

# पी एमश्रीकेन्द्रीय विद्यालय जमालपुर

सत्र2023 2024

## शरदावकाशगृहकार्यकक्षा - नवम्

- (1) 'दोबैलोंकीकथा' केप्रश्नोत्तरयादकरकेलिखेंगे।
- (2) माखनलाल चतुर्वेदी एवं सुमित्रानंदन पंत की दो-दोकविताएं लिखकर लायेंगे।
- (3) अर्थकेआधारपरवाक्यकेभेदयादकरेंगेतथा उनके पाँच पाँच उदाहरणप्रस्तुत करेंगे।
- (4) समासकीएवंउसकेसभीभेदों कीपरिभाषालिखेंगेएवंउनकेपांचपांचउदाहरणप्रस्तुत करेंगे।
- (5) अनुप्रास, यमक एवं उपमा के तीन-तीन उदाहरण लिखकर लायेंगे।
- (6) अपनीपसंदसेकोईएकलघुकथालिखेंगे।
- (7) मित्रकोकक्षामें प्रथमआनेपरउसेबधाईदेते हुए एकपत्रलिखेंगे।
- (8) 'मेरेसंगकीऔरते' पाठकेप्रश्नोत्तरयादकरेंगेऔरलिखेंगे।
- (9) 'मानव जीवन में त्योहार का महत्व' विषय पर एक अनुच्छेद लिखेंगे।
- (10) कबीर की सभी सखियां अर्थ सहित लिखेंगे।

कक्षा-नवम

विषय-हिंदी

1. कैदी और कोकिला पाठ का सार लिखें।
2. दशहरा पर निबंध लिखें।
3. अपने क्षेत्र में होने वाले चोरी की घटनाओं को बताते हुए क्षेत्र के थाना अध्यक्ष को पत्र लिखें।
4. अनुप्रास, यमक, रूपक एवं उपमा अलंकार के कुछ उदाहरण लिखें।
5. प्रेमचंद के विषय में कुछ जानकारी प्राप्त करें एवं लिखें ।

Subject –English

Class - 9

Q. 1. Revise the syllabus of Periodic Test 3 provided in the Whatsapp group.

Q. 2. Write a report for your school magazine on Blood Donation Camp organised in your school.

Q. 3. Write the summary of The Seven Ages along with all the figures of speech used in the poem.

Q.4. **Write the factual description of Albert Einstein using the given hints in 100-120 words**

Hints: Born: 14<sup>th</sup> March, 1879, Ulm, Germany – migrated to USA in 1933 after Nazi takeover of Germany – won Noble prize for theory of relativity- warned Roosevelt about destructive power of atom bomb- deeply shaken after bombing of Hiroshima and Nagasaki- advocated for world government – true world citizen

### Homework for Autumn Break (23-24)

Class – IXB

Subject - Mathematics

(1) Write five Mathematics activities in Maths practical copy. (Activities send to your class group)

(2) Prepare only one portfolio in the given topic:-

Quadrilateral

Circle

Heron's formula

Surface areas and volumes

Statistics

Probability

(3) Solve:-

Topic	Exercise	Question number
Quadrilateral	8.1	1, 6, 10
	10.1	1, 2
	10.2	1,2

Solve in separate note book.(Rs 10 wala)

\*Physics-

1.To study the process of evaporation.

2. To find the velocity of a free falling stone from the roof of your house.

\*Chemistry-

1. Preparation of true solution , suspension and colloid.
2. To determine the boiling point of water.
3. To Separate the component from the mixture of sand ,salt and ammonium chloride by sublimation.

\*Biology-

1. To study the compound microscope.
2. To study the cell of onion peel.
3. To study the plant and animal cell and label its parts.

CLASS IX

SOCIAL SCIENCE

1. Describe the main causes of French revolution.

फ्रांस की क्रांति के प्रमुख कारणों की व्याख्या कीजिए।

2. What steps were taken to improve the condition of factory workers and peasants in Russia after the Civil war?

रूस में गृह युद्ध के बाद कारखाना कामगारों और किसानों की स्थिति में सुधार के लिए क्या कदम उठाए गए?

3. Why did the Tsarist autocracy collapse in 1917?

1917 में जार का शासन क्यों खत्म हो गया?

4. The central location of India at the head of the Indian Ocean is considered of great significance. Why?

हिंद महासागर में भारत की केंद्रीय स्थिति से इसे किस प्रकार लाभ प्राप्त हुआ है?

