D.A.V. PUBLIC SCHOOL

Sector- VI, Dwarka, New Delhi -110075

Holiday Homework
Class-VIII

__ENGLISH__

Q1.Read the poem carefully:

School of Fantasy

I am a boy from a very nice school
And you'll see why it's so cool
There are no teachers but just books
More than books it has good looks
You get many prizes
In different sizes
It all depends on your will
And most of all on your skill
All this and more
Is really in store
For all the rest
As this school is the best
There are no examinations
All they want is your imagination
Your many creations
Are their expectations
I am having such an experience
In this superb institution
I like to share it with you all
This place is o nice
It's just a kid's paradise

Q1.1 Complete the summary of the poem:

Rachit's school of (i) _____ is very interesting. It's a (ii) _____ school because it lacks (iii) _____ but is rich in books and (iv) _____. A student here can (v) _____ many prizes depending on his (vi) _____ and (vii) _____ The only qualification required here is (viii) _____. The best thing is that you don't have to sit for any (ix) _____. This superb institution just wants you to be (x) _____.

Q1.2 Answer the following:

(i) The poet used several expressions to say that school is very good e.g. a very nice school. Find out two others in the poem.

(a) _____ (b) _____

(ii) "All they want is your imagination". Here 'they' refers to whom?

(a) authorities

(b) teachers

(c) students

(d) none of the above

(iii) How do you think the school described here encourages its students to excel in the field of their liking?

(a) by not studying other subjects

(b) by studying only the subject of their liking

(c) by giving them the incentive of awards

Q1.3 Find the synonyms for:

(i)   heaven _____
(ii)   learning academy _____
(iii)   talent _____
(iv)   something that is made by someone _____

Q2. Daily you come across news of growing violence, crimes against women, kidnappings. Even young children are not spared. Write a letter to the Editor of a National Daily expressing your concern about the deteriorating situation and also give some suggestions in about 120 words.

Q3. Write a letter to the Editor of a newspaper drawing attention to the insanitary condition of the City Bazaar.

Q4. You are Nivedita Jain. Your younger sister has badly hurt herself while playing in the park. You are taking her to the doctor. Your mother is not at home. You have locked the house and handed over the keys to your neighbour. Write a message for your mother to come to the clinic along with some money.

Q5. Read the following telephone conversation:

Ganesh : This is 65433.

Mahesh: I am Mahesh. Could I talk to Rajesh, please?

Ganesh: Sorry, Rajesh is not at home. If you have any message, please give it to

me.

Mahesh: Please tell him that my friends and I are leaving for Mussoorie tonight in a Tata Safari. Rajesh also intended to accompany us. Tell him to join us. Also ask him to ring me before 7 p.m.

Ganesh: Rajesh is expected to be back within half an hour. I shall definitely give your message as soon as he comes. Have a nice time.

Mahesh: Thank you very much. Bye! Now, Ganesh writes the message lest he should forget.

Write that message for Rajesh in about 50 words and put it in a box.

Q6. In the sentences given below one word has been omitted in each line. Write the missing word along with the word that comes before it and the word that comes after it against the correct blank number:

Listening intently someone	intently	to	someone
(i) one of the best ways	_____		
(ii) to honour person and	_____		
(iii) forge deep human connection,	_____		
(iv) but only a few of us are good listening.	_____		
(v) Most people‟s idea listening is	_____		
(vi) waiting until the other person	_____		
(vii) finished speaking answering.	_____		
(viii) The fact is, one person is talking,	_____		

most of us are rehearsing our replies.

Q7. Look at the words and phrases below. Rearrange them to form meaningful sentences. Write the correct sentences in your answer-sheet.

doing / extremely complicated / capable of / computers / are / work

Example : Computers are capable of doing extremely complicated work.

(a) most complex / mathematical / problems / can solve / they

(b) can put / they / unrelated data / thousands / of / in order

(c) varied uses / can be put / computers / to

(d) no time / in / problems / they solve / complicated.

Q8.Answer the following questions briefly:

(i)What impression do you form of William Morris?

(ii)Do you think the lady had accidentally dropped the paper in which her brooch was

wrapped ?If not, why did she do so?

(iii)Read the extract and answer the following questions that follow:

'Whose hands have cherished,'

(a)Name the poem and the poet?

(b)Whose hands are being referred to?

(c)Discuss the importance of the these hands in the development of human race.

Q9. Imagine yourself to be the American. Write a diary entry relating how the jeweller's

vigilant assistant failed your well-made plan to steal the ring.

