SPRING DALE SR. SEC. PUBLIC SCHOOL

CLASS – IX HOLIDAYS ASSIGNMENT

"LET'S CHASE THE SUN AND SHINE BRIGHT LIKE FLOWERS"

ENGLISH

Writing Section: Write down first two 'Diary Entries' in BBC (Pg. 144,145)

Grammar: Solve the following worksheets:

(a) Gap Filling: Assignment 25 (Pg.242, 243) (b) Editing Errors: Assignment 26 (Pg.248, 249)

(c) Omission: Assignment 27 (Pg.254, 255) (d) Sentence: Assignment 28 (Pg.260, 261)

Literature: Attempt the extracts in BBC: (a) The Road Not Taken (pg. 336,337) (b) Wind (Pg. 339, 340)

(c) Answer the following questions in separate note book: (100-120 words each)

(i) No hurdle can become a barrier in the success of a determined and positive thinker. Comment with reference to Evelyn Glennie. (ii) Describe Iswaran as a master storyteller.

(iii) Father who seems hard from outside is not so from within. Comment on this statement with reference to Kezia's Father.

(iv) What would a child do if a child got separated from his/her parents? What could have been the end of the lesson 'The Lost Child' in your view? (v) Revise the whole syllabus done till date.

MATHEMATICS

1. Solve and explain MCQ exercise 1.1, 2.1, 3.1 of NCERT example.
2. Lab Manual activities

(i) Square Roots of Natural Numbers. (ii) Algebric Identity $a^3-b^3 = (a-b)(a^2+ab+b^2)$

(iii) Quadrants and Co-ordinates. (iv) Mid-point Theorem

(v) Angle subtended by an arc at the centre of a circle is twice the angle subtended by the same arc at any other point on the remaining part of the circle.

(vi) Opposite angles of a cyclic quadrilateral are supplymentary. (vii) Right circular cylinder

(viii) To find Formula for the volume of a Cuboid (ix) Histogram (x) Probability

Project:

3. Find the mean, median and mode of the heights or ages of students of your class OR your family members and interpret the result.
4. Prepare one chart on given topics:

(a) Formulae chart of surface area and volume. **OR**

(b) Two parallelograms lying on the same base between same parallel are equal in area. **OR**

(c) Polynomial Identities

SOCIAL SCIENCE

A. Prepare a Project on "Disaster Management".

Requirement of the Project:

(i) It must contain supportive facts and figures. (ii) It must be between 15-20 pages.

(iii) It must be handwritten beautifully on a A4 Sheets. (iv) It must be well presentable.

B. Map Work: History and Geography:- Fill maps according to the syllabus and paste them on a scrap book. (Refer Syllabus book for map items)

C. Chart Work: Collect information and pictures on any one event on "French Revolution" and prepare a chart.

D. Learn the syllabus covered in the class.

PHYSICS

1. Solve Assignment: (i) Plan to go a place by vehicle. Take reading of odometer and speedometer after every 5 minutes till you reach your destination. Record these observations in tabular form. Plot graphs between distance time and speed time. State whether this motion is uniform or non-uniform.

(ii) Answer the following questions:

1. What is the acceleration of a body moving with uniform velocity?

2. On a 60 Km straight road, a bus travels the first 30 km with a uniform speed of 30kmh^{-1}. How fast must the bus travel the next 30km so as to have average speed of 40 Kmh^{-1} for the entire trip?

3. What does the slope of distance time graph gives?

4. A ball thrown vertically upwards with a speed of 19.6 ms^{-1} from the top of a tower returns the earth in 6 seconds. Find the height of the tower.

5. A body moving in straight line at 72 km/h undergoes an acceleration of 4ms^{-2}. Find its speed after 4 seconds.

6. Does uniform motion means the same as uniform velocity?

7. Bus is moving in a crowded area. What type of motion does it possess?

8. We say the displacement can be positive, negative or zero. Explain this with an example.

9. A cyclist goes around a circular track once after every 2 minutes. If the radius of the circular track is 105 meters. Calculate speed.

