



# DELHI WORLD PUBLIC SCHOOL RAJKOT

Holiday Home Work

Session 2024-25

Std: 9



Hey Kids !

Summer Vacation is a welcome break..... Break from fixed schedule, rules & regulations of school, freedom from Teachers and time table. Freedom brings more responsibility, Keeping this in mind, we have planned most of the activities for you to keep you engaged positively and your energies well directed. Though teachers will not be physically present to keep a supervisory eye on you and your work. Guardian Angels at home i.e. your dear mama and papa are there to take care of your emotional, social, physical & academic needs.

We hope your home work and activities will be well managed and presented so that all of you earn a golden star ★ as a grade.

We wish you a wonderful time ahead!

Good Habits and Good Manners are life long assets and manners must be practiced until they become a habit.

Four magic words that are basics of good manners are - Please, Thank you, Excuse me and Sorry. Make these four words a habit and see the difference.

## MANNERS:

At home:

- ⊕ Help to keep the house clean especially the areas you use. Clear the toys, books or crafts that remain after you have finished.
- ⊕ Honesty is the best policy. Tell the truth at all times.
- ⊕ Be polite.
- ⊕ Share the T.V time. Do not sit too close while watching T.V.
- ⊕ Be fair with your friends, brothers and sisters.
- ⊕ Be responsible.



At the dining table:

- ⊕ Take small helpings and refill, clean your plate up.
- ⊕ Take small bites, eat neatly, slowly with your mouth closed.
- ⊕ Help to clear the table and clean up.

## In the Park:

- ⊕ Littering makes the park untidy.
- ⊕ Destroying the plants or plucking the flowers will spoil the beauty.
- ⊕ Wait for your turn on swing and slides.



## At a party:

- ⊕ Wish the host.
- ⊕ Don't mess up somebody's house.

## While shopping:

- ⊕ Softly ask your parent for what you want. If refused, don't throw a tantrum.
- ⊕ Be careful, don't touch any breakable item.



## On the telephone:

- ⊕ If there are no elders around, don't let the phone ring long, answer it.
- ⊕ Talk softly when someone is speaking on the phone and don't interrupt.

## Hygiene:

- ⊕ Brush your teeth twice a day.
- ⊕ Do trim your nails often.
- ⊕ Do not waste water and electricity.
- ⊕ Keep your surroundings and environment clean. It is bad habit to throw things out of the window, car or a balcony.
- ⊕ Make friends having good habits who respect their elders and use good language.



## Dear Parents Please ensure the child:

- ⊕ Speaks in English as far as possible.
- ⊕ Read picture books or story books.
  - Suggestive Series : Noddy, Bubbles , Lady Bird.
- ⊕ Listens to stories told by family members and tries to narrate stories.
- ⊕ Draws and colours pictures often.
- ⊕ Helps in small household jobs like watering plants, laying the dining table, making the bed, arranging books etc.
- ⊕ Is allowed to socialize with family, friends and relatives.
- ⊕ Watch TV only for limited hours and limited channels.
- ⊕ Learns to be self - sufficient by learning to cover books, tie shoe laces, comb hair etc.
- ⊕ Plays some outdoor games, goes for morning and evening walk and exercises regularly.
- ⊕ Sits for his/her studies regularly and completes the holiday Home Work and prepares for the forthcoming Cycle Tests.



We share this world with everybody who lives on this planet. Every small act of ours has an effect on this world. We must learn to take care of our world and make it a better place.

Working together,

Principal

Having spent some time in your new class, you have somewhat got used to the pattern of work in class. You have new challenges to meet and targets to achieve! Hope you have a great time with your family and friends during these holidays. Try everything that helps you enjoy this summer and keeps you in good health as well. Here are some activities designed for you to keep you at your creative best while you stay in your homes, beating the summer heat. These are simple activities that you would love to do on your own. Of course, you could ask your parents for some help.