HINDI

प्र.1 संधि अथवा संधि विच्छेद कीजिए---

1. शिव + आलय =		12. सदैव =
2. चंद्र + उदय =		13. परि+नाम =
3. महा + उत्सव =		14. प्रमाण =
4. इति + आदि =		15. सच्चरित्र =
5. प्रति+ एक =		16. उज्ज्वल =
6. दिग्दर्शन =		17.अनुच्छेद =
7. भानूदय =		18.उन्नति =
8. शैशवावस्था =		19.तन्मय =
9. आनंदोत्सव =		20.उमेश =
10. उल्लास =		21.भगवद्गीता =
11. प्रत्येक =		22.पित्रागमन =

प्र.2 पर्यायवाची शब्द लिखिए-

1.पृथ्वी-   7.स्त्री-

2.जल-   8.संध्या-

3.आकाश-   9.सूर्य-

4.आग-   10.चंद्र-

5.वन-   11.हवा-

6.वर्षा-

प्र.3 विग्रह करके समास का नाम लिखिए-

1.भरपेट-   7.देश-विदेश-

2.रातोंरात-   8.पीतांबर-

3.यथासमय-   9.गजानन-

4.नीलकंठ-   10.तिरंगा-

5.पीतांबर-   11.चौराहा-

6.प्राणप्रिय-

प्र.4 विलोम शब्द लिखिए-

1.बंजर-   6.शाश्वत-

2.मान-   7.आदि-

3.सदभावना-   8.यश-

4.निश्चित-   9.साकार-

5.कटु-   10.जड़-

प्र.5 विशेषण बनाइए-

1.नागपुर-

2.ऋण -

3.ग्राम-

4.बेचना-

5.चतुरता-

6.आदर-

प्र.6 मुहावरों के अर्थ लिखकर वाक्यों में प्रयोग कीजिए-

1. नाक वाला होना-
2. दंग रह जाना-
3. चरण चूमना-
4. घाव हरा होना-
5. नाम को धब्बा लगना-
6. तिल का ताड़ बनाना-
7-. चरण चूमना-
8. दोनों हाथों में लड्डू होना-

प्र.7. दहेज लेना और देना अभिशाप है-इस विषय पर एक विज्ञापन बनाइए-

प्र. 8 निम्नलिखित पंक्तियाँ जिन पाठों से ली गई हैं उनके लेखक/लेखिका/कवि का नाम तथा पाठ का नाम लिखिए।

१. परिश्रम करने से कभी हानि नहीं होती ,यह उसके परिवार का मूलमंत्र था।

२. नदी किसकी है, पता नहीं है तो उसमें से पानी कैसे ले सकते हो?

३. अब चाहे कुछ भी हो जाए, हम हिलकर पानी भी नहीं पीएँगे।

४. एक दिन एक नवविवाहिता स्त्री ने रेडियो खोला ।

५. मैया कबहिं बढ़ैगी चोटी।

६. जो हमारी बहन है क्या वह आपकी कोई नहीं है?

७. मेरे बैठे रहने पर वह साड़ी का छोर मुँह में भर लेती और कभी पीछे चुपचाप खड़े होकर चोटी ही चबा डालती।

८. ज़िंदा रहने के कठिन जतन में पाँव बढ़ाए आगे जाता।

९. ये मक्खियाँ हमें सज़ा देती हैं हमारे गुणों के लिए।

MATHS

Q 1. Solve : (i) $\frac{(2x+3)(5x-7)}{(6x+11)} = \frac{-8}{3}$

(ii) $\frac{1}{x+1} + \frac{1}{x+2} = \frac{2}{x+10}$

(iii) $\frac{x+3}{2} + 3x = \frac{5}{2}(x-3)$

(iv) $\frac{x^2+(x+2)(x-2)}{x+1} = 2x$

Q 2. Evaluate : (i) $27^{\frac{2}{3}} \div 27^{\frac{1}{3}} \times 27^{\frac{-4}{3}}$

(ii) $8^{\frac{2}{3}} \times 8^{\frac{1}{3}-y} \times 2^{3y} \times 8^{\frac{-4}{3}}$

(iii) $\frac{1}{12}\left[\frac{49^{\frac{9}{2}} - 49^{\frac{7}{2}}}{49^{\frac{5}{2}}}\right]$

Q 3. Find the value of x : $\left(\frac{-3}{2}\right)^{\frac{-7}{2}} \left[\left(\frac{-3}{2}\right)^{\frac{5}{6}} \div \left(\frac{-3}{2}\right)^{\frac{-1}{6}}\right] = \left(\frac{-3}{2}\right)^{5-x}$

Q 4. A motorboat covers a certain distance downstream in a river in 8 hrs. It covers the same distance upstream in 10 hrs . If the speed of boat in still water is 18 km/hr, find the speed of water and the distance between two cities.

