

HOLIDAY HOMEWORK-2021-22

CLASS - IX

ENGLISH

WRITING

- I. Choose **one** of the following topics and write about it in detail in 500-600 words.
 - Select a ritual with which you are familiar and argue for or against the value(s) it represents. Examples of such rituals include fire-walking, marrying animals, facing the raging bull unarmed, or any other of your choice.
 - Write a scary story.

(Note: paste the appropriate pictures for writing)

READING

- II. You have to read at least two story books of your choice.
(We will discuss in detail the plot, characters, theme, about the writer etc)

MATHEMATICS

Activity-1: Verify the Algebraic Identity:

$$(a+b)^2 = a^2 + 2ab + b^2$$

Activity-2: Plot the given points A(0,0), B(6,4) and C(6,0) on a graph paper.

- (i) Join these points.
- (ii) Shade the triangle ABC formed by these points.
- (iii) Find the area of $\triangle ABC$.

SCIENCE

PHYSICS

Q.1. A ball thrown vertically upwards returns to the thrower in 20 seconds. Calculate the velocity with which it was thrown and the maximum height attained by the ball. (Take $g=10 \text{ m/s}^2$).

Ans. [100m/s, 500m]

Q.2. Ashu jogs from one end A to the other end B of a straight 250 m road in 1 minute and 40 seconds. She then turns around and jogs 50 m back to point C in 30 seconds. Calculate average speed and average velocity in jogging from (i) A to B (ii) A to C .

(i) A to B ; [Ans; 2.5m/s, 2.5 m/s along AB]

(ii) A to C ;[Ans; 2.3m/s, 1.54 m/s]

Q.3. Obtain a relation for the distance travelled by an object moving with a uniform acceleration in the interval between 4th and 5th seconds. [Ans; $4 + \frac{9}{2}a$]

Q.4. Two stones are thrown vertically upwards simultaneously with their initial velocities u_1 and u_2 respectively. Prove that the heights reached by them would be in the ratio of $u_1^2 : u_2^2$. (Assume upward acceleration as $-g$ and downwards acceleration as $+g$).

Q.5. an object starting from rest travels 20 m in first 2 seconds and 160 m in next 4 seconds. What will be the velocity after 7 seconds from the start. [Ans; 70 m/s]

CHEMISTRY

Q.1. Write the following experiments in your practical notebook and watch the videos on o- labs

A .Preparation of

a) A mixture

b) A compound

using iron filings and sulphur powder and distinguishing between these on the basis of:

(i) appearance, i.e., homogeneity and heterogeneity

(ii) behaviour towards a magnet

(iii) behaviour towards carbon disulphide as a solvent

(iv) effect of heat

B . Separation of the components of a mixture of sand, common salt and ammonium chloride (or camphor).

Q.2. List out 10 physical changes and 10 chemical changes from your daily life.

BIOLOGY

1. Note the following practical in your Biology practical file and perform on O-labs as shown by your teacher.

Object : Preparation of stained temporary mounts of a) Onion peel, b) human cheek cells and to record observation and draw their labeled diagram.

2. Make an assignment/poster/ppt on the COVID-19 – it's causes, symptoms and precautions.

SOCIAL SCIENCE

Note: Students are advised to do one of the following

- 1) Make a poster on what should we do during the times of earthquake
- 2) Recently cyclone '**TAUTAE**' hit the western coast of India, Explain it in your own words
- 3) What is disaster?
- 4) Why is Disaster Management important?
- 5) How we can become friend of our environment?
- 6) Define in your own words about NDMA (National Disaster Management Authority) of India.
- 7) What are the Initiatives taken and Facilities provided by the Central Government of India during Corona Virus (Covid-19) Pandemic?

