

# RAHUL MODEL SR. SEC. PUBLIC SCHOOL

Recognised Senior Secondary & Affiliated to CBSE

Railway Road, Sadh Nagar-II, Palam Colony, New Delhi

ASSIGNMENT

SUBJECT – MATHS

CLASS- VII

NAME- \_\_\_\_\_

ROLL NO- \_\_\_\_\_

M.M. 30

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**SECTION – A (1x10=10)**

Q 1. Tick the correct option-

(1) Read the following statement and choose the correct option-

Statements –

(i) Every integer is a rational number but a rational number need not be an integer.

(ii) Every positive rational number is less than zero.

(iii)  $\sqrt{2}$  Is an irrational number.

(a) Statement (i) and (iii) are correct but (ii) is incorrect

(b) Statement (ii) and (iii) are correct but (i) is incorrect

(c) All statements are correct

(d) All statements are incorrect

(2) The product of 63 and 0.63 is \_\_\_\_\_.

(a) 39.69

(b) 129.6

(c) 1296

(d) 1.296

(3) The scientific notation of 15690000000 is

(a)  $1.569 \times 10^{10}$

(b)  $15.69 \times 10^9$

(c)  $156.9 \times 10^8$

(d)  $1569 \times 10^7$

(4) When two parallel lines are intersected by a transversal, how many pairs of alternate interior angles are formed?

(a) 4

(b) 2

(c) 1

(d) 0

(5) Replace (\*) by one of the following symbol

$\frac{2}{5}$	*	$\frac{15}{20}$	=	$\frac{3}{10}$
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(a) +

(b) -

(c)  $\div$

(d) x

(6) Three positive integers a,b,c are said to form a pythagorean triplet, if

(a)  $a^2 = b^2 + c^2$

(b)  $a \times b = c$

(c)  $a + b = c$

(d)  $a^2 + b^2 + c^2 = 180^0$

(7) The sum of any two sides of a triangle is

(a) Equal to the third side

(c) greater than the third side

(b) Less than the third side

(d) none of the above

(8) The equivalent rational number of  $-\frac{15}{35}$  is \_\_\_\_\_

(a)  $\frac{3}{7}$

(b)  $-\frac{3}{7}$

(c)  $-\frac{15}{7}$

(d)  $-\frac{3}{-35}$

(9) 91.34m as mm \_\_\_\_\_.

(a) 913.4mm

(b) 91340 mm

(c) 9.134mm

(d) 9134 mm

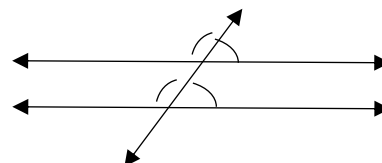
(10) In the given figure if, LII m and p is a transversal line. So ,  $\angle 2 = \angle 6$  because it is \_\_\_\_

(a) Corresponding angles

(b) Alternate interior angles

(c) Vertically opposite angles

(d) Alternate exterior angles



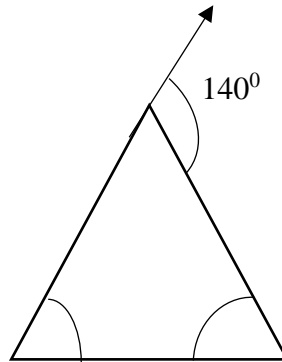
**SECTION – B (2x3=6)**

- Q 2. Classify the following type of decimal and state whether it is a rational numbers or irrational number.
- (a) 18.464646-----
  - (b) 1.643219032-----
  - (c) 50.623-----
  - (d) 7.6130249518011-----