Q 5. The ages of Ramesh and Rahim are in the ratio of 5:7. If Ramesh was 9 years older and Rahim 9 years younger, the age of Ramesh would have been twice the age of Rahim. Find their ages.

Q 6. Three prizes are to be distributed in a quiz contest . Value of 2nd prize is five-sixths the value of first prize and value of third prize is four-fifths that of the 2nd prize. If the total value of three prizes is Rs. 150 , find the value of each prize.

Q 7 . Mr. Tiwari obtained a loan of Rs. 50,000 from Union Bank of India. After 3 years he paid Rs. 86,400 . Find the rate of interest , if the interest is compounded annually.

Q 8. Reena borrowed from Kamal certain sum for two years at simple interest. Reena lent thissum to Hamid at the same rate for two years compound interest . At the end ,she received Rs. 110 as compound interest but paid Rs. 100 as simple interest. Find the sum and the rate of interest.

Q.9.The length of rectangle exceeds its breadth by 4 cm.If length and breadth are each increased by 3cm,the area of the new rectangle will be 81 cm^2 more than that of the given rectangle. Find the length and breadth of the given rectangle.

Q 10 .The sum of three consecutive multiples of 8 is 888.Find the multiples.

Q 11.The difference between the simple and the compound interest on a certain sum of money at 15% per annum for 3 years is Rs 283.50 when the interest is compounded annually. Find the sum.

Q 12.In what time will Rs 5,400 amount to Rs 6,773.76 at 12% per annum, compounded annually.

Q13.The present value of a mobile phone is Rs 20,00 and it depreciates at the ratio of 5% in first year and 10% every next year. Find the value of this mobile phone after 2 years.

Q 14. PQRS is a rectangle .SN and QM are perpendiculars from S and Q respectively on PR. Prove that   (i) $\Delta QMR \cong \Delta SNP$ (ii)   SN =QM

Q 15. Using factor method ,divide the polynomial 6x +x^2-7 by x-1.

Q16.Find quotient and remainder when polynomial -6x^4 + 5x^2 + 11x +1 is divided by 2x^2 +1.

Q 17. Using division , find whether (1 + 4x) is a factor of 8x^3 +10x – 6x^2 +3.

Q 18. Divide $(-20x^2 +21x + 7)$ by $(-5x +4)$

Q 19. A bag has 5 blue cards , 2 orange cards and 4 red cards . A card is drawn from the bag without looking into the bag. What is the probability of getting

(i) a red card (ii) a non-blue card

Q 20. Draw a pie chart. The table shows the colours preferred by a group of people.

Colour	Blue	Green	Red	Yellow	Other
No. of people	15	12	9	6	3

SCIENCE

Do the following given sample question paper on A4 sheets.

Section – A (Physics)
Q1 Choose the correct answer   (1 x 4=4)

(i) A ball is rolled on different surfaces. Where will friction be the least?
a) grass b) sand paper c) marble floor d) wooden floor

(ii) Which of the following friction is maximum :
a)   static friction b) sliding friction c) rolling friction
d) fluid friction
(iii) Sound can travel through :
a) gases only b) solids only c) liquids only
d) solids , liquids and gases.

(iv) Which of the following cannot be charged by friction
a)   plastic scale b) copper rod c) inflated balloon d) woollen cloth

Q2 Give one word for the following: (1x4=4)

a)The frictional force exerted by fluids
b) The unit used to express frequency of sound waves
c) An animal that can hear ultrasonic sound waves
d) An instrument used to detect whether a body is charged or not:

Q3 Give reasons: (2x2=4)
A crackling sound is heard while taking off a sweater during winters.
   a) Sports men use shoes with spikes

Section – B (Chemistry)

Q1. Choose and write the correct option: (1×4 = 4)
a) Acid rain is caused by oxides of (Sulphur, Nitrogen (ii) Sulphur, Carbon
(iii) Carbon, Nitrogen (iv) Phosphorous, Carbon

b) The force that is responsible for the rotation of planets around the sun
  (i)   Magnetic force (ii) Nuclear force
  (ii)   Gravitational force (iv) Electrostatic force

c) The brightest planet that is visible to the naked eye is
 (i) Jupiter (ii) Venus (iii) Mars (iv) Neptune
 d) Which of the following affect(s) the ozone layer?
  (i)   Carbon dioxide (ii) CFCs (iii) Soot (iv) Dust