## Subject: Science

### Biology

Q1. Cell were first discovered by \_\_\_\_\_. [1]

(a) Leeuwenhoek (b) Robert Hooke (c) Robert Brown (d) Virchow.

Q2. \_\_\_\_\_ coined the term protoplasm. [1]

(a) Robert hooke (b) Virchow (c) Purkinje (d) Robert brown.

Q3. Give the reason: 'Diversity is observed in cells'. [2]

Q4. Differentiate between Diffusion and Osmosis. (Any 2 differences). [2]

Q5. Define: (a) Osmosis (b) Diffusion (c) Plasmolysis [3]

### Chemistry

Q6. Which of the following type of matter has the weakest interparticle force of attraction? [1]

(a) Steam (b) liquid water (c) sand (d) iron

Q7. Which of the following is not a matter? [1]

(a) Vacuum (b) air (c) common salt (d) chalk

Q8. Convert the following temperatures to the Kelvin scale [2]

(a)  $29^{\circ}\text{C}$       (b)  $373^{\circ}\text{C}$

Q9. What are the characteristics of particles of matter? [2]

Q10. Define: (a) Melting point (b) Latent heat of fusion (c) Boiling point [3]

## Physics

Q11. SI unit of displacement \_\_\_\_\_. [1]

(a) meter      (b) kilometer      (c) meter/second      (d) kilometer/hour

Q12. Rate of velocity is known as : [1]

(a) speed      (b) acceleration      (c) displacement      (d) unit velocity.

Q13. Give the reason : displacement is smaller or equal to the distance. [2]

Q14. Differentiate between distance and displacement [2]

Q15. Define: (a) speed (b) average speed (c) acceleration [3]

## Subject : Social science

### MCQ

1. Geeta lives in the area of one of the most recent landforms in India. According to geology, it is the most unstable landform in the country. Which physiographic landform is she living in?

A. The Himalayan Mountains      B. The Northern Plains  
C. The Islands      D. The Coastal Plains

2. The main land of India extends between latitudes \_\_\_\_ and \_\_\_\_.

A.  $3^{\circ}7'N$  and  $10^{\circ}1'N$       B.  $6^{\circ}8'N$  and  $17^{\circ}1'N$   
C.  $6^{\circ}4'N$  and  $28^{\circ}6'N$       D.  $8^{\circ}4'N$  and  $37^{\circ}6'N$

3. What is the latitude which divides the country into two equal parts?

A. Tropic of Cancer,  $23^{\circ}30'N$       B. Tropic of Cancer,  $18^{\circ}30'N$   
C. Tropic of Capricorn,  $23^{\circ}30'N$       D. Equator

4. What is the southernmost point of the Indian Union?

A. Indira Point      B. Thiruvananthapuram  
C. Kanyakumari      D. None of these

5. What is the Standard Meridian of India and from where does it pass through?

A.  $82^{\circ}30'W$ , Uttar Pradesh      B.  $91^{\circ}15'E$ , Uttarakhand  
C.  $82^{\circ}30'E$ , Uttar Pradesh      D. None of these

6. Which physiographic division of India constitutes one of the ancient land masses on the Earth's surface?
- A. The Deccan Plateau  
B. The Indian Desert  
C. The Northern Plains  
D. The Coastal Plains
7. What are the longitudes in which India is located?
- A.  $108^{\circ}8'E$  and  $139^{\circ}9'E$   
B.  $108^{\circ}8'W$  and  $108^{\circ}8'W$   
C.  $68^{\circ}7'E$  and  $97^{\circ}25'E$   
D.  $68^{\circ}7'W$  and  $97^{\circ}25'W$
8. Which one of the following is not a Himalayan range?
- A. Himadri  
B. Himachal  
C. Kullu  
D. Shivalik
9. What is the Shiwalik range composed of?
- A. Alluvial soil  
B. Thick gravel  
C. Alluminium  
D. Unconsolidated sediments
10. Kumaon Himalayas are situated between two rivers. What are their names?
- A. Teesta and Dihang  
B. Kali and Teesta  
C. Satluj and Kali  
D. Indus and Satluj
11. Purvachal comprises which hills?
- A. Mizo hills  
B. Naga hills  
C. Manipur hills  
D. All of these
12. Where is the Lakshadweep Islands group located?
- A. Close to the Malabar coast of Kerala  
B. Close to the Coromandel coast  
C. Close to the Malabar coast  
D. None of these

