



HOLY HEARTS EDUCATIONAL ACADEMY

RAIPUR, CHHATTISGARH, 0771-421700, 2431088

CLASS : IX

SUMMER HOMEWORK - 2021

ENGLISH

- 1) You are required to cover your notebooks and label it as you have 5 marks for it.
- 2) Write at least 5 positive news headlines from an English newspaper thrice a week in your homework copy or rough notebook.
- 3) Read an English Novel and write a short story on it covering the following point:-
 - Title of the book.
 - Name of the Author
 - What you liked about the story.
- 4) Write your view on the difference between a “Virtual classroom” and a “Real classroom”.
(100 – 120 words)
- 5) Write a short story on any incident that you remember from your childhood in which you got lost or may have gotten lost. (100 – 120 words)
- 6) Draw a diagram or paint a picture depicting what future schools will be like according to you.
(Use an A-4 sheet and refer the book BEEHIVE Chapter – 1 “The Fun They had”)
- 7) **Video Making:**
 - Make a video speaking on any one following topics;
 - a. Childhood memory you cherish
 - b. A Funny Incident you faced
 - c. A family holiday you enjoyed the most
 - d. Historical character you admire most.

(Video should not exceed 3 minutes.)
(It should be sent to the teacher in charge through WhatsApp.)
- 8) **ART INTEGRATED ACTIVITY**

AIA is an activity that you can perform in a group of 4-5 students.
The entire activity should be related to the state of CHHATTISGARH
Following are the topics on which you can perform this activity.
(You are supposed to perform on any one of the given activity)

 - a) Travel Brochure (Hard copy)
 - b) Folk Dance (Video)
 - c) PPT on Religious Places/Festivals and celebrations of Chhattisgarh
 - d) Fashion Show on traditional dress of Chhattisgarh and its different textiles (Video)
 - e) Project on:-
 - Famous poets and Authors from Chhattisgarh
 - Music and Dance
 - f) Painting, Pottery, sculpture (Hard copy)
 - g) Recitation of Chhattisgarhi poem explained in Hindi and English (Video)
 - h) Traditional food of Chhattisgarh. (Video)
 - * It is compulsory for all the students to participate in this activity as it comes under internal assessment of Subject Enrichment for 5 marks.
 - * Most Important thing is that, the activity of Folk Dance needs students to get together at one place. Do not pressurize your parents to send you to your friends place. If your parents do not give permission please choose some other activity as there are plenty of things that you can do.

Keep the AIA ready for submission immediately after the reopening of the online classes.

Hindi

ग्रीष्मावकाश गृहकार्य*

विषय- हिंदी

कक्षा-नवमी

(I)-निम्नलिखित विषयों पर A-4 शीट पर विवरण लिखकर पोर्टफोलियो फाइल तैयार कीजिए।

1. संतकबीर और महान कहानीकार, उपन्यासकार प्रेमचंद के जीवनी पर प्रकाश डालते हुए उनकी रचनाएँ एवं साहित्यिक उपलब्धियों का सचित्र विवरण दीजिए।
2. अपने क्षेत्र में एक पार्क विकसित करने के लिए नगर निगम अधिकारी को पत्र लिखिए।
3. नीचे दिए विषय पर संकेत बिंदु के आधार पर लगभग 80 से 100 शब्दों में अनुच्छेद लिखिए -
पुस्तकें : हमारी सच्ची मित्र
प्रस्तावना,
पुस्तकों से लाभ,
सच्चा आनंद,
उपसंहार।

(II)- निम्नलिखित विषयों में से *किसी एक* विषय पर 2- 3 मिनट का वीडियो तैयार कीजिए।

