

DSK DAV PUBLIC SCHOOL, PURULIA (WB)

Class:-IX A & B. Holiday Homework (2021-2022). Subject:- CHEMISTRY

Do all these.

1. Frame a set of thirty objective questions (MCQs, Fillips ,one word answer, Assertion-Reason based).
2. Do these activities & maintain the record in practical note book.
  - (a) To show the inter particles space in matter.
  - (b) To show that solids and liquids can not compressed but gases can be.
  - (c) Determine the latent heat of fusion.
  - (d) Determine the latent heat of vaporisation.
  - (e) Explain the sublimation of ammonium chloride.
  - (f) To show the presence of water vapour in air.
3. Learn & write the question-answers of "Matter In Our Surroundings" from S. Chand.  
Note:- If you need any help, may contact through my personal contact no.or whatsapp no. 8250256242 like pdf of above said Chapter.

## HOLIDAY HOMEWORK

### CLASS-IX

### BIOLOGY

#### A. VERY SHORT ANSWER TYPE QUESTION

1. State the function of chromosome in a cell .
2. Identify the single celled organisms from the following  
(Cockroach , Chlamydomonas ,Snake , mosquito , bacteria)
3. When a living plant cell loses water through osmosis ,there is contraction of the contents of the cell away from the cell wall . What is the phenomenon called?
4. Name two cell organelles that have their own genetic material.
5. What are the main function of each of the following . State the function of chromosome in a cell.

Identify functions of each of the following .

i. Plasma membrane ii. Chromosomes iii. Lysosomes iv. Ribosomes v. Nucleus vi. Mitochondria vii. Cell wall viii. Chloroplast ix. Peroxisomes

6. Name the cell organelle which is able to destroy a damaged cell.
7. Name the cell organelle which has membrane bound sac filled with powerful digestive enzymes.
8. State two differences between prokaryotic and eukaryotic cells .
9. Give one word answer the following .
  - i. organelle containing chlorophyll
  - ii. living matter of the cell
  - iii. brain of the cell
  - iv. Powerhouse of the cell
  - v. Genetic material
  - vi. Cell without membrane bound nucleus
  - vii. Single celled organism



vii. energy currency of the cell

ix. organelles of the cristae

x. organelle that impart colours other than green .

10. Expand ATP.

B. Comparison

i. Prokaryotic cell and Eukaryotic cell

ii. Cell membrane and Cell wall

iii. Plant cell and Animal cell

iv. Diffusion and Osmosis

C. SHORT ANSWER TYPE QUESTIONS

1. What is the functional unit of life ? Define it.

2. What is DNA? Explain its functions.

3. Why is plasma membrane called a selectively permeable membrane ? How do substances like Carbon dioxide and water move in and out of the cell .

4. Which cell organelle is the most prominent and important structure in a cell ? Explain with the help of diagram.

D. ACTIVITY BASED

1. Draw a compound microscope and label it .

2. Diagrammatic colourful representation of Animal cell , Plant cell and Bacterial cell with suitably labeled .

**Summer Holidays Homework**  
**Worksheet subject-physics class-9**

1. Define

- a) uniform circular motion
- b) inertia
- c) balanced forces
- d) unbalanced forces

2. Derive the equation of motion for

- a) velocity-time relation
- b) position-time relation
- c) position-velocity relation by graphical method

3. Draw the

- a) distance-time graph for
  - i) body at rest
  - ii) body having uniform motion
  - ii) having non-uniform motion
- b) velocity-time graph for
  - i) uniformly accelerated motion
  - ii) uniform retardation
  - iii) non uniform accelerated motion

4. A car acquires a velocity of 72 km/h in 20 seconds starting from rest. FIND

- a) the acceleration
- ii) the distance travelled in this time

5. A car has a uniform acceleration of  $4\text{m/s}^2$

.What distance will it cover in 5 seconds after start?

6. A train running at 108km/h is brought to a halt in 2 minutes. Calculate the retardation produced by

the application of the brakes.

