

(English)

1. Write ten diary entries.
2. Pre-reading –
 - Beehive – Ch – 4 & 5
 - Moment – Ch – 6 & 7
3. Revise all the chapters of literature read so far thoroughly.
4. Find out five unfamiliar words from newspaper daily and find their meanings and pronunciation.
5. *ikdfrd vkink icdku* fo"k; ij ikstDV r\$ kj djarFkk mik; Hkh l q; kb, A

(Hindi)

आवश्यक निर्देश :

गृहकार्य के लिए अलग से अभ्यास पुस्तिका का प्रयोग करें।

सम्पूर्ण कार्य शुद्ध व सुन्दर लिखाई में करें।

आवश्यकतानुसार चित्र, कलर व अन्य सहायक सामग्री का प्रयोग करें।

चित्र, समाचार पत्र कटिंग इत्यादि के लिए 'स्क्रीप पुस्तिका' का प्रयोग करें।

गृहकार्य का मूल्यांकन अंक, ग्रेड इत्यादि के आधार पर किया जाएगा।

1. याद करने का कार्य :

कृतिका – पाठ 1

क्षितिज गद्य – 1, 2

क्षितिज पद्य – 1, 2, 3

व्याकरण – उपसर्ग, प्रत्यय, समास

2. लिखित कार्य –

• ग्रीष्मावकाश के दौरान की गई किसी यात्रा का वर्णन करते हुए यात्रा वृत्तांत लिखिए।

• 'बच्चों को काम पर जाने से रोकने में आपकी क्या भूमिका हो सकती है? अपने विचार लिखिए।

3. यदि तुम्हारे घर में तुम्हारे ही कमरे में कोई पक्षी अपना आश्रय-स्थल बनना चाहे तो तुम क्या करोगे? अपने उद्गार लिखिए।

4. आपकी नजर में समाज एवम् राष्ट्र के उत्थान के लिए एक श्रेष्ठ नागरिक को क्या-क्या कार्य करने चाहिए? किन्हीं दस कार्यों के बारे में लिखिए।

5. 'प्राकृतिक आपदा प्रबंधन' विषय पर प्रोजेक्ट तैयार करें तथा उपाय भी सुझाए।

(Science)

PHYSICS

1. Learn Ch. – 8 of physics.
2. Make graphs of uniform motion and non-uniform motion.
3. Pre-reading of Ch. 2, 3.

4. Do the summative assignments in Your NB.

BIOLOGY

1. Draw diagram of - (In fair notebook)
a) Types of Muscle Fibres b) Types of Connective Tissue c) Nervous tissue
2. Write at least 20 amazing facts related to biological world.
3. Differentiate between - (In fair Notebook)
a) Parenchyma, collenchyma and sclerenchyma b) Xylem and Phloem
c) Smooth, striated and cardiac muscles
4. Write about 3 scientists related to the discovery of various organelles of cell.
5. Revise Ch. – 5 and 6. (upto where we have done) and pre-read Ch – 15.

CHEMISTRY

1. Make a list of pure substances (element & compound) and impure substances (mixture) which we use in daily life.
2. Draw diagrams of different technique used for separation of mixture and their application in daily life.
3. Differentiate between -
a) Boiling and evaporation
b) Mixture and compound
c) Homogeneous and Heterogeneous mixture
d) Physical and chemical change
e) True solution, suspension and colloidal solution
4. Make a chart (Any one)
a) Simple distillation
b) Fractional distillation
c) Water purification system
5. Revise Ch.-1 and Ch.-2 (upto where we have done)
6. Pre-read Ch – 3.

(S. St)

1. Write 10 New Terms from the following chapters .
History Ch. - 1, 3, Geo. Ch. – 4 Eco. Ch. - 1
2. Find out the longitudinal and latitudinal extent of your state and show it on the map of Haryana
3. Draw a map of India on chart which shows physical features of India (Geo. Ch. - 2)
4. Prepare a project file on Disaster management which include following points :

- a) Index
- b) About Disaster and its types with pictures
- c) Any one Natural Disaster
 - Its reason
 - Steps to minimize and prevention.
 - Newspaper and magazine cuttings related to this disaster
- d) Disaster due to human activity
 - Its reasons
 - How can we prevent it ?
 - Paste pictures related to it

(Computer)