1. 'ल्हासा की ओर' पाठ के आधार पर आप अपने मनपसंद किसी पर्यटन स्थल के विषय में सविस्तार विवरण प्रस्तुत कीजिए।
2. कोविड-19 से अपने आपको सुरक्षित रखने लिए हमें क्या -क्या सावधानी रखनी चाहिए। देश को इस महामारी से बचाने के लिए एक नागरिक क्या कर्तव्य होना चाहिए।
3. 'व्यक्ति कुल से नहीं कर्म से बड़ा होता है।' देश के ऐसे महापुरुषों के बारे में बताइए जिन्होंने इस कथन को सत्य सिद्ध किया है।

(III) -छत्तीसगढ़ राज्य के लोकगीत, संगीत और राज्य के प्रसिद्ध पर्यटक स्थल का सचित्र विवरण प्रस्तुत करते हुए कला एकीकृत (Art Integrated) की फाइल तैयार कीजिए।

SANSKRIT

अवकाशकेलिएगृहकार्य

पोर्टफोलियो

1. स्वर, व्यंजन वर्ण के उत्पत्ति स्थान चित्रसहित लेखन।
2. संस्कृत भाषा उत्पत्ति एवं विकासः।
3. संस्कृत भाषा के प्रसिद्ध ग्रंथ, कहानियों, कविताओं नाम एवं उनके रचनाकारों के नाम।

Video

1. वंदे मातरम् भारत की विशेषताएं
योगा, विज्ञान, सेना, नदीयाँ, पर्वत, राज्य, संस्कृति, धर्म, वेद, साहित्य पर आधारित।
2. प्राकृतिक सौंदर्य
3. कहानी अभिनय। लोभस्यदुष्परिणामः, त्यागस्यसुपरिणाम। समयःश्रेष्ठधनः।
कलापरियोजना
ग्रीष्म अवकाश में अपने परिजनों को घरेलू कार्य में किये गये सहयोग का क्रम तिथिवार विवरण करना। प्रत्येक कार्य को उन्हें सहयोग किया हो उनसे प्रमाणित करवाना।

Mathematics

1. Solve the Exercises of Chapter - 1 from reference book R.S. Agrawal

2. Mathematics Portfolio about Pythagoras/Heron's Contribution to Mathematics (4-5 pages)

Make a video on any one of following topics from Mathematics:

1. Introduction of Real Numbers (Define Number System)
2. How can you use Mensuration in your daily life?
3. Use of Statistics in our daily life.

You can make video individually or with your classmates also. Duration of the video should be 2-3 minutes.

Art Integration Activity:

Make a bar graph on the number of people vaccinated till now in major cities of Chhattisgarh. (Take At least 5-6 cities)

SCIENCE

PHYSICS*

- 1) Write the answer for all the in text and exercise questions.
- 2) Write all the formulas related to motion.
- 3) Write and draw at least five different types of motion.
- 4) Derive the formula for equations of motion (graphically and theoretical)
- 5) Calculate the time required for you to reach school. If your average speed is 20km/hr.

****Physics***

Audio/Visual project (any one):*

- 1) Relate different types of motions from the living world.
- 2) Speed of sound in solid, liquid, air.
- 3) Applications of push/pull.

Physics AIA:

- 1) Potential energies found in Chhattisgarh.
- 2) Solar energy implementation plan of Chhattisgarh

Physics Portfolio:

- 1) Make a report of all the activities you did related to physics from 1st standard in the stick file.
- 2) Make a portfolio for commonly used gadgets and appliances in our daily life and also discuss the technology used behind it.

Chemistry

- 1) Solve NCERT in text questions and exercise questions of chapter 1 (matter in our surrounding)**
- 2) Video assignment on any one topic (students have to make a video of 2 -3 minutes)**

- 1) Explain matter and show an activity to illustrate any one property of matter.
- 2) Explain evaporation and factors affecting evaporation.
- 3) Explain transitions between the three states of matter.

3) Portfolio

Students have to make their portfolio in stick file (any one topic)

- 1) Explain sublimation with the help of examples and also write an activity to show the process of sublimation.
- 2) States of matter
- 3) Latent heat of fusion and latent heat of vaporization.