HINDI

प्रश्न 1. Covid -19 यानि कोरोना पर स्लोगन/नारेकाम से काम दस लिखिए –

प्रश्न 2. परीक्षा के एक दिन पूर्व दो मित्रों की बातचीत का संवाद लेखन कीजिए।

प्रश्न 3. आपने अपना नया कंप्यूटर प्रशिक्षण केंद्र खोला है। यहाँ प्रवेश लेने के लिए शिक्षार्थी आकर्षित हों, इसके लिए एक विज्ञापन तैयार कीजिए।

प्रश्न 4. क्या पशु-पक्षियों को पालतू बनाना, मानवता की भावना के विरुद्ध है? अपने विचार प्रस्तुत कीजिए।

URDU

۱۔ سرسید احمد خان کی تصویر / slogan یا thoughts ایک sheet پر لکھ کر pdf بنا کر بھیجئے۔

۲۔ علامہ اقبالؒ کی تصویر / اشعار / slogan یا thoughts ایک sheet پر لکھ کر pdf بنا کر بھیجئے۔

۳۔ اپنے پسندیدہ شاعر کے پانچ اشعار ایک صفحہ پر مع شاعر کے نام کے لکھیے۔

۴۔ جو اسباق آپ پڑھ چکے ہیں انکے الفاظ و معانی اور سوال و جواب یاد کیجئے۔

*نوٹ: سوال نمبر "۱" یا "۲" اور "۳" کے جواب کو pdf بنا کر بھیجئے گا۔

ARABIC

Essay Writing on any two of the following topics. (Words' limit 50-60)

۱. بیتى
۲. المحطة
۳. المكتبة

HEALTH AND PHYSICAL EDUCATION (HPE)

IX-A

Roll no.	HPE Project (write about 10 to 15 pages)
1.	Environment Conscious Citizens As Part Of Eco Clubs
2.	First Aid Awareness raising Demonstration
3.	Preparation Of Family Budget And Maintenance Of Daily Household Accounts
4.	Running School Café With Focus On Nutrition
5.	School Gardening Project
6.	Adopting An Orphanage For conducting joyful activities
7.	School Water Use Audits
8.	Khelo India Program
9.	Meaning And Importance Of Yoga
10.	Home Water Use Audits
11.	Meaning And Importance Of Physical Fitness, Wellness And Lifestyle
12.	Setting Up rainwater harvesting structures
13.	Leadership Qualities And Role Of a Leader
14.	Project on indigenous Methods Of Water conservation
15.	Safety measures To Prevent Sports Injuries
16.	Metering Use of Water Saving devices/Taps And ensuring no Leakages in Plumbing Pipes etc.
17.	Balanced Diet And Nutrition Macro And Micro Nutrients
18.	Causes Of Disability
19.	Project on awareness and Planting drought prone / native plants / trees
20.	Reduce , Recycle, Reuse (most important 3R s) And Now Respect

21.	Motor Development In Children
22.	Yoga For Preventing Obesity
23.	Postural Deformities And Their Corrective Measures
24.	Project on Recycling of Water-example from RO plants, etc.
25.	Motor Fitness Test / Khelo-India National Fitness Test
26.	How The virus That causes COVID-19 differs from other corona viruses
27.	Projects On Understanding Water Pollution
28.	Corona virus (covid-19) Infection control and prevention measures
29.	Importance Of Physical Fitness , Wellness And Healthy Lifestyle
30.	Olympic Symbol, Torch , Moto, Oath
31.	How to Protect Yourself against COVID- 19
32.	Qualities Of A Leader OR Captain
33.	Visiting municipal Water treatment and supply Plants and monitoring Water Quality at school / home
34.	Reduce , Recycle, Reuse (most important 3R s) And Now Respect
35.	Motor Development In Children
36.	Yoga For Preventing Diabetes
37.	Postural Deformities And Their Corrective Measures
38.	Project on Recycling of Water-example from RO plants, etc.
39.	Motor Fitness Test / Khelo-India National Fitness Test
40.	How The virus That causes COVID-19 differs from other corona viruses