Q 3. Fill in the blanks-

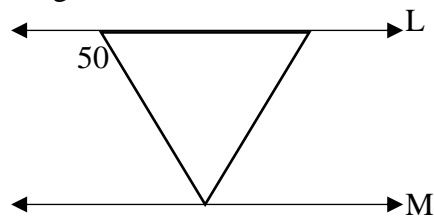
- (a) If two lines intersect at a point, then the vertically opposite angles are always \_\_\_\_\_
- (b)  $\frac{7}{5} = \frac{\quad}{-15} =$
- (c) The value of  $8^0 \times 8^0 \times 8^0$  is \_\_\_\_\_.
- (d)  $0 \div 8.25 =$  \_\_\_\_\_

Q 4. Find all angles of the given figure-



**SECTION – C (3x2=6)**

Q 5. (a) In the given figure mIn. Find the marked angles



(b) Can a triangle have three angles whose measures are  $65^0$ ,  $75^0$  and  $123^0$ ? If not, why?

Q 6. (a)  $\left(\frac{4}{5}\right)^{10} \times \left(\frac{4}{5}\right)^{5x} \times \left(\frac{4}{5}\right)^3 = \frac{25}{16}$  {find x }

(b) Simplify :-  $\frac{125 \times 3^5 \times t^4}{t^3 \times 30^4}$

**SECTION – D (4x2=8)**

Q 7. (a) A tailor has 20m long ribbon. He used  $\frac{18}{3}m$  of the ribbon for a dress. Later he used  $\frac{3}{7}$  of the remaining ribbon for another dress. Find the length of ribbon left with him.

Q 8. (a) Multiply the sum of  $\frac{2}{5}$  and  $-\frac{1}{4}$  by the sum of  $\frac{7}{9}$  and  $\frac{5}{3}$

(b) Evaluate:  $\frac{14}{36} + \left(-\frac{8}{12}\right) - \left(-\frac{5}{4}\right)$

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Railway Road, Sadh Nagar-II, Palam Colony, New Delhi

ASSIGNMENT

SUBJECT – SCIENCE

CLASS- VII

NAME- \_\_\_\_\_

ROLL NO- \_\_\_\_\_

M.M. 30

Q 1. Choose the correct option- (1x6=6)

(1) What is the range of clinical thermometer?

- (a)  $0 - 42^{\circ}\text{C}$  (b)  $35 - 42^{\circ}\text{C}$  (c)  $0 - 100^{\circ}\text{C}$  (d)  $0 - 37^{\circ}\text{C}$

(2) Lichen is the symbiotic association between

- (a) Fungi & bacteria (b) algae and bacteria (c) Algae and fungi (d) plant and fungi

(3) Which is the largest compartment of four chambers of stomach in cow?

- (a) Rumen (b) Omassim (c) Reticulum (d) Abomasum

(4) Which chemical makes kallas soil suitable for growing plants on it?

- (a) Milk of magnesia (b) Antacid (c) Baking soda (d) Lime

(5) Which of the following best describes respiration in animals?

- (a) The process of making food  
(b) The breakdown of food to release energy  
(c) The absorption of nutrients  
(d) The movement of water through the body.

(6) \_\_\_\_\_ is a safety device which goes “off” on overheating in the circuit.

- (a) Alloy (b) filament (c) electromagnet (d) fuse

(7) The following questions consists of two statements assertion (A) & Reason (R). answer these questions selecting the appropriate option given below-

- (a) Both A and R are true and R is the correct explanation of A.  
(b) Both A and R are true and R is not the correct explanation of A.  
(c) A is true but R is false.  
(d) A is false but R is true.

(i) Assertion (A): Electromagnets are made using alloy.  
Reason (R): Alnico is an alloy of aluminium nickel and cobalt.

(ii) Assertion (A) : Photosynthesis is performed by all plants.  
Reason (R): Photosynthesis is done in presence of oxygen.

(8) (a) What are organic acids? Name any 2 organic acids with their sources.

(b) Mention 2 daily life based application of conduction of heat.

## SECTION – C (3X3=9)

(9)

- (a) Label the parts of human respiratory system, A,B,C and D.  
(b) Name the part labelled as E and write its function.  
(c) How is breathing and cellular respiration differ?



