



SHRI SHANKARACHARYA VIDYALAYA, HUDCO, BHILAI
SUMMER VACATION ASSIGNMENT 2019-2020

CLASS IX

ENGLISH

- Q1: Make five adverbs by adding 'ly' to adjectives.
Q2: A new revised volume of Isaac Asimov's short stories had just been released. Order one set. Write a letter to the publisher Mindframe Private Limited, 1632, Asaf Ali Road, New Delhi, requesting that a set be sent to you by the value payable post (VPP) in your given address.
Q3: Write a debate on the topic "The School of Future will have no books and no teachers" word limit (100-120)
Q4: Write a paragraph on **Your Hobby**.
Q5: Write a diary entry on behalf of Margie about her feelings on **Real Book**.
Q6: Write a report on any one of the matches of T-20. You are a reporter of TOI.
Q7: Make a chart based on the survey you would undergo around your surroundings. Take the opinion of your neighbours about the growing dependence on digital devices.
Q8: Write the names of the recipients of BHARAT RATNA.

विषय – हिन्दी

- 1 किसी भक्त कवि का एक पद लिखिए। कवि की भक्ति भावना पर प्रकाश डालिए।
- 2 आपके घर में अचानक कोई अतिथि आए थे। भाग्यवश घर में उस समय कोई बड़ा सदस्य उपस्थित नहीं था। ऐसे में आपने अतिथि का आदर सत्कार कैसे किया? एक अनुच्छेद में अपने अनुभव का वर्णन कीजिए।
- 3 किंहीं ऐसे पाँच पक्षियों के चित्र चिपकाइए जो लुप्त हो चुके हैं या लुप्त होने की आशंका है। इस समस्या से जूझने के कुछ सुझाव दीजिए।
- 4 किसी समाचार पत्र से चुनकर व काटकर ऐसे समाचार चिपकाइए जिनसे आपने कुछ ज्ञान प्राप्त किया/प्रभावित हुए। उनमें से चुनकर ऐसे पाँच शब्द लिखिए, जो आपके लिए नए थे।
- 5 हिंदी की वर्णमाला लिखिए। हिंदी की 31 से 60 तक संख्याएँ शब्दों में लिखिए। उदाहरण—31 इकतीस, 32 बत्तीस आदि।

विषय – संस्कृतम्

- 1 – शब्द रूपाणि लिखत ।
राम , पुस्तक , माला , कवि , साधु , नदी , ।
- 2 – सर्वनाम पदानि (शब्द रूपाणि लिखत) ।
तत् , , किम् , (त्रिषु लिङ्गेषु) , अस्मद् , युष्मद् ।
- 3 – धातु रूपाणि लिखत (पञ्चसु लकारेषु) ।
परस्मैपद – पठ् , भू , अस् , कृ , दृश ।
आत्मनेपद – सेव , लभ् , शुभ् ।
- 4 – (अ) पञ्च पत्राणि लिखत ।
(ब) पञ्च चित्रवर्णनम् लिखत ।
- 5 – निम्न अनुच्छेदम् लिखत ।
पर्यावरणम् , स्वच्छ भारत , उद्यानम् , वर्षाकालः , मम विद्यालयः ।
- 6 – शतम् पर्यन्तं संख्यावाचक पदानि लिखत ।
शब्द रूपाणि लिखत – एक , द्वि , त्रि , चतुर , पञ्च ।

PHYSICS

1. Write a note on different types of motion.
2. Write a note on different types of forces in nature.

CHEMISTRY

- Q.1 Write all experiments in your Lab manual.
- Q.2 Write 10 reasoning question of chapter -1 (Matter in our surrounding).
- Q.3 Write the Atomic number, Name, symbol & Valences of Hydrogen to Zinc elements.

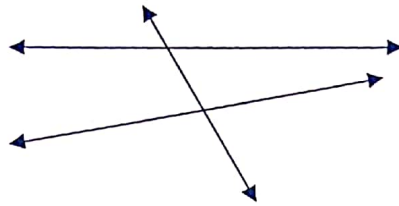
BIOLOGY

- Q.1. Draw a neat and well labelled diagram and explain it.
 - a) Typical cell b) Plant cell c) Animal cell
- Q.2. Draw a neat and labelled diagram of the following cell organelles and collect some information.
 - a) Mitochondria b) Plastids c) Golgi apparatus d) nucleus
- Q.3. Draw the diagram of the different types of tissues.
 - a) Permanent tissue
 - i) Simple permanent tissue
 - a) Parenchyma tissue b) collenchyma tissue
 - c) sclerenchyma tissue
 - ii) Complex permanent tissue
 - a) Xylem
 - b) Phloem
- Q.4. Read *Chapter 5 - The fundamental unit of life* and write the answers of questions given in the NCERT text book.
- Q.5. Complete your lab manual.

MATHEMATICS

- Write the history of two Indian Mathematician, and mention their contribution in the field of mathematics.
- Write tables up to 20
- Frame one cross word puzzle of mathematics.
- Write two Mathematics tricks which will help to increase speed of calculation.
- Learn Algebraic Identities
 - i) $(a + b)^2 = a^2 + 2ab + b^2$
 - ii) $(a - b)^2 = a^2 - 2ab + b^2$
 - iii) $a^3 + b^3 = (a+b)(a^2 - ab + b^2)$
 - iv) $a^3 - b^3 = (a-b)(a^2 + ab + b^2)$
 - v) $((a + b + c)^2 = a^2 + b^2 + c^2 + 2ab + 2bc + 2ca$
 - vi) $a^3 + b^3 + c^3 - 3abc = (a+b+c)(a^2 + b^2 + c^2 - ab - bc - ca)$Verify these identities for
 - i) $a = 3x, b = 5y, \text{If needed, } c = 3z$

- Learn and write formulae of Mensuration.
- Find the Area and Volume of 5, 3-D objects used in daily life.
- If $a = \frac{2+\sqrt{3}}{2-2\sqrt{3}}$, and $b = \frac{5+\sqrt{3}}{7-2\sqrt{3}}$ then find the value of
 - a^2+b^2
 - a^2-b^2
- If $x + \frac{1}{x} = 11$, then find the value of:
 - $x^2 + \frac{1}{x^2}$
 - $x^3 + \frac{1}{x^3}$
- Define: acute, obtuse, right angle, reflex angle, complementary and supplementary angles.
- Write different types of quadrilateral and explain their properties with diagram.
- Name the different pair of angles formed in the given diagram,



* NOTE: Solve all vacation Home Work on sheet of paper and then spiral bind all pages to form "Mathematics Magazine"

* Start magazine with content. Latest news of mathematics, information related to mathematics can be included.

SOCIAL SCIENCE

- 1) Prepare a project on any one of the following topics
 - a) Tsunami
 - b) Earthquake
 - c) Flood
 - d) Drought
- 2) Prepare a scrap book highlighting the important events in the life of Hitler
- 3) Collect information about Silk route. Also find out new developments which are improving communication routes in the regions of high altitudes.