### Short type questions-

13. Which of the group of islands belonging to the Indian territory lies in the Bay of Bengal?
14. Which of the places of India is located on the three seas?
15. Indian Standard Time or I.S.T. is how many hours ahead or behind of G.M.T. or Universal Time?
16. Which Canal has reduced India's distance from Europe by 7000 km?
17. Which of the following is the highest peak in India?
18. Which of the following are young-fold mountains?
19. The wet and swampy belt of the Northern Region is known locally as ....
20. What do you understand by 'duns'? Where are they situated in our country? Give any two examples of duns.

### Long type questions-

21. Classify the states into four groups each having common frontiers with (i) Pakistan (ii) China (iii) Myanmar (iv) Bangladesh
22. Write a note on the location and size of India?
23. Name the different major physiographic divisions of India. Write a note on any one of the physiographic divisions of India. (Important)
24. Where are the Western and the Eastern Ghats situated? Write a small note on each.

25. Distinguish between the Northern Plains and the Peninsular Plateau.
26. Which part of the Himalayas is known as Purvanchal? Write a short note on the Purvanchal Himalayas.

**Map based questions-**

27. In the following outline map of India, label the following:
- |                             |                                    |
|-----------------------------|------------------------------------|
| (a) The Tropic of Cancer    | (b) The Standard Meridian of India |
| (c) The Lakshadweep Islands | (d) The Palk Strait                |
28. Label the following in the outline map of India.
- |         |           |            |             |
|---------|-----------|------------|-------------|
| (a) Goa | (b) Assam | (c) Kerala | (d) Manipur |
|---------|-----------|------------|-------------|
29. In the following map of India, mark and label the following:
- |                              |                      |
|------------------------------|----------------------|
| a. The Vindhyas              | b. The Western Ghats |
| c. The Chhota Nagpur Plateau | d. The Aravalis      |
30. In the following map of India, mark and label the following:
- |                      |                       |
|----------------------|-----------------------|
| a. The Eastern Ghats | b. The Khasi Hills    |
| c. The Thar Desert   | d. The Deccan Plateau |

**Subject :IT (402)**

1. Rahul wants to share his birthday pictures with his aunt in the USA. Which apps or platforms can he use?
2. Mention any three services taken by your family through a BPO.
3. Aman is preparing a school project on 'Global Leaders'. How can he use IT for this task?
4. Mention some of the apps launched by the Government of India under e-governance that you or your family members have used.

**Subject : ENGLISH LANGUAGE & LITERATURE**

**(SECTION- A-READING)**

**# 1. Read the passages given below:**

**1. On the basis of your understanding of the passage, answer the given questions:**

1. Caged behind thick, glass the most famous dancer in the world can easily be missed in the National Museum, Delhi. The Dancing Girl of Mohenjo – Daro is that rare artifact that even school children are familiar with. Our school textbooks also communicate a wealth of our 5000 years heritage of art. You have to be alert to her existence there, amid terracotta animals to rediscover this bronze image.

2. Most of us have seen her only in photographs or sketches, therefore the impact of actually holding her is magnified a million times over. One discovers that the dancing girl has no feet. She is Wall, a little over 10 cm tall, the length of a human palm, but she surprises us with the power of great art, the ability to communicate across centuries.

3. A series of bangles of shell or ivory or thin metal clothes her left upper arm all the way down to her fingers. A necklace with three pendants bunched together and a few bangles above the elbow and wrist on the right-hand display almost modern art.