Q2 Give the one word / name / example   (1×4 = 4)
Name the process of slow conversion of wood to coal
b) The decreasing size of the moon from a full moon to new moon
c) This planet is also called red planet
d) Water fit for drinking

Q3 Give reasons: (2×2 = 4)
a) Petrol does not catch fire on its own at room temperature
b) A paper cup containing water does not burn when placed over a flame

Q4 Answer the following questions: (2×2 = 4)
   a) Explain how carbon dioxide is able to control fires.
   b) Explain 'Greenhouse effect'.
   c) Q5. Answer the following questions   (3×3 = 9)
   d) Mention three advantages of gaseous fuels over solid or liquid fuels.
   e) b) Why is earth considered a unique planet of the solar system?
   f) c) What is water pollution? How do industries cause water pollution? Name two
      diseases caused by pollution of water.
   g) Q6. Long Answer Questions: 5
   h) What is light year? Why is the distance of stars from the earth measured in light
      years and not in kilometres?
   i) b) Calculate the value of one light year in kilometres.

Section – C (Biology)

Q.1 Choose the correct option   (1x4=4)

   i)   _____is a rabi crop.

      (a) wheat (b) maize (c) cotton (d) paddy

ii) Which is the modern system of irrigation?

      a) dhekli   b) rahat   c) sprinkler   d) moat

iii) Which of the following micro-organism has the ability to fix nitrogen?

      a)   Virus   b) Euglena   c) Rhizobium   d) Amoeba
       iv) Malaria is caused by
       a) virus b) bacteria c) protozoa d) fungi

Q.2 Name/Give one word/Example for the following: (1x4=4)

       a) Carrier of parasite of dengue.
       b) A microorganism that forms a link between living and nonliving.
       c) Chemicals used to control weeds.
       d) Organic substance obtained from the decomposition of plants and animals.

Q.3 Give reason   (2x2=4)

   a) Continuous growing of crops in same field is not advisable.
   b) Microorganisms can render food harmful

Q.4 Answer the following   (2x2=4)
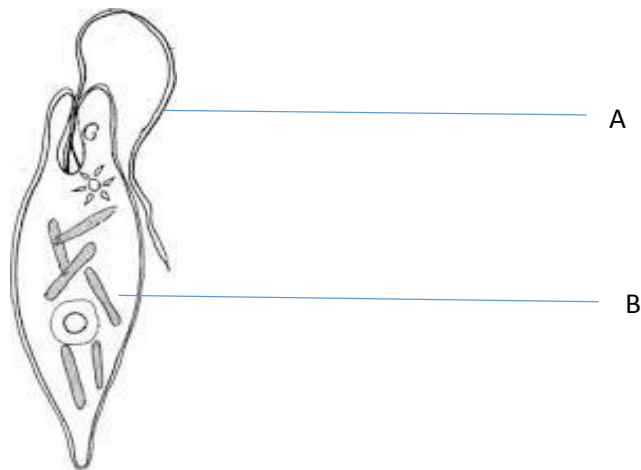
   a) Why should the grains be dried before storage?

   b) Explain how does a vaccine work

Q.5 a) Name the two diseases caused in animals by microorganisms.   (3x3=9)

   b) Who discovered the vaccine for small pox?
   c)   Observe the diagram and answer the questions given below:

   i)   Identify the microorganism and name the major group under which it is placed.

ii) Label part A and B.

c) Explain the drip system of irrigation. Draw a diagram to support your answer

Q6 i) Why should the farmers not burn the stubs left after harvesting in the fields. (2)

ii) Draw a neat diagram of the nitrogen cycle.   (3)

SOCIAL SCIENCE

1.Explain the geographical conditions required for the cultivation of the following:

a. rice   b. maize

c. tea   d. coffee   e. wheat

2 Write two examples of fibrous crop.

3 What is the full form of GM crop? Also write its advantages and disadvantages.

4 Explain the following terms:

a. Agriculture   b. subsistence agriculture   c. Nomadic herding

d. Mixed farming   e. crop specialization   f. extensive agriculture

5 Draw a flow chart on different types of agriculture

6.Explain the importance of agriculture.

7.Explain the factors that affect agriculture.

8.What is biotechnology? Mention its advantages.