1. Read and Learn Chapter 1, 2, 3 & 6 Complete.
2. Pre Read Chapter-7
3. Make a Project (Text document with figures) in **OpenOffice.org Writer** using the following terms:-
 - Basic I/O devices: use the mouse and keyboard, draw a figure.
 - Basic organization of a computer: CPU, memory, input/output devices, hard disk.
 - Difference between RAM & ROM
 - Units of memory
 - Types of Printers
 - Types of System Software
 - Database Management System

Instructions:-

- **First Page of Project should contain Topic of the Project and name of the student.**
- **Make an Index of the above topics using table in OOo Writer on second page of project.**
- **Headings:-** Centered Alignment, Font Face- Times New Roman, Size-14
- **Content:-** Left Alignment, Font Face- Times New Roman, Size-12
- **Page Orientation :** Landscape

R.E.D. SCHOOL, CHARKHI (BHIWANI)

Subject - Mathematics

Holiday Homework Assignment

Standard - 9th

Name :

Section :

Roll No.

1. Simplify : $\frac{2^{30} + 2^{29}}{2^{31} - 2^{30}}$
2. $\sqrt[3]{4}$, $\sqrt{3}$ and $\sqrt[4]{6}$ write in descending order
3. Rationalise the denominator $\frac{1}{\sqrt{2} + \sqrt{3} + \sqrt{5}}$
4. If $x = 7 + \sqrt{40}$ then find $\sqrt{x} + \frac{1}{\sqrt{x}}$
5. Find the value of x, if $\sqrt{\left(5^0 + \frac{2}{3}\right)} = (0.6)^{2-3x}$
6. Find the value of $(64)^{-\frac{1}{3}} \left[64^{\frac{1}{3}} - 64^{\frac{2}{3}}\right]$
7. Find 10 rational no. between $\frac{-2}{3}$ and $\frac{1}{4}$
8. Express $0.12\bar{3}$ in the form of $\frac{p}{q}$
9. Find the value of x if $\left(\frac{2}{3}\right)^x \left(\frac{2}{3}\right)^{2x} = \frac{81}{16}$
10. Represent $\sqrt{10.5}$ on the number line.
11. Make chart using the identities :
 $(a + b)^2$, $(a - b)^2$, $a^2 - b^2$, $a^3 + b^3$, $a^3 - b^3$, $(a + b)^3$, $(a - b)^3$, $(a + b + c)^2$, $(x + a)(x + b)$
you are leave some of these. But letter should be in proper way (large size)
12. Show that $(3x - 2)$ is a factor of $3x^3 + x^2 - 20x + 12$.
13. If $4a^2 + b^2 = 40$ and $ab = 6$ then find $2a + b$
14. If $x + y = 3$, $xy = 2$, find $x^3 + y^3$
15. Evaluate : $x^3 - \frac{1}{x^3}$ if $x - \frac{1}{x} = 6$
16. Simplify : $(x + 2y - 5z)^2 - (x - 2y + 5z)^2$
17. Factorise : $x^3 - 3x^2 + 3x + 7$
18. Reduce $\frac{x^2 + 5x + 4}{x^2 + 2x + 1}$ to lowest terms.
19. If $x - \frac{1}{x} = 6$ then find $x^3 - \frac{1}{x^3}$
20. Factorise : $x^3 + 27$

21. If $x + 1$ is a factor of the polynomial $2x^2 + kx$, then find the value of k .
22. If $x + a$ is a factor of $x^4 - a^2x^2 + 3x - 6a$, then the value of a .
23. Find common factor of $x^2 - 1$, $x^4 - 1$ and $(x - 1)^2$
24. If $p(x) = 2x^2 - 3x + 5$, then the value of $\frac{p(0) + p(1)}{p(-1)}$
25. Factorise : $8x^3 + 27y^3 + 64z^3 - 72xyz$
26. Write down Euclid Axioms.
27. Write down Euclid Postulates.
28. Lab activity of chapter no. 2, 4, 6.

R.E.D. SCHOOL, CHARKHI (BHIWANI)

Subject - Mathematics

Holiday Homework Assignment

Standard - 9th

Name :

Section :

Roll No.

