

# MANAV STHALI SCHOOL

NEW DELHI

## HOLIDAY HOMEWORK : CLASS - IX

2009-2010

ENGLISH

**M.M: 25**

- Q1. You are Anil/Aakriti. Read the given information. Using given ideas, your ideas and ideas from the MCB unit on 'tournament', Write an article on the topic 'Conserve Water'. (5)

### **Tips to conserve Water in daily use**

- Defective tap should be rectified to minimise the loss.
- Turn off the tap while brushing teeth.
- Wash your vehicle with a bucket and not with a water pipe.
- Conserve village ponds and create new ones.
- Wash vegetable and fruits in a bowl. Use the dirty water for irrigating plants.
- Lawns need only 2 or 3 cm of water and can be watered only between 3 and 5 days a week. Daily watering results in shallow roots.
- Install new stems that use less water



- Q.2 Newspapers have always been a profound source of providing us important information. So, being a regular reader of the newspaper. Collect any two interesting -

- a) articles
- b) pamphlets
- c) reports
- d) advertisements
- e) Notices

Put them all in your scrap file. (5)

- Q.3 You are Amit/Sonia. Look at the given visual. Using ideas from it, from your MCB unit on 'Environment' and your own ideas, write a speech on what you can do to keep the environment healthy. (5)


P.T.O

**Ensure consumer rights to healthy environment as against**

**air pollution-water pollution-noise pollution**

Look for products/brands which satisfy the criteria for

Ecomark 

**Complain to**

- Consumer group
- Pollution Control Board

**What you can do**

- Prevent discharge of effluents into rivers
- Sue energy efficient products
- Use renewable energy such as solar and wind energy
- Prevent waste of water
- Harvest rain water
- Use unleaded petrol
- Use biodegradable pack-aging material

For all your consumer related information and guidance : Call toll free National Consumer helpline  
No. 1800-11-4000 (from BSNL/MTNL Lines, Monday to Saturday 9:30 am to 5:30 pm) or log onto : [www.cone.nic.in](http://www.cone.nic.in) or write to : P.O. Box No. 3306, New Delhi-110014 for consumer information

An initiative by the Ministry of Consumer Affairs, Food and Public Distribution, Department of Consumer Affairs, Govt. of India  
Log on to website : [fcamin.nic.in](http://fcamin.nic.in)

**Catch Consumer Awareness programme on every Sunday at 10 am on Doordarshan**  
*Courtesy—Consumer Education Research Center, Ahmedabad*

**ASSERT RIGHTS. PURSUE REMEDIES**

Q.4 Although education has helped man to become not only modernised and broadminded. But, still behind the scene, many of us are still prone to various superstitions. Mention a superstitious belief that are still prevalent in the Indian Society and what role you can play to eradicate them from the society. (5)

Q.5 During your summer break you want to have your close friend spend a few days with you and also join the 'Eureka Camp' for eight days. So, write a letter to your friend on a postcard writing him or her to have a lifetime thrilling experience. Make sure you paste the same post-card in your scrap file that you receive from your friend. (5)

Note:

- 1) All the questions to be done in the scrap file.
- 2) Each questions carries equal marks 5 each.
- 3) Make your scrap file as description and attractive as possible.

**GERMAN****Q.1 Antworten Sie mit Ja/Nein?Doch!**

1. Kommst du heute abend nicht? \_\_\_\_, ich habe leider keine Zeit.
2. Ist das Ihr Sohn? \_\_\_\_, John heißt er.
3. Spielen die Mädchen Fußball? \_\_\_\_, und zwar recht gut.
4. Fängt der Unterricht gleichan? \_\_\_\_, wir haben noch viel Zeit.
5. Wohnst du in Deutschland? \_\_\_\_, seit Jahren.
6. Verstehst du kein Deutsch? \_\_\_\_, fast alles.

**Q.2 Berufe : Silbenrätsel**

(6)

Wie heißen die Berufe?

		männlich	weiblich
1.	BE - TER - GLEI - FLUG	Flugbegleiter	Flubegleiterin
2.	GRAF - FO - TO		
3.	RER - KRE - SE		
4.	RER - XI - FAH - TA		
5.	KA - MANN - RA - ME		
6.	FO - MO - TO - DELL		
7.	SCHAU - LER - SPIE		
8.	AU - TO - CHA - KER - ME - NI		
9.	NER - KELL		
10.	LIST - NA - JOUR		
11.	HEL - FER - ARZT		
12.	SPIE - BALL - LER - FUSS		

**Q.3 Im Supermarkt**

Ein Wort passt nicht. Streichen Sie

- a) Salami - Wurst - Schinken
- b) Butter - Joghurt - Quark - Salami
- c) Milch - Bier - Wein - Likör
- d) Orangen - Schokolade - Bananen - Apfel
- e) Kaugummis - Salat - Kartoffein - Gemüse
- f) Brot - Kuchen - Milch - Brötchen
- g) Curry - Zucker - Salz - Pfeffer

**Q.4 Bilden Sie Fragen -**

- 1) Er mag das Mädchen.
- 2) Der Lehrer ist humorvoll.
- 3) Ich rufe meine Tante an.

