SUMMER VACATION HOLIDAY HOMEWORK
CLASS- 11

ENGLISH

Q1. Get your daily dose of news in English via the SEND7 podcastpublished Monday to Friday. Note down the news content on file papers and attach it to your project file.
Q2. Read any novel of Khushwant Singh and write down its central idea in your own words.

HINDI

1- देश मे ऑनलाइन व्यापार तेजी से बढ़ रहा है।गली-मोहल्ले एवं फेरी वाले खुदरा दुकानदारों पर इसका व्यापक असर पड़ा है, इनकी समस्याओं पर एक आलेख लिखिए।

2-ग्रीष्म कालीन अवकाश में अपने द्वारा की गई किसी यात्रा का यात्रा-वृतांत अधिकतम 200 शब्दों में लिखिए।

3- किन्ही तीन समाचार पत्रों से संपादकीय लेख एकत्रित कीजिए।

INFORMATICS PRACTICES

Q.1 WAP in Python to add 3 numbers and print their sum by input method.

Q.2 Program to obtain the length and breadth of a rectangle and calculate its area by input method.

PSYCHOLOGY

The chapter" What is psychology" tells you about several professionals in the field of psychology. Contact a psychologist who fits into one of the categories and interview the person. Have a list of questions prepared beforehand. Possible questions could be: (i) What kind of education is necessary for your particular job? (ii) Which college/university would you recommend for the study of this discipline? (iii) Are there many jobs available today in your area of work?(iv) What would a typical day at work be like for you – or is there no such thing as"typical"? (v) What motivated you to enter this line of work? Write a report of your interview and include your specific reactions.

2. Go to the library or some bookstore or surf the internet and obtain names of some books(fiction/non-fiction or films), which have references to applications of psychology. Prepare a report giving a brief synopsis.

PHYSICS

1- Make a mind map of the chapter"unit and measurement" in Chart paper.
2- Write a 50 dimensional formula in class work copy and also learn.

CHEMISTRY

1. Write the limitations of Dalton atomic theory.
2. Balance the following chemical equation by Hit and trial method
A. Potassium permanent react with sulphuric acid to form potassium sulphate, manganese sulphate water and oxygen
B. Write the balance equation what happens when ferric oxide is heated with carbon monoxide

MATHS

Question 1: Look at the following Venn diagram and learn the cardinal representation for the different portions.

$n(A)$ = Number of elements in set A

$n(B)$ = Number of elements in set B

$n(C)$ = Number of elements in set C

$n_o(A)$ = Number of elements in set A only

$n_o(B)$ = Number of elements in set B only

$n_o(C)$ = Number of elements in set C only

$n(A \cap B)$ = Number of elements common in set A and B

$n(A \cap C)$ = Number of elements common in set A and C

$n(B \cap C)$ = Number of elements common in set B and C

$n_o(A \cap B)$ = Number of elements common in set A and B only

$n_o(A \cap C)$ = Number of elements common in set A and C only

$n_o(B \cap C)$ = Number of elements common in set B and C only

$n(A \cap B \cap C)$ = Number of elements common to A, B and C

$n(A \cup B \cup C)$ = Number of elements belongs to at least one set A, B or C.

$n(A \cap B \cap C)^c$ = Number of elements does not belong to the set A, B or C.

By using above concept of cardinal representation solve following questions:

If P, Q and R are subsets of a universal set U. If $n(U) = 390$, $n(P) = 210$, $n(Q) = 165$, $n(R) = 120$, $n(P \cap Q) = 60$, $n(Q \cap R) = 45$, $n(A \cap R) = 54$ and $n(P \cap Q \cap R) = 24$, illustrate this information in a Venn-diagram and find the following:

a. $n_o(P)$

b. $n_o(Q)$

c. $n_o(R)$

d. $n_o(P \cap Q)$

e. $n_o(Q \cap R)$

f. $n_o(P \cap R)$

g. $n(P \cup Q \cup R)^C$

Question 2: Make a project on "Indian mathematician Dattatreya Ramachandra Kaprekar and his contribution in Mathematics", by using chart paper.

BIOLOGY

1. Draw the structure of plant cell and animal cell and label it.
2. Describe the karyokinesis in somatic cell and germ cell. Draw associated diagram and label it.
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BUSINESS STUDIES

Prepare a collage on one of the following topics:
A) Indian MNCs and their CEOs with their Brand name, Brand Mark and Taglines
B) Non-Indian MNCs and their CEOs with their Brand name, Brand Mark and Taglines
C) Various quality marks and their issuing agencies in India
D) World-wide various scams that took place in India after independence with their volume
and reasons&ampStudents will complete notes in fair copy

ACCOUNTANCY

 Students will visit their nearest small-scale industry (e.g. Jaggery, Loom, clay glass factory,
Aata mill, etc.) or shop & they will acquire knowledge about capital invested, cost of goods,
profit margin, turnover etc.
On the basis of acquired knowledge, students will prepare a report.
&Students will complete notes in fair copy

ECONOMICS

1. What do you mean by the production possibilities of an economy?
2. Throw some light on the consequences of lockdown on the productivity of our nation.

HISTORY

Q1 Prepare a project on the city "Ur'' and ''Mari'' in Mesopotamia.

GEOGRAPHY

Project Work (any 1)
1. Prepare a map of India showing the distribution of different types of forests.
2. Write about the economic importance of forests for the country.
3. Prepare a historical account of the conservation of forests in India with a focus on Chipko Movements in
Rajasthan and Uttaranchal.

POLITICAL SCIENCE

1.Why is it necessary for a country to have a clear demarcation of powers and responsibilities in the
constitution? What would happen in the absence of such a demarcation?
2. Explain the different sources of The Indian constitution