4. She speaks of the undaunted, ever hopeful human spirit. She reminds us that it is important to visit museums in our country to experience the impact that a work of art leaves on our senses, to find among all the riches one particular vision of beauty that speaks to us alone.

**1. The Dancing Girl Belongs to ;**

- (i) Mohenjo-daro
- (ii) Greek-culture
- (iii) Homo-sapiens
- (iv) Tibet

**2. In the museum she's kept among:**

- (i) dancing figures
- (ii) bronze statues
- (iii) terracotta animals
- (iv) books

**3. Which information is not given in the passage?**

- (i) The girl is caged behind glass
- (ii) She is a rare artefact
- (iii) School books communicate the wealth of our heritage
- (iv) She cannot be rediscovered as she's bronze

**4. 'Great AK has power because:**

- (i) It appeals to us despite a passage of time
- (ii) It is small and can be understood.
- (iii) It is seen in pictures and sketches
- (iv) It's magnified a million times

**5. The jewellery she wears:**

- (i) consists of bangles of shall or very or this metal.
- (ii) is a necklace with
- (iii) Both (i) and (ii) are correct
- (iv) Neither (i) nor (ii) is correct

**6. She reminds us:**

- (i) of the never-say-die attitude of humans
- (ii) why museums in our country are exciting
- (iii) why she will make us come into money
- (iv) of dancing figures

**7. The synonym of the word 'among' in pan 1 is:**

- (i) amid
- (ii) communicate
- (iii) rediscover
- (iv) heritage

**8. The size of the dancing girl is equal to the length of human:**

- (i) body
- (ii) hand
- (iii) ear
- (iv) palm

**9. Our school textbooks communicate the ..... of our 5000 year heritage of art.**

(i) history

(ii) wealth

(iii) culture

(iv) artefact

**10. One discovers that the dancing girl has no:**

(i) ears

(ii) eyes

(iii) feet

(iv) hands

**11 . The Synonym of the word undaunted is :**

(i) hopeless

(ii) unafraid

(iii) fearful

(iv) scared

**12. The antonym of the word 'magnify' is:**

(i) amplify

(ii) enhance

(iii) verify

(iv) compress

**Read the passage given below:**

1. The choices we make on a daily basis—lifting heavy objects correctly or dangerous situation—can either ensue potentially harmful circumstances.

2. You and I need to make a decision that our lives in order. Exercising self-control establishing boundaries and borders in our lives most important things we can do. A life without that's filled with carelessness.

3. We can think it's kind of exciting to live life on the edge. We like images of 'youth' That's me living on the edge Woo woo It has become a popular way too look at life. But if you see, even for our safety while we'll go into the ditch. If we could get killed. And we like those lines because they help to keep us safe. Sometimes we, do not realise how lines help to keep us safe.

4. I am not proud of this but for the first 20 years of my life at work, , physically, most of the time. Now I have limits and that I've reached to ignore them and see if or how long I can I ran to doctors, trying to make myself feel better vitamins, natural stuff and anything I could get my eye Some of the doctors would tell me. "It's just stress. - Just made me mad. I thought stress meant you don't like to do or can't handle life, and I love what I do. But I kept pushing myself, travelling, doing speaking engagements and so on—amply exhausting myself.

5. Finally, I understood I was living an unsustainable life and needed to make some changes in my outlook and lifestyle. You and I don't have to be like everyone else or keep up with anyone else. Each of us needs to be exactly the way we are, and we don't have to apologise for it. We're not all alike and we need to find a comfort zone in which we can enjoy our lives instead of making ourselves sick with an overload of stress and pressure.