10. Give two daily life examples of uniform circular motion. What type of force is responsible for the motion and in which direction it acts.

CHEMISTRY

1. Give reasons for the following:
   (a)Ice floats on water.
   (b) Dry ice is stored under high pressure.
   (c)Ice appears to be cooler than ice cold water at 273K.
   (d) Naphthalene balls disappear after some time.
   (e)Doctors advices to put strips of wet cloth on the forehead of a person having high fever.
   (f) Desert cooler works better on a hot dry day.
   (g) Water droplets appear on the outer edges of the glass tumbler filled with ice cold water.
   (h) Clothes dry quickly on a windy day rather than a rainy day.
   (i) Temperature remains constant during the change in state of matter.
   (j) Gases cannot be half filled.
   (k) Smell of hot food reaches a greater distance.
2. Prepare a model of demonstrate movement of particles in solids, liquids and gases.
3. Write down the following practical in your Lab Manual.
   Determination of the melting point of ice and the boiling point of water
4. Learn the names and symbols of first 20 elements of modern periodic table.

BIOLOGY

1. Prepare a Model/Project on diseases/ Environment/ Scientists and their inventions (any one) & prepare a Project Report also.
2. Frame 50 Quiz questions from the syllabus done in Biology i.e. The Fundamental Unit of Life and Plant Tissue. 3. Prepare a scrap book of Science Press clippings. 4. Learn the syllabus done.

PUNJABI

1. ਕਰਵਾਏ ਗਏ ਪਾਠਕ੍ਰਮ ਦੀ ਚੰਗੀ ਤਰ੍ਹਾਂ ਦੁਹਰਾਈ ਕਰੋ।
2. ਪੰਜ ਕਾਵਿ-ਟੁਕੜੀਆਂ ਕਿਸੇ ਵੀ ਪੁਸਤਕ ਵਿੱਚੋਂ ਹੱਲ ਕਰਕੇ ਕਾਪੀ ਤੇ ਲਿਖੋ।
3. ਹੇਠ ਲਿਖੇ ਵਿਸ਼ਿਆਂ ਬਾਰੇ ਚਿੱਤਰ ਸਹਿਤ ਜਾਣਕਾਰੀ ਦਿਓ:
   1) ਸਵੱਛ ਭਾਰਤ ਅਭਿਆਨ 2) ਚੌਣਾਂ ਦਾ ਦ੍ਰਿਸ਼ 3) ਨਸ਼ੇ ਛੱਡੋ ਕੋਹੜ੍ਹ ਵੱਢੋ 4) ਹਵਾ ਪ੍ਰਦੂਸ਼ਣ
4. ਰੋਲ ਨੰ. 1 ਤੋਂ 20 'ਵਿਸਮਿਕ' ਵਿਸ਼ੇ ਤੇ ਸੁੰਦਰ ਚਾਰਟ ਬਣਾਓ।
   ਰੋਲ ਨੰ. 21 ਤੋਂ ਅੱਗੇ 'ਕਿਰਿਆ' ਵਿਸ਼ੇ ਤੇ ਸੁੰਦਰ ਚਾਰਟ ਬਣਾਓ।

HINDI

1. गर्मी की छुट्टियों में किसी ऐसे स्थान पर जाइए जो आपके तथा आपके साथियों के लिए प्रेरणादायक हो। उस स्थान पर स्वयं को केंद्रित कीजिए और एक चित्र (फोटो) खींचिए, तथा यात्रा प्रसंग लिखिए।
2. विद्यालय की मैगजीन के लिए स्वरचित – कविता, कहानी, घटना, यात्रा प्रसंग आदि अपनी फोटो चिपकाकर विषय अध्यापिका को दे।
3. अप्रैल से मई तक किए गए पाठ्यक्रम की पुनरावृत्ति कीजिए।

NOTE: HOLIDAYS ASSIGNMENT WILL BE ASSESSED AS A PART OF SUBJECT ENRICHMENT ACTIVITY