7. i) give reason :

a) a person jumping out of a moving bus may fall forward

b) some of the leaves get detached from a tree when we shake it's branch vigourously

ii) Name & state the law which explains the above

8. What is the measure of inertia of a body in linear motion? which has more inertria

i)a rubber ball or stone of same size? Why?

ii)a five rupee coin or a one rupee coin? Why?

DSK DAV PUBLIC SCHOOL,PURULIA

SUMMER HOLIDAY HOMEWORK

CLASS: IX            SUBJECT: ENGLISH

SECTION A

WRITING

1. You are Rahul/Ritika of class IX. You were shocked when you came across the following statistics about children in India:

- a) only 53% inhabited India has a primary school
- b) 17 million children are child labourers
- c) 50% of Indian children are malnourished.

Write an article for your school magazine expressing your views on the pathetic condition of these children, suggesting ways to improve the situation. (120-150 words).

2. Taking help of the following points write a paragraph in about 100-150 words.

Devil's triangle- associated with maritime disasters- shaped area 1,140,000sq.kms- triangle between the island of Bermuda, the coast of Southern Florida and Puerto Rico- floating masses of gulf weed- area regarded perilous- unexplained disappearances of a number of US planes- no trace.

3. Write a diary entry of the day when you became the proud winner of Flower Arrangement Competition organised in your school.

4. Applying your imaginative power write an one act Drama / a Short Story/ a poem giving a suitable title.

SECTION B

GRAMMAR

1. Read the dialogue given below and complete the paragraph.

Interviewer: What are your qualifications?

Candidate: I have done Hotel Management from the National Institute of Hotel Management.

Interviewer: Do you have any work experience?

Candidate: I have worked at a hotel reception for a year. Sir, do you like my profile?

The interviewer asked the candidate a)\_\_\_\_\_ . The candidate replied that b)\_\_\_\_\_ the National Institute of Hotel Management. To the interviewer's enquiry as to whether he had any work experiences, the candidate said that c) \_\_\_\_\_ at a hotel reception for a year. The candidate asked respectfully d)\_\_\_\_\_.

2. Error Correction.

Error

Correction

- a) Have you ever wonder why certain children
- b) bubble in energy? This energy is
- c) reflected in their enthusiasm to learning
- d) and excel at new things. So super active
- e) kids score on two counts over there counterparts.

### SECTION C

### LITERATURE

1. Read the texts The Fun They Had, The Road Not Taken and The Lost Child and prepare the questions and answers provided to you.

## DSK DAV PUBLIC SCHOOL, PURULIA

### SUMMER HOLIDAY HOMEWORK

**Class – IX**

**Session – 2021-2020.**

**Subject – Hindi**

- . 'दो बैलों की कथा' कहानी से जुड़े प्रश्नोत्तर लिखिए।
- . 'ल्हासा की ओर' पाठ से जुड़े प्रश्नोत्तर लिखिए।
- . कबीर की साखियाँ और सबद पाठ से जुड़े प्रश्नोत्तर लिखिए।
- . ललछद के वाख पाठ से जुड़े प्रश्नोत्तर लिखिए।
- . इन सभी पाठ से जुड़े अतिरिक्त प्रश्नोत्तर तैयार कीजिए।
- . पिछले पाँच साल के बोर्ड के प्रश्नोत्तर हल करे।
- . **व्याकरण उपसर्ग**

बावजूद, निस्संकोच, वाकायदा, प्रतिक्षण, प्रहार, अनभिज्ञ, दुर्भाग्य, अधखिला, सुरक्षा, आशंका, दुर्वचन, सद्गति, आग्रह, विगत, निराधार, प्रतिद्वंद्वी, निश्चल, चिरायु, परिवर्तन, उपस्थित विशिष्ट, लाजवाब, सुयश, उत्पाद, संयोग, प्रगति, उपहार, बेजान, उद्घाटन, निश्चय, अतिरिक्त, सत्कार, धार्मिक, खुशमिज़ाज़, विचित्र, प्रतिशत, लाइलाज सत्कार, अनुसंधान प्रत्युत्तर।