**On the basis of your understanding of the passage, answer the given questions:**

**1. The reason why living on the edge has become popular, is because of the:**

- (i) constant need for something different
- (ii) population being much younger
- (iii) exhausting effort to make changes
- (iv) strong tendency to stay within our limits

**2. Choose the option that best captures the central idea of the passage from the given quotes.**

- (i) Option (1)
- (ii) Option (2)
- (iii) Option (3)
- (iv) Option (4)

**3. Which of the characteristics are apt about the writer in BM following context: "I know I have limits and that I've them, but I'm going to ignore them and see if or long I can get by with it."**

- 1. Negligent
- 2. Indecisive
- 3. Spontaneous
- 4. Reckless
- 5. Purposeless
- 6. Patient

- (i) 2 and 5
- (ii) 3 and 6
- (iii) 1 and 4
- (iv) 2 and 3

**4. Which of the following will be the most appropriate title for the passage?**

- (i) Much too soon
- (ii) Enough is enough
- (iii) How much is too much'
- (iv) Have enough to do"

**5. The phrase "potentially harmful circumstances" refers to circumstances that can:**

- (i) certainly be dangerous
- (ii) be fairly dangerous
- (iii) be possibly dangerous
- (iv) seldom be dangerous

**6. Select the option that makes the correct use of "unsustainable", as used in the passage, to fill in the blank space.**

- (i) In the long run, the..... officials followed emergency procedures.
- (ii) Emergency procedures were ..... by the officials.
- (iii) Officials reported an ,.....set of events during the emergency.
- (iv) Officials admit that the emergency system is.....in the longer run.

**7. The author attempts to the readers through this write-up.**

- (i) rebuke
- (ii) question
- (iii) offer aid to
- (iv) offer advice to

**8. The author uses colloquial words such as “yeah” and “Woo-hoo. Which of the following is NOT a colloquial word?**

- (i) Hooked
- (iii) Stuff

- (ii) Guy
- (iv) Stress

**9. What does the author mean when he says, “to get our lives in order?”**

- (i) To resume our lives
- (iii) To rebuild our lives

- (ii) To organise our lives
- (iv) To control our lives

**10. Choose the option that correctly states the two meanings of ‘outlook’, as used in the passage.**

- 1. A person’s evaluation of life
- 2. A person’s experiences in life
- 3. A person’s point of view towards life
- 4. A person’s regrets in life
- 5. A person’s general attitude to life

- (i) 1 and 4
- (iii) 3 and 5

- (ii) 2 and 3
- (iv) 4 and 5

### **SECTION-B-WRITING & GRAMMAR**

**Q. Define sentence. its type with proper example.**

**Q1.** You are a resident of Shivaji Nagar Pune. You are concerned about the increasing number of road mishaps in your city. Write a letter to the editor of a local magazine “Jan Chetna” highlighting the problem and suggesting measures to check the problem.

**Q2.** You are Neena / Navin, a student of Max Public School, Mumbai. You are concerned about the lack of awareness around animal rights. Write a letter to the editor about the need to raise awareness about animal rights among the public.

### **SECTION-C-LETRATURE**

**Q1.** Write a summary of the poem Wind & A Road Not Taken, with reference to context?

**Q2.** Write a diary entry about the old and future schools’ environment? Reference with the chapter The Fan They Had.

**Q3.** Write a character sketch of Evelyn & Bismillah Khan?  
.....

## Subject : Mathematics

1. Represent the following numbers on the number line

(i)  $\frac{8}{5}$  (ii)  $\frac{-19}{7}$

(iii)  $\sqrt{3}$

(iv)  $\sqrt{17}$

2. Insert 8 rational numbers between  $\frac{2}{7}$  and  $\frac{3}{5}$

3. Insert 9 rational numbers between 0 and 0.1

4. Find 10 rational numbers between  $\frac{-2}{3}$  and  $\frac{1}{4}$

5. Express the following in the form  $\frac{p}{q}$  where p and q are integers and  $q \neq 0$

(i)  $23.\overline{43}$  (ii)  $5.\overline{2}$

(iii)  $0.1\overline{34}$

(iv) 0.97

(v)  $0.3\overline{2}$

6. Find two Irrational numbers between 0.5 and 0.55

7. Simplify the following by rationalizing the denominator.

(i)  $\frac{1}{\sqrt{7}-\sqrt{6}}$  (ii)  $\frac{1}{7+3\sqrt{2}}$

(iii)  $\frac{2}{3\sqrt{3}}$

(iv)  $\frac{\sqrt{40}}{\sqrt{3}}$

(v)  $\frac{3+\sqrt{2}}{4\sqrt{2}}$  (vi)  $\frac{3\sqrt{5}+\sqrt{3}}{\sqrt{5}-\sqrt{3}}$