Roll no.	HPE Project (write about 10 to 15 pages)
1.	Swachcha Vidyalaya Swachcha Bharat
2.	Dignity Of Labour .
3.	Empathy
4.	Care For Homeless Children
5.	Being Safe And Responsible First Aid
6.	Environment Conscious Citizens As Part Of Eco Clubs
7.	First Aid Awareness raising Demonstration
8.	Preparation Of Family Budget And Maintenance Of Daily Household Accounts
9.	Running School Café With Focus On Nutrition
10.	School Gardening Project
11.	Adopting An Orphanage For conducting joyful activities
12.	School Water Use Audits
13.	Khelo India Program
14.	Meaning And Importance Of Yoga
15.	Home Water Use Audits
16.	Meaning And Importance Of Physical Fitness, Wellness And Lifestyle
17.	Setting Up rainwater harvesting structures
18.	Leadership Qualities And Role Of a Leader
19.	Project on indigenous Methods Of Water conservation
20.	Safety measures To Prevent Sports Injuries
21.	Metering Use of Water Saving devices/Taps And ensuring no Leakages in Plumbing Pipes etc.
22.	Balanced Diet And Nutrition Macro And Micro Nutrients
23.	Causes Of Disability
24.	Project on awareness and Planting drought prone / native plants / trees

25.	Reduce , Recycle, Reuse (most important 3R s) And Now Respect
26.	Motor Development In Children
27.	Yoga For Preventing Obesity
28.	Postural Deformities And Their Corrective Measures
29.	Project on Recycling of Water-example from RO plants, etc.
30.	Motor Fitness Test / Khelo-India National Fitness Test
31.	How The virus That causes COVID-19 differs from other corona viruses
32.	Projects On Understanding Water Pollution
33.	Corona virus (covid-19) Infection control and prevention measures
34.	Importance Of Physical Fitness , Wellness And Healthy Lifestyle
35.	Olympic Symbol, Torch , Moto, Oath
36.	How to Protect Yourself against COVID- 19
37.	Qualities Of A Leader OR Captain
38.	Visiting municipal Water treatment and supply Plants and monitoring Water Quality at school / home

IX-C

Roll No	HPE Project (write about 10 to 15 pages)
1.	Swachha Vidyalaya Swachha Bharat
2.	Dignity Of Labour .
3.	Empathy
4.	Care For Homeless Children
5.	Being Safe And Responsible First Aid
6.	Environment Conscious Citizens As Part Of Eco Clubs
7.	First Aid Awareness raising Demonstration
8.	Preparation Of Family Budget And Maintenance Of Daily Household

	Accounts
9.	Running School Café With Focus On Nutrition
10.	School Gardening Project
11.	Adopting An Orphanage For conducting joyful activities
12.	School Water Use Audits
13.	Khelo India Program
14.	Meaning And Importance Of Yoga
15.	Home Water Use Audits
16.	Meaning And Importance Of Physical Fitness, Wellness And Lifestyle
17.	Setting Up rainwater harvesting structures
18.	Leadership Qualities And Role Of a Leader
19.	Project on indigenous Methods Of Water conservation
20.	Safety measures To Prevent Sports Injuries
21.	Metering Use of Water Saving devices/Taps And ensuring no Leakages in Plumbing Pipes etc.
22.	Balanced Diet And Nutrition Macro And Micro Nutrients
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24.	Project on awareness and Planting drought prone / native plants / trees
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29.	Project on Recycling of Water-example from RO plants, etc.
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31.	How The virus That causes COVID-19 differs from other corona viruses
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35.	Motor Development In Children
36.	How to Protect Yourself against COVID- 19
37.	Meaning And Importance Of Physical Fitness, Wellness And Lifestyle
38.	Swachcha Vidyalaya Swachcha Bharat
39.	Dignity Of Labour .

COMPUTER

Make a colorful chart showing different categories of software and write the shortcut keys.