(10) Differentiate between (with example any 3)

- (i) Acids and bases
- (ii) Conuection and radiation
- (iii) Uniform and non-uniform motion
- (iv) Conductors and insulators

(11) (a) Draw a well labelled diagram of water cycle.

(b) Write any 2 major causes of groundwater depletion

(c) Write any 2 major methods / process of conservation / management of water.

**SECTION – D (4x3=12)**

(12) Raghav's father was suffering from severe stomach pain. He was showing symptoms of heart burn and indigestion. He consulted a doctor who told him that he was suffering from acidity and advised him to take an antacid tablet after each meal. Raghav's followed the advice strictly and war cured.

(i) Which acid is produced in our stomach?

(ii) An antacid contains which chemical that neutralizes acidity?

(iii) Explain how an antacid tablet gave relief to Raghav's father.

(13) Explain with a well labelled diagram stating working and principle of any 1.

(a) Thermas flask

(b) Electric bell

(14) (a) While adding a indicator in a basic solution it turns green. Which indicator we used also write about natural and artificial indicator.

(b) Describe the process of respiration in cockroach and fish, also clearly mention their respiratory organs.

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ASSIGNMENT

SUBJECT – ENGLISH

CLASS- VII

NAME- \_\_\_\_\_

ROLL NO- \_\_\_\_\_

M.M. 30

## SECTION – A (Writing)

Q 1. Write an E-mail on Introducing a new employee to your team. (3x1=3)

OR

Write a letter to your brother asking him, how he spent his Diwali and describe your experience.

Q 2. Write an article on Environment and Nature. (3x1=2)

OR

You recently visited on “Old Age Home” in Bangalore with your friends. Make a diary-writing entry of what you saw and experienced there.

## SECTION – B (Grammar)

Q 3. Tick the correct option- (10x1=10)

(1) These shoes are much \_\_\_\_\_ quite comfortable for running.

(a) More lighter (b) lightest (c) lighter (d) more than one of the above

(2) Which of the following given option is NOT an adverb ?

(a) Creatively (b) Greedy (c) Rarely (d) None of the above

(3) Ann brought (a new dictionary) Question: What did Ann buy? Noun clause : Do you know

(a) What Ann buy (b) What did Ann buy (c) What Ann bought (d) What did Ann bought

(4) You can see the doctor \_\_\_\_\_ 8am and 12 noon

(a) at (b) between (c) in (d) on

(5) Which clause is this Because today’s mail travels so slowly?

(a) Independent clause (b) Dependent clause

(6) \_\_\_\_\_ early bird catches the worm.

(a) No article (b) A (c) The (d) More than one of the above

(7) Identify the sentence with the comparative degree of adjective.

(a) Ethan Hunt is as great as Sherlock Halmes.

(b) James Caneron’s science-fiction blockbuster Alliens is considered one of the best sequels ever produced

(c) Tobey Maguire’s portrayal of spiderman is better than Tom Holland’s

(d) None of the above

(8) I have decided that I \_\_\_\_\_ go to Bali this year definitely

(a) Should (b) Can (c) Will (d) Could

(9) Identify the complex sentence.

(a) She lives near me (b) He reads what he likes (c) Ravish did not like the breaded man (d) None

(10) Public speaking \_\_\_\_\_ a skill.

(a) Are (b) has (c) have (d) is

**SECTION – C (Literature)**

Q 4. Tick the correct option -

(6x1=6)

(1) What was the name of “Kabuliwala”?

- (a) Abdur Rahman or Rahamat  
(b) Jawaharlal Nehru

- (c) Abdual Qadir  
(d) None of the above

(2) How did the loan affect Mrs Loisel’s life?

- (a) She learned the odious work of a kitchen  
(b) She washed the dishes  
(c) She took down the refuse to the street  
(d) All of the above

(3) What is the population of Lakshadweep as per the 2011 census?

- (a) 32,846                      (b) 64,473                      (c) 46,937                      (d) 81,629

(4) What will happen when the last leaf will fall?