- IX 4) Sie kaufen die Bücher.  
5) Ich bin's Heidi.  
6) Wir laden unsere Freunde ein.

Q.5 Schreiben Sie die Sätze richtig!

1. ein - Freund - heute - er - seinen - lädt.
2. Sommer - bekommen - Ferien - lange - wir - im.
3. gern - liest - Roman - du - einen?
4. Freund - abend - tut - was - heute - dein?
5. Herr Müller - Sätze - die - die - und - diktiert - wiederholt - Regeln.

Q.6 Schreiben Sie einen Absatz über

(5)

" Wie verbringe ich mein Sonntag." ( 8 - 10 Sätze)

## HINDI

- प्र०1 दिल्ली परिवहन निगम के अधिकारी को किसी बस-दुर्घटना से संबंधित विवरण देते हुए चालक की दिलेरी, कर्तव्यनिष्ठा और सूझबूझ की सराहना करते हुए एक पत्र लिखिए । 5
- प्र०2 किन्हीं दस मुहावरों/लोकोक्तियों का प्रयोग करते हुए पर्वतीय यात्रा का वर्णन कीजिए । 5
- प्र०3 डिस्कवरी चैनल/नैशनल ज्योग्रफिकल में से किसी एक चैनल पर दिखाए जाने वाले प्रकरण के आधार पर वन्य जीवों/जीव के विषय में रोचक विवरण लिखिए । 5
- प्र०4 रामधारी सिंह दिनकर/मैथिलीशरण गुप्त/अयोध्यासिंह उपाध्याय 'हरिऔध/जयशंकर प्रसाद आदि में किसी एक कवि द्वारा रचित कोई ओजस्वी, वीर रस से परिपूर्ण कविता संकलित करके उसका भाव स्पष्ट कीजिए । 5
- प्र०5 नीचे दिए गए चित्रों में से किसी एक चित्र को ध्यानपूर्वक देखकर उसके आधार पर एक मौलिक कहानी लिखिए । 5





### SANSKRIT

प्र०1 'विद्या ददाति विनयम्' - अस्य कथनस्य सत्यासत्य-विवेचनं कुरुत एवं एकेनोदाहरणेन स्पष्टीकुरुत-5

प्र०2 प्रथम-सत्रीय-शब्दरूपाणि, धातुरूपाणि च लिखत - कण्ठस्थीकुरुत च । 5

प्र०3 अपठितानुच्छेदं पठित्वा प्रश्नोत्तराणि यच्छत - 5

संसारे अनेकेषां दुःखानां कूलकारणम् कुसंगतिः एव । कुसंगत्या एव समाजे नाना दोषाणां जन्म भवति। कुसंगतिः विनाशकारिणी अपयशदायिनी चास्ति । कुसंगतिः जनान् पीडयति। कुसंगतिः नाशिका सत्संगतिः च पोषिका । अतः सत्संगतिः एव सदा करणीया कुसंगतिः च त्यजनीया। कुसंगत्या मानवजीवने नाना रोगाः दुर्गुणाः, अपयशः च समागच्छन्ति । ईश्वरेण मानवः सर्वश्रेष्ठः इति कृत्वा रचितः । अतः सदैव उत्तमा सङ्गतिः एव करणीया ।

1. एकपदेन उत्तरत - 0.5x2=1

क. कुसंगतिः कीदृशी अस्ति ?

ख. कया समाजे नानादोषाणां जन्म भवति ?

2. निर्देशानुसारम् उत्तरम् - 0.5x4=2

क. 'अनेकेषाम्' इति पदस्य अर्थे अनुच्छेदे किं पदं प्रयुक्तम् ?

ख. गद्यांशे 'कुसंगतः' पदस्य कः विपर्यय प्रयुक्तः ?

ग. 'भवति' इति क्रियापदस्य अनुच्छेदे कर्तृपदं किम् ?

घ. 'अनेकेषां दुःखानाम्' अनयोः पदयोः विशेषणपदं किम् ?