9. Compare the agriculture farm in USA with the farm in India.

संस्कृतम्

॥ अपठित–गद्यांशः ॥

अधोलिखितौ गद्यांशौ पठित्वा प्रश्नानाम् उत्तराणि लिखतः :-

(1)

एकस्मिन् सरोवरे बहवः मत्स्याः वसन्ति स्म । सरोवरस्य तीरे द्वौ हंसौ कच्छपः च वसन्ति स्म । एकदा केचन मत्स्यजीविनः तत्र आगच्छन् । सरोवरं दृष्ट्वा ते परस्परम् अवदन् – अत्र तु बहवः मत्स्याः कच्छपाः च सन्ति । एकः मत्स्यजीवी- अहं श्वः अत्र अवश्यम् एव आगमिष्यामि । द्वितीयः - अहम् अपि आगमिष्यामि । तृतीयः – आम् । अहम् अपि । वयं मत्स्यान् कच्छपं च जालेन बद्ध्वा नेष्यामः । कच्छपः तेषां वार्तां श्रुत्वा भयभीतः भवति ।

(क) एकपदेन उत्तरतु -

1. एकस्मिन् सरोवरे के वसन्ति स्म ?

2. कः वार्तां श्रुत्वा भयभीतः भवति ?

(ख) पूर्णवाक्येन उत्तरतु -

1. सरोवरं दृष्ट्वा ते परस्परम् किम् अवदन् ?

(ग) निर्देशानुसारम् उत्तरतु -

1. "अत्र तु बहवः मत्स्याः कच्छपाः च सन्ति" – अस्मिन् वाक्ये किम् अव्ययपदम् ?

2. 'दृष्ट्वा' इति पदे कः प्रत्ययः ?

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(2)

एकः व्यापारी व्यापारार्थम् एकं नगरम् अगच्छत् । सः टोपिकानां विक्रयं करोति स्म । सः विश्रामाय एकस्य वृक्षस्य अधः शयनं करोति । एकः वानरः आगत्य टोपिकां नीत्वा वृक्षम् आरोहत् । यदा सः व्यापारी उत्तिष्ठति तदा स्वस्य टोपिकां न पश्यति । तदैव सः पश्यति यत् एकः वानरः तस्य टोपिकां धृत्वा वृक्षे तिष्ठति । तदा व्यापारी चिन्तयित्वा स्वटोपिकां भूमौ क्षिपति । वानरः अपि स्वटोपिकां क्षिपति ।

(क) एकपदेन उत्तरतु -

1. कः व्यापारार्थम् एकं नगरम् अगच्छत् ?

2. कः टोपिकां वृक्षे नयति?

(ख) पूर्णवाक्येन उत्तरतु -

1. व्यापारी चिन्तयित्वा किं करोति ?

(ग) निर्देशानुसारम् उत्तरतु -

1. "एकः वानरः" अत्र किम् विशेष्यपदम्?

2. 'चिन्तयित्वा' इति पदे कः प्रत्ययः ?

_____

_____

॥ पत्रलेखनम् ॥

(1)

भवतः मित्रम् आदर्शः सप्तमी पत्रं लिखतु।-कक्षायां प्रथमं स्थानं प्राप्तवान्। तस्मै एकं वर्धापन-

)मञ्जूषायाः सहायतया रिक्तस्थानानि पूरयतु (–

)1..... (.............

नवदेहलीतः

तिथिः....10.08.2015....

प्रियमित्र (2) ....!

नमो नमः।

अत्र (3) .... तत्रास्तु। भवतः पत्रं (4) .... ज्ञातं यत् भवान् वार्षिकपरीक्षायां प्रथमं (5) .... प्राप्तवान्। एतत् (6) .... मम मनः प्रसन्नम् (7) ....। भवतः परिश्रमस्य एव फलम् एतत्। भवान् उत्तरोत्तरं सफलतां प्राप्नोतु इति मम (8) ....। भवतः मातृपितृ) चरणेषु मम-9........ (.............।

<div align="right">भवतः मित्रम्)10........ (.............</div>

मञ्जूषा कु -शालं, द्वारका, पठित्वा, आदर्शं, अभवत्, स्थानं, श्रुत्वा, आदित्यः, प्रणामाः, शुभकामना।

॥ चित्रवर्णनम् ॥

(1)

➢ मञ्जूषायाः सहायतया दश वाक्यैः चित्रवर्णनं करोतु –

मञ्जूषा ,कुटीराः ,उभयतः ,तरतः ,जलकुक्कुटाः ,विकसन्ति ,तडागः ,बलीवर्दौ ,शकटिः ,ग्रामः – मनोहरम् ,कुसुमानि

(2)

➤ मञ्जूषायाः सहायतया दश वाक्यैः चित्रवर्णनं करोतु –

मञ्जूषासम्मर्दः ,जनाः ,भ्रमणं ,वस्तूनि ,वृक्षाः ,गृहाणि ,दृश्यम् ,पर्वतः ,रमणीयम् ,झुल्लिकाः ,मेलकम् –

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