4) Art integrated project

Students have to make either PowerPoint presentation or project file (on any one topic) related to Chhattisgarh state

- 1) Report on chemical factories in Chhattisgarh state.
- 2) Minerals and fertilizers used to increase the crop production
- 3) Types of natural fiber produced in Chhattisgarh

Biology

- 1) Write the answers of the following questions-NCERT based
- A) Describe the functions of plasma membranes?
- B) Draw a well labelled diagram of a plant cell.
- C) Write differences between RER and SER.
- D) Write function of mitochondria.
- E) Draw diagrams of the nucleus.

Video Assignment (on any one topic given below) will be included as ART INTEGRATION 2021-22

- 1) Explain Endo osmosis and Exo osmosis with one activity each. (Use resin experiment in home for demonstration)
- 2) Explain RER and SER in detail. (Prepare clay model for explanation)
- 3) Explain animal cell and plant cell. (Can show plant samples for demonstration)

Portfolio 2021-22

To be written on a separate stick file not more than five pages

Write a short note on any one of the following topics-

- 1) Vaccination is a boon to our society (Relate current situation in Chhattisgarh on vaccination)
- 2) Save ecosystem save environment (based on environment day)
- 3) Write a short note on Covid 19 pandemic, its effect socially, physically and emotionally on us.

Social Science

- 1) ***Project***- on Disaster management. (In stick file)
- 2) ***Portfolio*** - Make portfolio on following topics:
 - (A) "The Internet has changed the way the world works at present."
 - (B) Father's Day is the perfect time to express your gratitude to your father so express your heartwarming moments with your father.
 - (C) Covid - 19 has its positive impacts too. Justify giving your personal experience.

3) ***Art Integrated Activity***

Make PPT focusing on our state *Chhattisgarh's*:

- (I) Location - travel brochure
- (ii) Famous places
- (iii) Folk songs and folk dances.
- (iv) Tradition and culture
- (v) Festivals celebrated.
- (vi) Cuisines

- 4) Identify the states and their capitals properly coloured on the political map of India.
- 5) Draw a diagram of the globe showing different latitudes and longitudes.

6) Form any 10 valid objective type questions with answers and complete the exercise question and answers of *Chapter 2 - Geography- Physical features of India*

- 7) ***Prepare PPT*** on the various activities performed by the people of village Palampur.

Social science

Video- making

- 1) Make a video to show how the life of farmers was before and after the arrival of electricity in Indian
- 2) Make a video show the sources of credit (borrowing money) for the small farmers in villages.
- 3) Make a video to take us on a virtual tour to Himalayas to beat the heat of summer during this summer vacation.

4) Make a video to show that INDIA is a land of rich heritage so highlight the attire, language, cuisine and

festivals celebrated in different states .

****The video should not be more than 2min***

****Make video on any one of the given topic***

Information Technology

A. State whether the following statements are true or false:

1. The full form of ICT is Information Commuting Technology.
2. Live sports and news can only be shown using ICT.
3. Email cannot be sent to more than one person at a time.
4. Email is an electronic message sent over the Internet or a computer Network.
5. Pictures, videos, audio files, and spreadsheet files cannot be attached with an e-mail.
6. By choosing the "Reply" option, the e-mail address of the sender of the original message will appear in the "To" field.
7. Email is an electronic message transmitted over the Internet or computer network from one user to another.
8. You can forward the e-mail by clicking on the delete icon.

Multiple choice questions:

1. What is short-range wireless communication?

Technology called?

- | | |
|--------------|---------------|
| (a) Wi-Fi | (c) Bluetooth |
| (b) Internet | (d) PS |

2. Which part of the home screen is visible on all pages?

- | | |
|--------------------|-----------|
| (a) Status bar | (c) Dock |
| (b) Main icon area | (d) Clock |

3. What does GPS stand for?

- | | |
|-------------------------------|----------------------------|
| (a) Global Positioning System | (c) Global Program System |
| (b) Global Payment System | (d) Global Pointing System |

4. Which of the following units make up the CPU? Choose and tick all the correct options.

- | | |
|---------------------|------------------|
| (a) Processing Unit | (d) Control Unit |
| (b) Input Unit | (e) Output Unit |
| (c) Memory Unit | |

5. Which of the following are names of ports in a computer? Choose and tick all the correct options.

- | | |
|-----------|--------------|
| (a) HDMI | (d) USB |
| (b) Input | (e) Ethernet |
| (c) VGA | |

6. There is a talent contest in your town. For participating in the audition, you have to send a recording of a song.

What would you connect to your computer to record your song?