8. Give an example each of two irrational numbers whose

(i) difference is a rational number

(ii) difference is an irrational number

(iii) product is a rational number

9. Simplify and evaluate : (i)  $2^{\frac{2}{3}} \cdot 2^{\frac{1}{5}}$

(ii)  $\left(\frac{1}{3^3}\right)^{-1}$

(iii)  $81^{\frac{3}{4}}$

10. Find the value of 'a' and 'b' if  $\frac{5+2\sqrt{3}}{7+4\sqrt{3}} = a + b\sqrt{3}$

विषय : हिंदी

ग्रीष्मकालीन कार्य

प्रश्न १ : 'मनोरंजन के आधुनिक साधन' विषय पर २०-२५ लाइन में अनुच्छेद लिखिए ।

प्रश्न २: 'यदि मैं प्रधानमंत्री बन जाऊं' विषय पर निबंध लिखिए ।

प्रश्न ३: 'जरूरत के अनुसार ही पैसे खर्च करने चाहिए' इस विचार को समझाते हुए अपने मित्र को पत्र लिखिए।

प्रश्न ४: 'दुख का अधिकार' पाठ से आपको पसंद हो ऐसे तीन प्रश्नों के उत्तर लिखिए ।

प्रश्न ५: रैदास के पदों की तरह किन्हीं दो भक्ति गीत या पद ढूँढकर लिखिए ।

प्रश्न ६ : निम्नलिखित परिच्छेद को पढ़कर नीचे दिए प्रश्नों के उत्तर लिखिए :

जीवन में साहित्य की उपयोगिता अनिवार्य है। साहित्य मानव जीवन को वाणी देने के साथ समाज का पथ-प्रदर्शन भी करता है। उपयोगिता की दृष्टि से देखें तो साहित्य के अध्ययन से अनेक लाभ हैं। साहित्य मानव जीवन के अतीत का ज्ञान कराता है, वर्तमान का यथार्थ चित्रण करता है और भविष्य के निर्माण की प्रेरणा देता है। प्रत्येक आनेवाला युग और समाज इससे प्रेरणा लेता है। साहित्य ही हमें मनुष्य की कोटि में बनाए रखता है। किसी समाज का साहित्य क्षीण होने लगे तो वह समाज भी रसातल को चला जाता है। साहित्य समाज के साथ कार्य करते हुए भी समाज के लिए प्रकाश के स्तंभ का कार्य करता है। साहित्य का आलोक पुंज सूर्य की भांति समाज के समस्त विकारों का हरण करता है, तभी वह सत् साहित्य कहलाता है।

प्रश्न: (१) साहित्य के अध्ययन से क्या लाभ होता है?

(२) सत् साहित्य किसे कहा जा सकता है?

(३) साहित्य क्या कार्य करता है?

(४) कोई समाज कब रसातल को चला जाता है?

(५) तीनों कालों के संदर्भ में साहित्य का कार्य क्या है?

(६) इस परिच्छेद को उचित शीर्षक दीजिए।

**Note:**

1. It is mandatory to do all these activities.
2. Remember to write your name, Roll No, Class and Section on everything you make.

- 3.** For English and Hindi writings and revision of tables, maintain a three – in – one notebook and make sure your parents check it everyday.
- 4.** Compose a good poem in English and Hindi and write it English & Hindi NB (Try to do it yourself, you can take your elders help)
- 5.** Do not bring Holiday Homework on the very first day. Dates to bring Holiday HW of different subjects will be given to you later.