


CLASS - IX
WINTER HOLIDAY HOMEWORK
GENERAL INSTRUCTIONS:

- Handwriting should be neat and legible.
- The holiday homework will be assessed as a part of subject enrichment activity (S.E.A.) of Term - II.
- The work should be original and not copied from the internet.
- The entire work should be submitted to the subject teachers as per the submission dates mentioned below.


ENGLISH (Submission date: 10th Jan'18)

- Make a cover page for the novel 'Three Men In A Boat' . (10)
- Write a book review for the same in a file. (10)

HINDI (Submission date: 11th Jan'18)

प्रश्न 1 'स्वामीआनंद' द्वारा रचित पाठ 'शुक तारे के समान' के आधार पर गांधी जी व महादेव भाई के संबंध में दो मित्रों के बीच संवाद लिखिए। (10)

प्रश्न 2 मुलतानी कंपनी द्वारा निर्मित कफ सिरप का प्रभावी विज्ञापन तैयार कीजिए। (10)
(विषयवस्तु, प्रस्तुतिकरण एवं भाषा के आधार पर मूल्यांकन किया जाएगा)
(दिया गया कार्य A-4 साइज़ शीट पर करें।)

FRENCH (Submission date: 10thJan'18)

Q1: Rédigez un message à votreami (e) luidisantquevousn'irez pas à l'école demain. (on A4 size sheet) (10)

Q2: Vousvoulezallervoir un film avec un(e) ami(e). Discutez-en avec lui/elle.

Composezun dialogue d'environ 60 mots.(on A4 size sheet) (10)


SANSKRIT (Submission date: 10thJan'18)

- 1- किन्ही पाँच प्रहेलिकाओं का संकलन A-4 sheet पर करें। (10)
 2- उपपद विभक्तियों पर एक प्रोजेक्ट A-4 sheet पर बनाएँ। (10)

MATHEMATICS (Submission date: 12thJan'18)

The following questions need to be done in the notebook in which summer HHW has already been done.

- Q1. OABC is a rectangle inscribed in a quadrant of a circle of radius 10 cm. If $OA = 2\sqrt{5}$, find the area of the rectangle. (4)
- Q2. ABCD is a parallelogram and X and Y are midpoints of BC and CD respectively. Prove that $\text{ar}(\Delta AXY) = \frac{3}{8}\text{ar}(\text{II}^{\text{gm}} \text{ABCD})$. (4)
- Q3. The diameter of a sphere is decreased by 25%. By what percent does its curved surface area decrease? (4)
- Q4. ABC is a triangle with $\angle B = 2\angle C$. D is a point on BC such that AD bisect $\angle BAC$ and $AD = CD$. Prove that $\angle BAC = 72^\circ$. (4)
- Q5. If the polynomials $az^3 + 4z^2 + 3z - 4$ and $z^3 - 4z + a$ leaves the remainder when divided by $z-3$, find the value of a. (4)

SCIENCE (Submission date: 11thJan'18)

The following assignment is to be done in A-4 sheets.

1. A light object and a heavy object have the same momentum. Find out the ratio of their kinetic energies. (1)



2. Rewrite the scientific names correctly as per the conventions.
(1) (a) panthera Tigris (b) periplaneta americana
3. Differentiate between (3)
(a) Cryptogam and Phanerogam (b) Diploblastic and Triploblastic
4. Draw a neat and labelled diagram to illustrate "Nitrogen Cycle". Mention the main steps involved in this process. (3)
5. Explain "Carbon Cycle" in nature with the help of neat and labelled diagram. (3)
6. Rajeev studied three organisms "A", "B" and "C" under a microscope. He found all of them are bilaterally symmetrical and triploblastic. "A" has long and cylindrical body, "B" has dorsiventrally flattened body whereas body of "C" was soft with ring like segments. Identify their Phylums and write one characteristic feature of each. (3)
7. A girl having mass of 35 kg sits on a trolley of mass 5 kg. The trolley is given an initial velocity of 4 ms^{-1} by applying a force. The trolley comes to rest after travelling a distance of 16m. How much work is done on the trolley? (3)
8. How is power related to the speed at which a body can be lifted? The Jog Falls in Karnataka state are nearly 20 m high. 2000 tonnes of water falls from it in a minute. Calculate the equivalent power if all this energy can be utilized. (3)

SOCIAL SCIENCE (Submission date: 12th Jan'18)

The following questions need to be done in History notebook.

HISTORY:-

Q-1 'Hitler, in his foreign policy had the unspoken support of England' (3)

- (a) What was the unspoken support given by England?
- (b) Why did England give unspoken support to Germany?
- (c) What values can you learn from the above statement?



Q-2 What lessons can we draw from the conversion of the countryside in the USA from a bread basket to a dust bowl? (3)

Q-3 The history of opium production in India was linked up with the story of British trade with China. Elaborate. (5)

OR

Why did the British smuggle opium into China? Explain briefly.

ECONOMICS:-

- 1) According to Mahatma Gandhi, when India would be truly independent? (2)
- 2) How is indebtedness both the cause and effect of poverty? Explain. (3)
- 3) Are the dynamics of poverty reduction same in rural and urban India? Explain by giving any four examples. (4)