5. Describe the parallel ranges of Himalayas.

हिमालय की समानांतर श्रेणियों का वर्णन कीजिए।

6. Give an account of weather conditions and characteristics of the Cold weather season.

शीत ऋतु की दशाओं और विशेषताओं पर प्रकाश डालिए।

7. Mention some essential features of Democracy.

लोकतंत्र की आवश्यक विशेषताओं का उल्लेख कीजिए।

8. What do you mean by Election? Why is it needed in a democracy?

चुनाव से आप क्या समझते हैं? लोकतंत्र में चुनाव क्यों आवश्यक है?

9. What is the aim of production? State any four requirements for production.

उत्पादन का क्या उद्देश्य है? उत्पादन के लिए चार आवश्यकताओं का उल्लेख कीजिए।

10. Describe different types of Unemployment found in India.

भारत में पाई जाने वाली विभिन्न प्रकार की बेरोजगारी का वर्णन कीजिए।

11. Outline map of France locate the following - i) Bordeaux ii) Nantes

Outline map of India locate the following

i) K2 mountain peak ii) Standard Meridian

iii) Godavari River

CLASS – 09<sup>th</sup> ( 2023 – 24 )

#### AUTUMN BREAK HOMEWORK

1. How does the force of gravitation between two objects change when the distance between them is reduced to half ?
2. Gravitational force acts on all objects in proportion to their masses. Why then, a heavy object does not fall faster than a light object?
3. What is the magnitude of the gravitational force between the earth and a 1 kg object on its surface? (Mass of the earth is  $6 \times 10^{24}$  kg and radius of the earth is  $6.4 \times 10^6$  m.)
4. The earth and the moon are attracted to each other by gravitational force. Does the earth attract the moon with a force that is greater or smaller or the same as the force with which the moon attracts the earth? Why?
5. If the moon attracts the earth, why does the earth not move towards the moon?
6. What happens to the force between two objects, if (i) the mass of one object is doubled? (ii) the distance between the objects is doubled and tripled? (iii) the masses of both objects are doubled?

7. What is the importance of universal law of gravitation?
8. What is the acceleration of free fall?
9. What do we call the gravitational force between the earth and an object? 10. Amit buys few grams of gold at the poles as per the instruction of one of his friends. He hands over the same when he meets him at the equator. Will the friend agree with the weight of gold bought? If not, why? [Hint: The value of  $g$  is greater at the poles than at the equator.]
11. Why will a sheet of paper fall slower than one that is crumpled into a ball? 12. Gravitational force on the surface of the moon is only  $\frac{1}{6}$  as strong as gravitational force on the earth. What is the weight in newtons of a 10 kg object on the moon and on the earth?
13. A ball is thrown vertically upwards with a velocity of 49 m/s. Calculate (i) the maximum height to which it rises, (ii) the total time it takes to return to the surface of the earth.
14. A stone is released from the top of a tower of height 19.6 m. Calculate its final velocity just before touching the ground.
15. A stone is thrown vertically upward with an initial velocity of 40 m/s. Taking  $g = 10 \text{ m/s}^2$ , find the maximum height reached by the stone. What is the net displacement and the total distance covered by the stone?
16. Calculate the force of gravitation between the earth and the Sun, given that the mass of the earth =  $6 \times 10^{24} \text{ kg}$  and of the Sun =  $2 \times 10^{30} \text{ kg}$ . The average distance between the two is  $1.5 \times 10^{11} \text{ m}$ .
17. A stone is allowed to fall from the top of a tower 100 m high and at the same time another stone is projected vertically upwards from the ground with a velocity of 25 m/s. Calculate when and where the two stones will meet.
18. A ball thrown up vertically returns to the thrower after 6 s. Find (a) the velocity with which it was thrown up, (b) the maximum height it reaches, and (c) its position after 4 s.

भारत  
एन अभियान  
क्या की  
मास-  
की प्राप्ति  
दी क्या  
प्राप्ति

Autumn IX A (maths) Home Work  
classmate  
Date \_\_\_\_\_  
Page \_\_\_\_\_

EX - 10.2

Q.N - 1, 2

EX - 10.4

Q.N - 3, 5, 6

EX - 10.5

Q.N - 2, 4, 6, 7, 10, 11, 12

Five HOTS Questions from  
Circles.

~~Copied~~  
19/10/23