#### प्रत्यय

1. औद्योगिक .....
2. क्रोधित .....
3. वास्तविक .....
4. पढ़ाकू .....
5. अंकित .....
6. चिकनाहट .....
7. मिलान .....
8. लिखावट .....
9. आर्थिक .....
10. प्रसन्नता .....
11. समर्पित .....
12. पहाड़ी .....
13. प्रतिष्ठित .....
14. सपेरा .....
15. कालिमा .....
16. कृपालु .....
17. आनंदित .....
18. सौदागर .....
19. नैतिक .....
20. बहाव .....



रचनात्मक लेखन

अनुच्छेद लेखन

- . कोरोना का प्रभाव
- 二. आज की शिक्षा पर कोरोना का प्रभाव
- 三. युवा वर्ग और मोबाइल फोन
- 四. लोकतंत्र और चुनाव
- 五. पर्यावरण संरक्षण

लघुकथा लेखन

अपनी कल्पना के आधार पर कोई भी एक लघुकथा लिखिए।

## Summer Holiday Homework

### Class IX Sanskrit

- 1) स्वकक्षाध्यापकस्य विषये मित्रं प्रति पत्रं लिखत-
- 2) मित्रं प्रति स्वविधालयस्य वार्षिकोत्सवं वर्णयन् पत्रं लिखत।
- 3) 'अस्माकं विधालयः' इति विषयम् अधिकृत्य संस्कृतभाषायाम् पञ्च वाक्यानि लिखत।
- 4) 'पर्यावरणस्य रक्षणम्' इति विषयम् अधिकृत्य संस्कृतभाषायाम् पञ्च वाक्यानि लिखत।
- 5) 'कोरोणा महामारी' इति विषयम् अधिकृत्य संस्कृतभाषायाम् पञ्च वाक्यानि लिखत।
- 6) उदाहरणमनुसृत्य कोष्ठकगतेषु पदेषु पञ्चमीविभक्तेः प्रयोगं कृत्वा रिक्तस्थानानि पूरयत-  
यथा- मूषकः बिलाद् बहिः निर्गच्छति (बिल)
  - i. जनः ..... बहिः आगच्छति। (ग्राम)
  - ii. नद्यः ..... निस्सरन्ति। (पर्वत)
  - iii. .... पत्राणि पतन्ति। (वृक्ष)
  - iv. बालकः ..... विभेति?। (सिंह)
  - v. ईश्वरः ..... त्रायते। (क्लेश)
  - vi. प्रभुः भक्तं ..... निवारयति। (पाप)
- 7) पूर्णवाक्येन उत्तरं लिखत-
  - i. कालः कस्य रसं पिबति?
  - ii. घटमूल्यार्थं यदा मल्लिका स्वाभूषणं दातुं प्रयतते तदा कुम्भकारः किं वदति?
  - iii. मल्लिकया किं दृष्ट्वा धेनोः ताडनस्य वास्तविकं कारणं ज्ञातम्?
  - iv. मासपर्यन्तं धेनोः अदोहनस्य किं कारणमासीत्?
- 8) मंजूषायाः सहायतया भावार्थं रिक्तस्थानानि पूरयत-

मंजूषायाः - गृहव्यवस्थायै, उत्पादयेत्, समर्थकः, धर्मयात्रायाः, मङ्गलकामनाम्, कल्याणकारिणः।।

यदा चन्दनः स्वपत्न्या काशीविश्वनाथं प्रति ..... विषये जानाति तदा सः क्रोधितः न भवति यत्तस्याः पत्नी तं ..... कथयित्वा सखीभिः सह भ्रमणाय गच्छति अपि तु तस्याः यात्रायाः कृते .....

