KV BSF JALALABAD

HOLIDAYS HOMEWORK

Class XII Science

**Subject - English**

1. Read English newspaper daily. Find any five news of educational purpose and write in your notebook.
2. Read chapters 1-5 from beehive and moments and write their summary.

Find the meanings of difficult words with the help of dictionary and maintain a pocket dictionary for future use in class

1. Prepare a question bank of long answer and short answer type questions from the chapters the last lesson, the third level, my mother at sixty six.
2. Do any five deeds of social service and take clicks of them. Paste them in a file and write their description in 10-12 lines.Write your experiences about the social issues.
3. Watch English news daily and prepare your own editorial column.

**Maths**

1. Practice of solved examples of NCERT book and Do all unsolved questions of all excercises of chapters 1,3 and 4 on fair notebook.

2. Solve the Case Studies of Chapters 1,3,4 provided to the students in PDF on whatsapp

**Physics (**All work should be done in Class work notebook.)

1. Solve example and exercise questions of Chapter 1 and 2.
2. Read Chapter- Current Electricity and write 15 new words and 5 new definitions
3. Write a brief report on Scientist( 1 page on each scientist)Ampere ,Ohm and Volta.
4. Write a brief report on magnetic field and how they are generated ( atleast 3 sources)
5. Write one page report on capacitors

**Chemistry**

**Q-1 NCERT EXERCISE Q NO.19,21,32 & 33.**

Q-2 A storage battery contains a solution of H2SO4 38% by weight. At this concentration van’t Hoff factor is 2.50. At what temperature will the battery contents freeze? (kf for water =1.86k kg/ mol)

Q-3 To 500 cm3 of water 3.0 X 10-3 kg of acetic acid is added. If 23% of acetic acid is dissociated, what will be the depression in freezing point? Kf and density of water are 1.86 K kg mol-1 & 0.997 g cm-3 respectively.(0.229K)

Q-4 A solution of sucrose (Molar mass 342 g mol-1) is prepared by dissolving 68.4 g in 1000 g of water. What is the (i) Vapour pressure of the solution at 293k . (ii) Osmotic pressure at 293k. (iii) Boiling point of the solution. (iv) Freezing point of the solution.

Q-5 A storage battery contains a solution of H2SO4 38% by weight. At this concentration van’t Hoff factor is 2.50. At what temperature will the battery contents freeze? (kf for water =1.86k kg/ mol)

Q-6 The elements A and B form purely covalent compounds having molecular formulae AB2 and AB4. When dissolved in 20g of benzene, 1g of AB2 lowers the freezing point by 2.3K, whereas 1g of AB4 lowers it by 1.3K. the molal depression constant for benzene is 5.1 K kg/mol, calculate the atomic mass of A and atomic mass of B. (A=25.59, B=42.64)

Q-7 To 500 cm3 of water 3.0 X 10-3 kg of acetic acid is added. If 23% of acetic acid is dissociated, what will be the depression in freezing point? Kf and density of water are 1.86 K kg mol-1 & 0.997 g cm-3 respectively.(0.229K)

Q-8 How does osmotic pressure depend on temperature and atmospheric pressure, what is the molar concentration of solute particles in the human blood, if the osmotic pressure is 7.2 atm at the body temperature of 37◦C?

Q-9 Vapour pressure of pure benzene at a certain temperature is 640 mm Hg. A non-volatile non-electrolyte solid weighing 2.175g is added to 39.0 of benzene. The vapour pressure of solution is 600 mm Hg. What is the molecular mass of solid substance? (65.9g mol-1 )

10 **Explore the ideas to participate in inspire award, NCSC and Science Exhibition**

**Biology**

Week -1

Topic- Sexual reproduction in flowering plants

Sub topic- Flower, pre-fertilistion-structure event

Reading-Read the topic in detail

Writing :Frame 5 MCQ,1 case study base question and two assertion-reason type questions

Learning- learning NCERT questions of givn topic

Drawing-practice the diagram of given topic given in NCERT book

Project: Prepare project on: Pollination or Artificial hybridisation

Week-2

Topic - Sexual reproduction in flowering plants.

Sub-topic- Double fertilisation,post-fertisation events

Reading: Read topic in details

Writing- frame five MCQ and 1 case study base question

Drawing- Draw/ practice diagram given in NCERT book of given topic

Learning- Learn ncert book questions of given topic

Practical- Study pollen germination on a slide.

Week -3

Topic- Human reproduction

Reading:Read and practice the diagram of male reproductive system and spermatogenesis

Writing- Frame 5 MCQ,1 case study base question and two assertion-reason type

Learning-Learn NCERT book questions

Assignment:Prepare the list of hormone secreted by human body, site of synthesis and function in human reproduction.

