a chart on any of the following topics:

1. National day of France (14 July)

2. Face parts

3. Body parts

- Learn " The Professions "given at page no. 34,35

Written work is to be done in a separate notebook.

COMPUTER SCIENCE

ROLL NO	TOPIC
1-10	Chart on "Popular Internet Services"
11-20	Model on "Cloud Computing"
21-30	Model on " Best out of E-Waste"- Non Working
31 Onwards	Collage on " 5 Famous IT Personalities"

Instructions:

* Collage should be made on Chart of Full Length.
* Mention your Name,Class & Section, Roll No and Topic on the back side of the Collage/Chart/Model.

After reading the chapter answer the following in one word or one sentence in a thin note book

(Chapters - Conditional Control Statements, Graphics in QB64, Internet Services)

   a) QBasic language uses _____ environment.

   b) _____ are the values which change during the execution of the program.

   c) An infinite loop is terminated using _____ key.

   d) The Basic language was designed in the year _____.

   e) _____ Command is used in QBasic to clear the screen.

   f) The condition in IF-THEN- ELSE is given by _____ operators.

   g) The string variable in QB64 is represented by an alphabet followed by _____ sign.

   h) _____ and _____ are two common modes of display in QB64.

   i) _____ Statement is used to set the screen resolution.

   j) _____ Screen mode can use only text.

   k) The amount of pixels per unit area on the screen is called _____.

   l) _____ Co-ordinates will remain same if we want to draw a horizontal line.

   m) Screen 9 supports_____ different colours.

   n) _____ , _____,_____ and_____ are the colour code for white, Red, Cyan and Brown.

   o) In high resolution computer screen is divided into _____ by _____ pixels.

   p) _____ and _____ are examples of Social Networking sites.

   q) _____ is describes as "SMS of the Internet".

   r) GNP stands for _____.

   s) _____ is the free storage space provided by Microsoft to SkyDrive users.

t) _____ is the place where we type web address of any website.

u) _____ is the service program provided by internet to send and receive messages instantly in a 2 way communication.

v) IDE stands for _____.

w) _____ is the extension for QBasic file.

x) _____ and _____ are the founder of Google.

y) _____ is an easy to create web site that allows users to share their thoughts with the world.

z) Same mail can be send to many persons by typing their e-mail addresses in "TO" box separated by a _____.

ART & CRAFT

Make a chain using unused curtain rings in a creative way. Form any aesthetic wall hanging for Independence Day.

GENERAL KNOWLEDGE:

Roll No. 1 to 12 – Make a collage on a A3 size sheet by pasting pictures of different tourist spots of any particular tourist city of India and write about them in 5 lines each..

Roll No. 13 to 24 – In a scrap file, paste pictures of flags of 10 countries with their currencies, languages, national symbols etc.

Roll No. 25 onwards – In a scrap file, paste pictures of 10 different places of worship (renowned, like Golden Temple) of different faith in India and write 10 lines on each.