प्र०3 अ) निर्देशानुसारम् उत्तरत - 0.5x6=3

1. ख् ..... (कण्ठः, तालु)

2. प् ..... (ओष्ठौ, दन्ताः)

3. थ् ..... (दन्ताः, मूर्धा)

4. ओ ..... (कण्ठोष्ठम्, तालुः)

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5. य् ..... (तालुः, मूर्धा)

6. व् ..... (नासिका, दन्तोष्ठम्)

ब) वर्णविन्यासेन रिक्तस्थानं पूरयत -

0.5x2=1

1. दिव्या = द्+इ+.....+य्+आ ।

2. अष्टाध्यायी = अ+ष्+ट्+आ+ध्+य्+.....+य्+ई।

स) वर्णसंयोजनेन पदनिर्माणं क्रियताम् -

0.5x2=1

1. अ+ध्+उ+न्+आ = .....

2. प्+अ+ट्+आ+म्+इ = .....

प्र०4 एकं भारतीयं विदेशीयः मिलति । भारतीयः तस्य परिचयं पृच्छति । विदेशीय किमुत्तरं यच्छति, एतत् मञ्जूषातः वाक्यं नीत्वा प्रश्नानुसारं योग्यं उत्तरं लिखत :- 0.5x10=5

भारतीयः - त्वं कस्य देशस्य वासी ?

विदेशीयः - 1. ....

भारतीयः - नेपालस्य राजधानी का ?

विदेशीयः - 2. ....

भारतीयः - किं काठमाण्डु पर्वतीयं क्षेत्रम् ?

विदेशीयः - 3. ....

भारतीयः - अधुना त्वं कस्मिन् नगरे वससि ?

विदेशीयः - 4. ....

भारतीयः - किम् चेन्नई समुद्रतटे अस्ति ?

विदेशीयः - 5. ....

मञ्जूषा :- अहम् चेन्नई नगरे वसामि । अहं नेपालदेशवासी अस्मि । आम् तन्नगरं पर्वतीयं क्षेत्रमेव ।

काठमाण्डु-तस्य राजधानी अस्ति । आम् तन्नगरं समुद्रतटे एवास्ति ।

**MATHS**Q.1 Write Tables of 17,18,19,  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{3}{4}$ 

(3)

Q.2 Do as directed

1X8=8

a) Expand  $x^6 - y^6$ b) If  $x + y = 6, xy = 12$  then  $x^2 + y^2 =$  \_\_\_\_\_.c)  $0.45 \times 0.45 - 0.64 \times 0.64 =$  \_\_\_\_\_.d) Factors of  $x^4 - 3x^2 + 2 =$  \_\_\_\_\_.e)  $(2x + 3y)^3 - (2x - 3y)^3 =$  \_\_\_\_\_.f) Factors of  $\sqrt{3x^2} + 11x + 6\sqrt{3} =$  \_\_\_\_\_.g) Find the value of x if  $5^{x-3} \cdot 3^{2x-8} = 225$

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h) The  $\left(\frac{p}{q}\right)$  simplest form of  $0.\overline{324}$  is \_\_\_\_\_.

Q.3 Factorise  $x^2 + \frac{1}{x^2} + 2 - 2x - \frac{2}{x}$  (2)

Q.4 Find the product of  $(a-b-c)(a^2 + b^2 + c^2 + ab + ac - bc)$  (2)

Q.5 If  $x = 2y + 6$ , Find the value of  $x^3 - 8y^3 - 36xy - 216$  (2)

Q.6 Factorise  $a(a-1) - b(b-1)$  (2)

Q.7 If  $(x^3 + ax^2 + bx + 6)$  has  $(x - 2)$  as a factor and leaves a remainder 3 when divided by  $(x - 3)$ , find the values of  $a$  and  $b$ . (2)

Q.8 Prove that (4)

a) 
$$\frac{3^{-3} \times 6^2 \times \sqrt{98}}{5^2 \sqrt{\frac{1}{25}} \times (15)^{\frac{4}{3}} \times 3^{\frac{1}{3}}} = 28\sqrt{2}$$

b) 
$$\left(\frac{x^{a^2+b^2}}{ab}\right)^{a+b} \left(\frac{x^{b^2+c^2}}{X^{bc}}\right)^{b+c} \left(\frac{x^{c^2+a^2}}{X^{ac}}\right)^{a+c} = x^{2(a^3 + b^3 + c^3)}$$

Project :

Make a project on the following topics ---

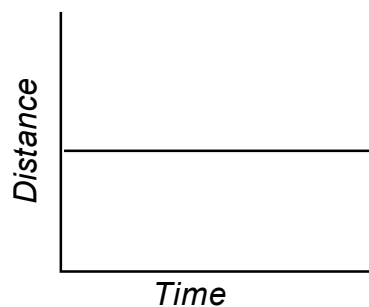
- 1) Use of mathematics in our daily life.
- 2) Contribution of any two Indian mathematicians.