Multiple Choice Questions :

1. A pyramid is a solid figure, the base of which is
a) only a square b) only a triangle c) only a rectangle d) any polygon
2. The side faces of a pyramid are
a) squares b) triangles c) polygons d) trapeziums
3. In ancient India, the shapes of altars used for household rituals were
a) square and rectangular b) square and circular
c) triangular and rectangular d) square and triangular
4. In ancient India, the shape of altars used for public worship were combinations of
a) circles, squares and rectangles b) triangles, circles and rectangles
c) circles, trapeziums and squares d) rectangles, triangles and trapeziums
5. The number of interwoven isosceles triangles in *sriyantra* (in the *Atharvaveda*) is
a) seven b) eight c) nine d) ten
6. In Indus Valley Civilisation, the bricks used for constructions were kiln fired and the ratio, length : breadth : thickness of the bricks was found to be
a) 4 : 3 : 2 b) 4 : 4 : 1 c) 4 : 2 : 1 d) 1 : 2 : 3
7. Euclid divided his famous treatise "*The Elements*" into
a) 9 chapters b) 11 chapters c) 12 chapters d) 13 chapters
8. Which of the following are known as the boundaries of solid ?
a) curves b) lines c) points d) surfaces
9. The three steps from solids to points are
a) Solids–surfaces–lines–points b) Solids–lines–surfaces–points
c) Lines–points–surfaces–solids d) Lines–surfaces–points–solids
10. The number of dimensions, a solid has
a) 0 b) 1 c) 2 d) 3
11. The number of dimensions, a surface has
a) 1 b) 2 c) 3 d) 0
12. Axioms are assumed
a) definitions b) theorems
c) universal truths in all branches of mathematics. d) universal truths specific to geometry
13. Which of the following need a proof ?
a) Axiom b) Theorem c) Definition d) Postulate

14. Euclid stated that if equals are subtracted from equals, the remainders are equal in the form of
a) an axiom b) a postulate c) a definition d) a proof
15. Euclid stated that all right angles are equal to each other in the form of
a) an axiom b) a definition c) a postulate d) a proof³⁴.
16. 'Lines are parallel if they do not intersect' is stated in the form of
a) a definition b) an axiom c) a postulate d) a proof
17. X is of the same age as Y, Z is also of the same age as Y. Then the Euclid's axiom that illustrates the relative ages of X and Z is the
a) first Axiom b) second Axiom c) third Axiom d) fourth Axiom
18. Theorems related to Ch. 6 (Lines and Angles).
19. Draw many types of angles on a A4 sheet.

R.E.D. SCHOOL, CHARKHI (BHIWANI)

Subject - Mathematics

Holiday Homework Assignment

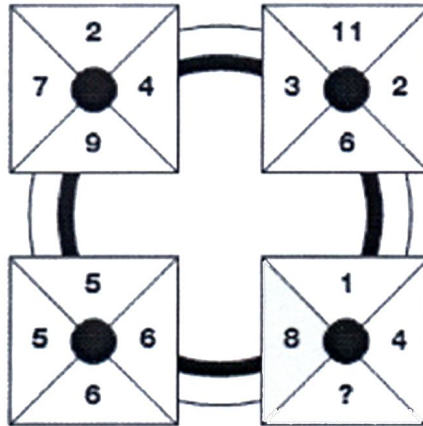
Standard - 9th

Name :

Section :

Roll No.