- | | |
|----------------|-------------|
| (a) Keyboard | (c) Scanner |
| (b) Microphone | (d) Mouse |

7. Which of the following functions are performed using a mouse? Choose and tick all the correct options.

- | | |
|----------------------|---------------------------|
| (a) Turn on computer | (c) Right click |
| (b) Typing | (d) Drag and Drop an Icon |

8. What is the term used when you press and hold the left mouse key and move the mouse around?
 (a) Highlighting (c) Selecting
 (b) Dragging (d) Moving
9. Rearrange the steps for starting a computer in the correct sequence.
 (a) Desktop appears after login ()
 (b) Login screen appears ()
 (c) Power on Self-Test (POST) starts ()
 (d) Operating system starts ()
 (e) Welcome screen appears ()
10. Which one of the following shortcut key is used to paste a file? Tick marks the correct answer.
 (a) Ctrl + C (b) Ctrl + P (c) Ctrl + V (d) Ctrl + X
11. Which of the following is a valid file extension for Notepad file? Tick marks the correct answer.
 (a) .jpg (b) .doc (c) .text (d) .txt
12. Which key do you use to copy something? Tick marks the correct answer.
 (a) Ctrl+X (b) Ctrl+C (c) Ctrl+Z (d) Ctrl+T
13. To connect to the Internet, the computer has to be connected to the _____.
 (a) Internet Society (c) Internet Service Provider
 (b) Internet Architecture (d) Large Area Network
14. What is the Internet?
 (a) Phone connections (c) Network of computers in an office
 (b) Collection of computer networks (d) None of the above
15. What do I need to get information from the World Wide Web?
 (a) Computer (c) Internet Connection
 (b) Browser (d) All of the above
16. Which of the following is a web browser?
 (a) Internet (c) Windows
 (b) Chrome (d) None of the above
17. Here are the steps to sign in to your Gmail account.
 (i) Type username (ii) Go to www.gmail.com (iii) Click Sign in (iv) Type password
 Choose the option with the correct order.
 (a) i> ii > iv > iii (c) ii>i> iv > iii
 (b) ii>i> iii > iv (d) ii> iii >i> iv
18. Which one of the following statements is false?
 (a) You need to create an account before you can send an e-mail.
 (b) You should sign out of your account when you are not using the computer.
 (c) You do not need an Internet connection to use your Gmail account.
 (d) You must not share your password with others.
19. Which of the following is an e-mail service?
 (a) WhatsApp (c) Gmail
 (b) We Chat (d) Face book
20. What do you type in the "To" field?
 (a) The topic of the e-mail
 (b) The main message of the e-mail
 (c) Email address of the person to whom you want to send a copy of the e-mail
 (d) Email address of the person you are sending the mail to.

Specially Designed Task for Enhancing Reading, Writing skills, Vocabulary and General Knowledge

Watch the English movie 'The Lion King' and write the story of the movie in your own words.