- (a) She will die                      (b) Behrman will die                      (c) Johns will die                      (d) All of the above

(5) Which of the following is NOT a Paralympic sport ?

- (a) Archery                      (b) Ice hockey                      (c) Wheelchair fencing                      (d) Rugby

(6) What is the goal of the International Paralympic committee(IPC)?

- (a) Promoting inclusivity in sports  
(b) Supporting athletes with disabilities  
(c) Increasing respect for people with disabilities  
(d) All of the above

Q 5. Answer the following questions- (do any four)

(4x2=8)

(a) Describe the theme of the poem winter ‘My Secret’?

(b) What special bond did Mini and the Kabuliwala share?

(c) Write short note on the two islands of Lakshadweep.

(d) How did Johnsy realise her mistake?

(e) On inability to accept our circumstances may lead to an unhappy life. Explain with reference to the story ‘The Necklace’?

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ASSIGNMENT

SUBJECT – SOCIAL SCIENCE

CLASS- VII

NAME- \_\_\_\_\_

ROLL NO- \_\_\_\_\_

M.M. 30

Q 1. Tick the correct option- (1x3=3)

(1) The \_\_\_\_\_ maintained law and order in their Iqtas.

- (a) Muqtis (b) Sultan (c) Wazir (d) Diwan

(2) The \_\_\_\_\_ falls in Karnataka is the highest waterfall in India.

- (a) Salto Angel (b) Jog (c) Niagra (d) None of these

(3) The Governor holds office for a term of \_\_\_\_\_ years.

- (a) Four (b) six (c) five (d) two

Q 2. Assertion Reason based (1x1=1)

Statements

Assertion (A) – For the development and economic growth of the country’s good health and long life and essential.

Reason (R) – “Health for All” is the target set by our government.

- (a) Both A and R are correct  
(b) ‘A’ is correct but ‘R’ is not correct  
(c) Both ‘A’ and ‘R’ are incorrect  
(d) ‘A’ and ‘R’ both are correct; but ‘R’ is not the correct statement

Q 3. Read the statement and choose the correct option- (1x1=1)

Statement

(i) Exogenic forces operate from within the interior of the earth

(ii) Hills of lands are called beaches

(a) (i) and (ii) both are incorrect

(b) (i) and (ii) both are correct

(c) (i) is correct (ii) is incorrect

(d) (i) is incorrect (ii) is correct

Q 4. Match the following and tick the correct option- (1x1=1)

(i) Sediments deposited along sea coast

hand

(ii) Indian national congress

beach

(iii) Head of the state

Iluttmish

(iv) Raziya sultan

Governor

- (a) (i),(iii),(ii),(iv) (b) (iv),(iii),(ii),(i) (c) (ii),(i),(iv),(iii) (d) (i),(iii),(ii),(iv)

Q 5. Case study based- (1x3=3)

- The Mughal empire was established by Babur, who was related to Timur on his father’s side and changaje khan and with the Mongols, on his mother’s side. In fact, the Mughals did not like to be associated with the Mongols who were terrible people. The Mongols had often raided the north-western frontier. They had killed many people. The Muhgals pointed with pride to their Timurid ancestors, because Timur had seized Delhi in AD 1398. Ibrahim Lodi, the last ruler of Lodi dynasty was ruling Delhi from AD1517 to AD1526. One of his governors Daulat Khan Lodi invited Babur, the ruler of Kabul, to invade India and overthrow Ibrahim Lodi.

(a) Why Mughals were full of pride for having Timur as their anustor?

(b) Who was Daulat Khan?

(c) What was the relationship between Babur and Changiz Khan?

Q 6. Picture based-

(2)

- (a) Identify the monument.
- (b) Where is it located?
- (c) Who made this and why?



Q 7. Define -

(1)

- Hereditary or Executive

Q 8. Underline the incorrect words and rewrite the statement by using correct words-

(2)

- (a) Indian have a life expectancy of around 50 years.
- (b) Hills of sands are called beaches.