### SCIENCE

**M.M : 25**

#### PHYSICS

- Q.1 Have you ever experienced that the train in which you are sitting appears to move while it is at rest? Explain? 1.5
- Q.2 Under what condition(s) is the magnitudes of average velocity of an object equal to its average speed. 1.5
- Q.3 Name the instrument which reads distance covered of an automobile. 1.5
- Q.4 Suggest what kind of motion is represented by the following graph. 1.5



- IX Q.5 A circular track has a circumference of 3140m with AB as one of its diameter. A scooterist moves from A to B along the circular path with a uniform speed of 10m/s. Find
- distance covered by the scooterist.
  - displacement of the scooterist.
  - Time taken by the scooterist in reacting from A to B. (1)
- Q.6 Derive graphically (2)
- $S = ut + \frac{1}{2} at^2$
  - $v^2 - u^2 = 2as$
- Q.7 In the following example try to identify the number of times the velocity of the ball changes. "A foot ball player kicks a football to another player of his team who kicks the football towards the goal. The goal keeper of the opposite team collects the football and kicks it towards a player of his own team." Also identify the agent supplying the force in each case. (1)
- Q.8 Define the term force. How many minimum forces are needed to keep a body at equilibrium? (1)
- Q.9 A mass of 12 kg is to be accelerated to  $2\text{ms}^{-2}$ . If the force is doubled, find the acceleration produced. Find the force required in both the cases. (1)
- Q.10 Why a person is hit harder when he jumps on a cemented floor than a muddy floor? ( $\frac{1}{2}$ )

### CHEMISTRY

**M.M:8**

- Q1. Write the ingredients of any two food items, cosmetics and medicines used at home. (2)
- Q.2 Write and learn symbols and valencies of first 20 elements and ten poly atomic ions (cations and anions) (2)
- Q.3 Surf the internet and find the latest information on subatomic particles. (2)
- Q.4 We know that many human activities lead to increasing levels of pollution of air, water bodies and soil. How can we limit these activities as to reduce pollution. List at least ten points. (2)

### BIOLOGY

**M.M:9**

- Q1. Collect information on electron microscope and explain its application and utilities. (2)
- Q.2 Define binomial nomenclature. What are various conventions of nomenclature. Collect biological names of 10 plants and animals each. (2)
- Q.3 Collect information on immunization and various vaccines given to children. (Paste the immunization card in your register).
- Q.4 List 10 practices which you will follow and observe in your day to day life stay healthy. (2)

**SOCIAL STUDIES**

- Q1. Collect photographs of houses and clothing of people from different regions of India. Examine whether they reflect any relationship with the climate condition and relief of the area. (5)
- Q.2 Classify the news from newspapers related to the working of any of the institutions :  
 - Working of the legislatures  
 - Working of the Judiciary  
 - Working of the civil services (5)
- Q.3 Education and health helps in making people an asset for the economy. Support or Justify the statement with examples.  
 Discuss the problems associated with unemployment. (5)
- Q.4 Make a project of 15 to 20 pages on any one of the Topics. (10)  
 - project should be handwritten  
 - project should contain illustrations, photographs relevant to the topic concerned.  
 - project should contain :  
 \* GENERAL INTRODUCTION  
 \* METHODOLOGY  
 \* ACKNOWLEDGEMENTS  
 \* BIBLIOGRAPHY  
 \* CONCLUSIONS

**I Elections in 2009**

Content matter should consist of :

- \* Important events that took place before the election -  
 main agenda discussed by political parties, information about people's demand, role of the election commission.
- \* Important events on the day of the election and counting - turnout in elections, reports of malpractice, re-polls, the types of predictions made and the final outcome.
- \* Post elections - reasons offered by political parties for winning or losing elections, analysis of the election verdict by the media.

OR

**II Nazism and world Wars**

Content matter should be arranged in the following parts :

- Rise of Hitler
- The effects of the War
- The Destruction of Democracy
- The art of propaganda
- Crimes against Humanity

- Q.1 Write an essay on 'World Without Sun'. Try to analyse the role of Solar Energy in the biosphere in this essay. 10
- Q.2 Analyse whether public awareness and people's participation in saving environment can make a difference. You can use case studies to prove your point. 7
- Q.3 Imagine you have to motivate the people of your colony to participate in 'Clean Your Colony' drive. Write a pamphlet (Hindi / English) giving this message. 8

**ADDITIONAL SUBJECT****INFORMATION TECHNOLOGY**

- Q1 Make a report on Annual Function of Your School.
- Q2 Design a Birthday Greeting Card.
- Q3 Make a Poster on Promotion Of Technology.
- Q4 Write a letter to your friend giving tips for fuel conservation?

**PLEASE NOTE:-** You only have to submit Black and White Print outs for all the four question