(It is to be done in the English copy)

Write a Diary Entry daily on how you spent the day. Also list things that made you realise how grateful you need to be for all that you have. (Do it in your English copy)

GENERAL KNOWLEDGE:

- 1) Indian standard time is situated at ___ ° longitude?
- 2) How many biosphere reserves are there in India?
- 3) How many Indian wrestlers have won medals in Olympic Games?
- 4) What was the name of the Mars rover sent by NASA that landed successfully in 2021?
- 5) Poona pact was signed in which year?
- 6) Who is known as the Prince of Mathematics?
- 7) In which number system there is no symbol for zero?
- 8) What are three positive numbers that give the same result by addition or multiplication?
- 9) Which number is considered as Ramanujan number?
- 10) Who is known as Human Computer?
- 11) What is the full form of ICICI Bank?
- 12) Where is the reserve Bank of India located?
- 13) Who is the inventor of dynamite?
- 14) Who was the first female IAS officer?
- 15) Who invented the Compact Disc?
- 16) IC chips used in computers are usually made of.....
- 17) Who invented the mechanical calculator called Pascaline?
- 18) When was the first smartphone launched?
- 19) Mows is a type of mouse forpeople.
- 20) Who invented the light bulb?
- 21) Who discovered Penicillin?
- 22) Which is the smallest bird in the world?
- 23) Where was last Olympic games held and when?
- 24) Who is known as the Iron man of India?
- 25) Who was the first woman president of India?
- 26) How many total number of districts are there in Chhattisgarh?
- 27) Which city of Chhattisgarh is famous for the "Kosa" weaving industry?
- 28) Who was the first Chief Minister of Chhattisgarh?
- 29) Name the state to the east of Chhattisgarh?
- 30) Which is the only INDIAN state that shares its boundary with Sikkim?
- 31) IN the following questions choose the one which best expresses the meaning of the given word:

(I) GHASTLY;

- a) Terrible b) Pleasant c) Pretty d) Sweet

(II) CHALLENGES:

- a) Fear b) Obstacle c) Conflicts d) Question

(III) FRAGILE:

- a) Strong b) Big c) Delicate d) Injure

(IV) CONSENT:

- a) Approval b) Denial c) Protest d) Respect

(V) TIMID

- a) REVOLVE b) FEARFUL c) OPERATE d) FAITHFUL

- 31) Which place is known as the roof of the world?
 32) Which country is called the land of rising sun?
 33) Who painted the Mona LISA?
 34) Which country is home to the Kangaroos?
 35) When was the first International Yoga Day celebrated?
 36) Who is known as the father of economics?
 37) Who is known as the father of evolution?
 38) In which subject was the NOBEL PRIZE awarded to C. V. RAMEN?
- 39) अगुलहासधारा किस महासागर में बनती है ?
 (A) प्रशान्त महासागर में (C) आर्कटिक महासागर में
 (B) हिन्द महासागर में (D) अन्य
- 40) पृथ्वीकासबसेभीतरवालाभागक्रोडकिसकाबनाहोताहै?
 (A) ताँबाऔरजस्ता (C) लोहाऔरजस्ता
 (B) निकेलऔरताँबा (D) लोहाऔरनिकेल
- 41) मैंगनीजकेउत्पादनमेंभारतकादूसरास्थानहै, प्रथमदेशकौनसाहै?
 (A) फ्रांस (C) कनाडा
 (B) रुसीसंघ (D) संयुक्तराज्यअमेरिका
- 42) निम्नांकितमेंसेकौनदेशकोयलेकासबसेबड़ाउत्पादकहै?
 (A) ब्राजील (C) अमेरिका
 (B) भारत (D) चीन
- 43) इनमेंकिसकोजापानकामैनचेस्टरकहाजाताहै?
 (A) ओसाका (C) नागासाकी
 (B) टोकियो (D) याकोहामा
- 44) भारतकेस्वतंत्रतासंघर्षकेदौरान 'Deccan Educational Society' नामकसंस्थाकीस्थापनाकिसनेकीथी?
 (A) जवाहरलालनेहरू (C) बालगंगाधरतिलक
 (B) रवीन्द्रनाथटैगोर (D) व्योमेशचन्द्रबनर्जी
- 45) 1857 केगदरकेसमयभारतकागवर्नरजनरलकौनथा?
 (A) लॉर्डकेनिंग (C) जॉनमथाई
 (B) नीलआर्मस्ट्रॉंग (D) अन्य