Q 9. Give reasons-

(2)

- (a) Why the authors of history (Tawarikh) foiled to provide information about the life of the ordinary people.
- (b) Why we cannot go the deepest oil well?

Q 10. Who am I -

(2)

- (a) It is a button at the bottom of the EVM which gives the right to votes to reject all the candidates of a particular constituency.
- (b) I am the ninth Guru of the Sikhs-

Q 11. Answer the following questions in (20-30) words

(2x2=4)

- (a) In which year did Timur long invade India. Name any two places which he located?
- (b) What is meant by the term 'Discretionary powers' of the Governor?

Q 12. Answer the following questions in (40-50) words

(3x2=6)

- (a) State the points of importance of rock to man.
- (b) Write a brief note on Akbar's religious ideas.

Q 13. Map work-

(1x2=2)

- (a) On India political map mark any one state where Akhar's empire extent
- (b) Mark the epicentre of earthquake held on (26 January 2001)



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ASSIGNMENT

SUBJECT – HINDI

CLASS- VII

NAME- \_\_\_\_\_

ROLL NO- \_\_\_\_\_

M.M. 30

- प्र-1 सही उत्तर का विकल्प चयन कीजिए— (5)
- (1) निम्नलिखित में से सर्वनाम शब्द छोट कर लिखो।  
(क) वह (ख) तुम (ग) 'क' व 'ख' दोनो (घ) इनमें से कोई नहीं
- (2) तोता आम खा रहा है— रेखांकित शब्द का विकारी शब्द का नाम बताएं।  
(क) सर्वनाम (ख) संज्ञा (ग) विशेषण (घ) क्रिया
- (3) मेज पर पुस्तक रखी हैं— कारक बताएं  
(क) करण (ख) अधिकरण (ग) कर्ता (घ) कर्म
- (4) लड़कियों बगीचे में खेल रही है— संज्ञा का भेद बताओ।  
(क) व्यक्तिवाचक (ख) जातिवाचक (ग) समूह वाचक (घ) भाववाचक
- (5) वह घर मेरा हैं— विशेषण का भेद बताओ  
(क) निजवाचक (ख) गुणवाचक (ग) परिमाण वाचक (घ) संकेतवाचक
- प्र-2 निर्देशानुसार उत्तर दीजिए— (5)
- (1) सविता नहा रही है। – (क्रिया का उत्पत्ति के आधार पर भेद बताओ)  
(2) अनिश्चय संख्यावाची विशेषण का उदाहरण लिखिए।  
(3) जो विशेषण की भी विशेषता बताए उसे क्या कहते हैं?  
(4) किसी शब्द के आगे जुड़कर उसके अर्थ को कदल दे, उसे क्या कहते हैं? उदाहरण सहित बताए  
(5) क्या, तुम अभी आए हो? सर्वनाम का भेद बताएं।
- प्र-3 निम्नलिखित प्रश्नों के उत्तर तर्क सहित दीजिए— (6)
1. कृष्ण को गिरिधर क्यों कहा जाता हैं? तर्क सहित व्याख्या करें।  
2. "जो दीपक बनते हैं" – पाठ के आधार पर बताओ कि मनुष्य अपने जीवन में दीपक कैसे बनते हैं, उदाहरण देते हुए स्पष्ट करें।
- प्र-4 निम्नलिखित प्रश्नों के उत्तर चिंतन के आधार पर दीजिए— (8)
1. "शह और मात" में मात से छुटकारा पाने के लिए आप क्या करेंगे?  
2. मनुष्य अपने मन को कैसे टोर्वे— पाठ के आधार पर उदाहरण सहित स्पष्ट करें।  
3. मनुष्य के जीवन में दुख का अधिकार किस प्रकार हो सकता हैं, उदाहरण सहित स्पष्ट करें।  
4. आज के युग में सूर और मीरा की प्रासंगिता को स्पष्ट करें।
- प्र-5 निम्नलिखित प्रश्नों के उत्तर शीर्षक की सार्थकता को स्पष्ट करते हुए बताएं। (4)
1. "जो दीपक बनते हैं" शीर्षक की सार्थकता को सोदाहरण सहित बताएं।  
2. "भविष्य का भय" पाठ में किस भय के बारे में बताया गया हैं, उदाहरण सहित बताएं।
- प्र-6 निम्नलिखित प्रश्नों के उत्तर दीजिए— (2)
1. तुलतुल की व्यथा को स्पष्ट करें।  
2. सूरदास किस ईश्वर की भक्ति करते हैं?