कुर्वन् कथयति यत् तव मार्गाः शिवाः अर्थात् ..... भवन्तु। मार्गे काचिदपि बाधाः तव कृते  
समस्यां न .....। एतेन सिध्यति यत् चन्दनः नारीस्वतन्त्रतायाः ..... आसीत्।

**CLASS - IX**  
**SUBJECT – BENGALI**

1. ছুটি গল্প ও খেয়া কবিতা থেকে দশটি সন্ধিযুক্ত পদ নির্বাচন করে সন্ধি বিচ্ছেদ করো।
2. আম আঁটির ভেঁপু পাঠ্যাংশ এ গ্রাম বাংলার যে প্রাকৃতিক পরিবেশ ফুটে উঠেছে তা নিজের ভাষায় লেখ। ( ১৫০ শব্দের মধ্যে)
3. ছুটি গল্পের ফটিক ও আম আঁটির ভেঁপু র অপু যেন একেই ছাঁচে গড়া। - ফটিক অপু মध्ये কি কি বিষয়ে মিল লক্ষ্য করা যায় তা আলোচনা করো।
4. রবীন্দ্রনাথ ঠাকুর ও বিভূতিভূষণ বন্দ্যোপাধ্যায়ের পাঁচটি করে ছোট গল্প ও উপন্যাসের নাম লেখ।
5. কেন্দ্রীয় সরকার জাতীয় শিক্ষানীতি ( NATIONAL EDUCATION POLICY) প্রকাশ করেছে- এই বিষয়ের উপর সংবাদপত্রের জন্য একটি প্রতিবেদন রচনা করো ।

**Holiday HW**  
**Class-IX Mathematics**

1. Solve the questions provided in the given link below.

[https://drive.google.com/file/d/1V-xSUs-7gf6\\_M-UZo9LX7wRbgjoyvEDd/view?usp=drivesdk](https://drive.google.com/file/d/1V-xSUs-7gf6_M-UZo9LX7wRbgjoyvEDd/view?usp=drivesdk)

2. Activities.

- a. Construct a square root spiral.
- b. Make model or foldables showing all algebraic identities.

Video link for help

<https://youtu.be/ETpVJ7DQETo>

<https://youtu.be/euBWEpJ5DSk>



Class-IX

SOCIAL SCIENCE

Holiday Homework

HISTORY

1. What compelled Louis XVI to raise taxes in France?
2. "The inequality that existed in the French Society in the Old Regime became the cause of French Revolution". Justify the statement by giving three suitable examples.
3. Trace the event which led to the fall of Bastille.

GEOGRAPHY

1. What is meant by the Indian Standard Time? What is its importance?
2. Why is the difference between the durations of day and night hardly felt at Kanyakumari but not so in Kashmir?
3. Assess the significance of the central location of India in the Indian Ocean.

Or

"India has an important position on the globe." Justify by giving three arguments.

POLITICAL SCIENCE

1. Define Democracy. State two merits and demerits of democracy.
2. Why is Zimbabwe not considered a democratic country?
3. How far was the communist government responsible for the famine that occurred in China in 1958-1961? Explain.

SUMMER VACATION HOLIDAY HOME WORK

SUBJECT- ECONOMICS

Session- 2021-22

Class- IX

Q 1- How do small farmers fullfill their requirements

Of capital ? Explain the various problems related to this.

Q2- Explain the different ways of increasing production

On the same piece of land.. write 2 suitable example.

Q3- Difference between fixed capital and working capital?

Q4- Difference between Multiple cropping and modern farming methods?

Q5- State 5 reason to show that palampur is a developed village?

**DSK DAV PUBLIC SCHOOL,PURULIA**  
**Holiday Homework**

Class: X

Subject: Information Technology

1. Describe the various type of communication with example.
2. Write down the name of elements of communication & communication cycle.
3. Describe the factor to build self confidence.
5. Describe the factor of Self-Management.
6. Difference between Entrepreneur and entrepreneurship.
7. Describe the different type of business.
8. Explain the uses of IT-ES.
9. What is green skills?
10. How to protect and conserve our environment?