Drawing: practice the diagram of a) male and spermatogenesis

b) sectional view of seminiferous tubule

. . c) sperm

d)L.S of testis

Week-4

Topic -Human Reproduction

Sub topic- Female reproductive system and oogenesis

Reading- Read the topic in detail and practice digrams

Writing- Frame 5 MCQ,1 case study base question and two assertion-reason type questions

Week-5

Topic- Human reproduction

Sub topic- Menstrural cycle, Fertilisation and implantation,Pregnancy and Embryo Development

and pasturition and lactation.

Reading- Read the topic in detail to understand the topic

Writing-Writing- Frame 5 MCQ,1 case study base question and two assertion-reason type questions

Diagram,-Practice and draw the digrams of given topic.

Leading - learn the questions given in NCERT Book.

**CS**

**Holidays Homework:** Solve the Unsolved programs given in exercise of First Two Chapters of NCERT and Sumita Arora book (Chapters- Revision Tour, Functions, Exception Handling, Text File Handling)

**Regular Homework:** *if not completed yet* \_ Prepare Notes from first two Chapters

**IP**

**Holidays Homework:** Solve the Unsolved programs given in exercise of First Chapter (Data handling using pandas-I on series and dataframe) of NCERT and Sumita Arora book

**Regular Homework:** *if not completed yet* \_ Prepare Notes from first Chapter ( Data handling using pandas-I along with Revision of python covered in XI)

**Hindi**

1.हरिवंश राय बच्चन का एक गीत ''दिन जल्दी जल्दी ढलता है' का परिचय लिखिए। गीत का लेखन कीजिए। अपने शब्दों में भावार्थ लिखिए।

2, भक्तिन पाठ का सविस्तार परिचय लिखिए। समस्त अभ्यास प्रश्न-उत्तर लिखिए।

3. 'सिल्वर वेडिंग" कहानी की मूल संवेदना स्पष्ट कीजिए ।

4.सिल्वर वेडिंग कहानी के सभी अभ्यास-प्रश्न उत्तर सहित लिखिए ।

5,आप प्रभाकर शर्मा, अशोक नगर, अलीगढ़ में रहते हैं। लाउड स्पीकरों की कान फोङती आवाज के बारे में जनसत्ता समाचार पत्र के मुख्य संपादक को पत्र लिखिए।

6, नगर में बढ़ती भीड़-भाड़ के कारण परिवहन की समस्या के हल के लिए सड़कों को और अधिक चौड़ा करने का सुझाव देते हुए अपने राज्य के गृह मंत्री को पत्र लिखिए ।

7,निम्नलिखित विषयों पर 200 से 250 शब्दों में रचनात्मक लेख लिखिए -

दुर्घटना से देर भली

योग भगाए रोग

टीकाकरण- कोरोना पर विजय

8 फीचर की परिभाषा लिखकर फीचर की विशेषताएं बताइए ।

9 समाचार किसे कहते हैं? समाचार के 6 ककारों का उल्लेख कीजिए। समाचार लेखन की उल्टा पिरामिड शैली को स्पष्ट कीजिए ।

10 अपने विद्यालय में आयोजित किए गए "वार्षिकोत्सव समारोह' की विस्तृत रिपोर्ट तैयार कीजिए।

**परियोजना कार्य**-

नीचे दिए जा रहे विषयों में से अपनी परियोजना के लिए किसी एक विषय का चयन कीजिए । उसका सम्यक अध्ययन कीजिए । अपने परियोजना कार्य की रूपरेखा तैयार कीजिए। आपकी परीक्षा में परियोजना कार्य 10 अंकों का निर्धारित कार्यक्रम है । यह परियोजना कार्य आपको फाइल में प्रस्तुत करना होगा। नीचे दिए गए विषयों/ बिंदुओं में से चयन कीजिए-

महानगरीय जीवन वरदान या अभिशाप

सोशल मीडिया और आज का युवा

स्वच्छ भारत अभियान

व्यवसाय बनती शिक्षा की समस्या

सिंधु घाटी सभ्यता हमारा गौरव

भीमराव अंबेडकर की कल्पना का समाज

स्त्रियों की शिक्षा और उनके अधिकार

भारत पाक विभाजन पर आधारित फिल्में कहानियां उपन्यास आदि का संकलन

मेरे सपनों का भारत

जनसंचार का महत्व

हिंदी और सोशल मीडिया

**WE**

Make a power supply /battery eliminator using electronic components.