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Railway Road, Sadh Nagar-II, Palam Colony, New Delhi

ASSIGNMENT

SUBJECT – SANSKRIT

CLASS- VII

NAME- \_\_\_\_\_

ROLL NO- \_\_\_\_\_

M.M. 30

- .....
- प्र-1 संधिः संधिच्छेदं वा कुरुत— (4)
1. देव+ऋषि
  2. एषः+अतीव
  3. स्व+छन्दः
  4. सिंहः+गर्जति
- प्र-2 यथानिर्देशरूपाणि लिखत— (4)
1. गज शब्द – (षष्ठी विभक्ति, बहुवचने)
  2. "अधुना" च "सर्वत्र" वाक्यानि निर्माणं कुरुत।
  3. किं शब्देन एकं प्रश्नं निर्माणं कुरुत।
- प्र-3 रिक्तस्थानानि पूरयत— (शब्दरूपाणि) (4)
1. नद्या नदीभ्याम् \_\_\_\_\_
  2. हरिम् हरी \_\_\_\_\_
  3. पत्रेणु पत्रैः \_\_\_\_\_
  4. \_\_\_\_\_ हे लते! हे लताः!
- प्र-4 यथानिर्देशरूपाणि लकारं परिवर्तनं कुरुत— (4)
1. कृ (लट् लकारे मध्यम पुरुष एकवचनम्)
  2. गम् (लोट् लकारे प्रथम पुरुष बहुवचनम्)
  3. पठ् (लृट् लकारे उत्तम पुरुष एकवचनम्)
  4. खाद् (लङ् लकारे मध्यम पुरुष बहुवचनम्)
- प्र-5 कः वदति इति लिखत— (4)
1. तत्र गमनेन मम कार्यं हानिः भविष्यति।
  2. ह्यः वयं पुस्तकालयम् अगच्छाम।
  3. ह्यः गांधी जयंती इति आसीत्।
  4. परम अहं त्वां न शिक्षितवान्।
- प्र-6 अधोलिखितानां हिन्द्याम् अनुवादं कुरुत— (4)
1. भवान् एवं मम आचार्यः।
  2. ये उत्तमाः छात्राः भवन्ति।
  3. अधुना अकथनीया मम दशा।
  4. ते प्रातः उत्थाय स्नातुं नदीं गच्छन्ति स्म।
- प्र-7 उचित विकल्प का चयन करे— (4)
1. "सर्वत्र" शब्दस्य अर्थ  
(क) सभी जगह (ख) सारी जगह (ग) हर जगह (घ) एक जगह
  2. "आकाशे" शब्दे कः कारकः?  
(क) कर्ता (ख) अधिकरण (ग) करण (घ) कर्म
  3. "नद्यः" शब्दे कि वचनम्?  
(क) एकवचनम् (ख) द्विवचनम् (ग) बहुवचनम् (घ) इनमें से कोई नहीं
  4. \_\_\_\_\_ क्रोध तत्र विनाशः।  
(क) नीचैः (ख) कदापि (ग) शनैः (घ) यत्र
- प्र-8 प्रश्न निर्माणं कुरुत। (2)
1. सीता रामेण सह वनं गच्छति।
  2. सूर्य प्रकाशाय भवति।