1. Which number replaces the questions mark ?



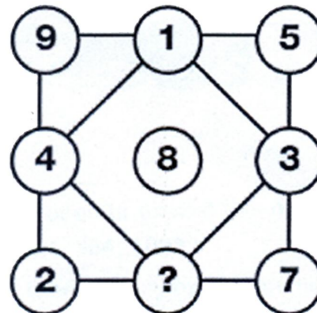
a) 8

b) 14

c) 9

d) 10

2. Which letter replaces the question mark ?



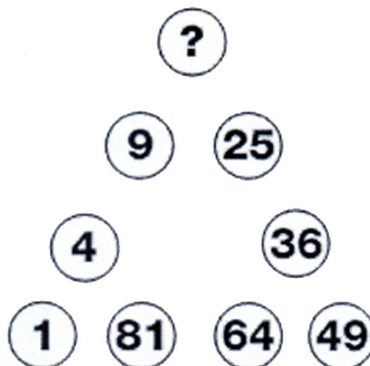
a) 8

b) 6

c) 9

d) 10

3. Which number replaces the question mark ?



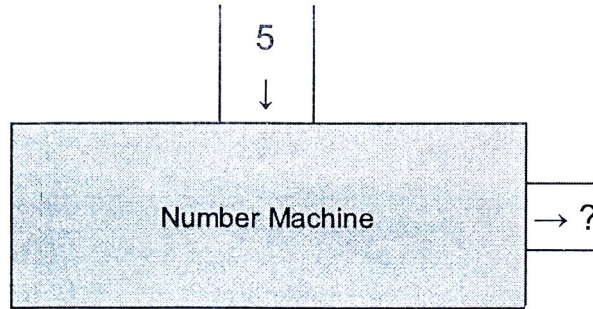
a) 121

b) 100

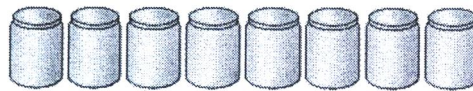
c) 169

d) 16

4. When a number is put into the machine below, a different number comes out. If 2 goes in, 2 comes out. If 3 goes in, 7 comes out. If 4 goes in, 14 comes out. If 5 goes in, what number should come out?

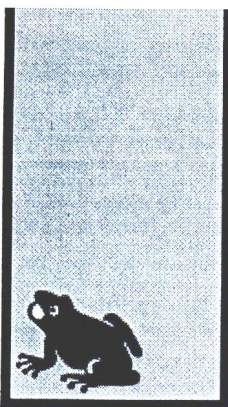


- a) 23 b) 57 c) 34 d) 11
5. There are equal number of coins in each jar. If there are 24 coins in 4 jars, how many coins are there in all the 8 jars ?



- a) 30 b) 42 c) 48 d) 60
6. Which rule can be used to explain this number pattern ?
1, 4, 13, 40, 121, 364, 1093,
- a) Multiply by 1, then multiply by 2, then multiply by 3, and so on
b) Add 0, then add 1, then add 2, and so on
c) Multiply by 3 and subtract
d) Multiply by 3 and add 1

7. Fill in the blanks



A frog is fallen into a ditch which is 14 meter deep. Each day frog climbs 2 meter and then fall back by 1 meter. Frog will reach the top after days.

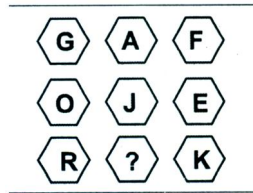
8. If in a certain language, REMOTE is coded as ROTEME, which word would be coded as PNIICC ?
a) NPIICC b) IPCCIN c) PICNIC d) PICNCI
9. Arrange the following words in a meaningful sequence.
1. CONSULTATION 2. ILLNESS 3. DOCTOR 4. TREATMENT 5. RECOVERY
- a) 2, 3, 1, 4, 5 b) 2, 3, 4, 1, 5 c) 4, 3, 1, 2, 5 d) 5, 1, 4, 3, 2

10. Letters of the word have been jumbled up. Each letter has been numbered and the word is followed by four options. Choose the options which gives the correct order of the letters to form a meaningful words?

T I R B H G
1 2 3 4 5 6

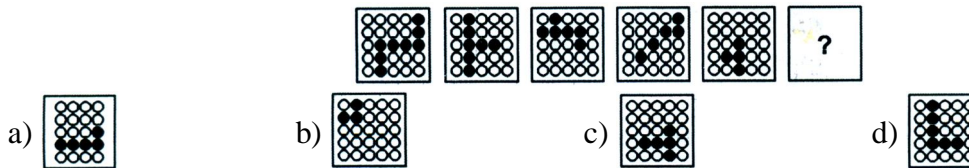
- a) 1, 3, 2, 4, 6, 5 b) 3, 2, 6, 5, 4, 1 c) 4, 3, 2, 6, 5, 2 d) 4, 5, 2, 3, 6, 1

11. Which letter replaces the question mark ?

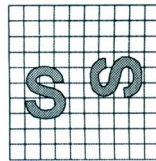


- a) M b) P c) G d) S

12. Which of the following options can replace the last grid ?

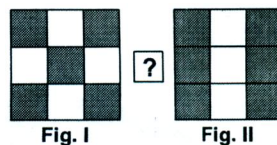


13. Two different positions of a letter are given. Which of the following options describe its transformation?



- a) Reflection b) Rotation c) Translation d) None of these

14. Which symbol replaces the question mark if we compare the shaded part of Fig. 1 and Fig. II ?



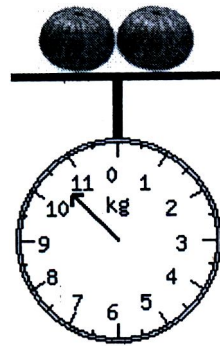
- a) < b) > c) = d) Can't say

15. A teacher asked 3 students of a basketball team to attempt 20 free thorws eash during practice. The given able shows the number of free throws each player made in 20 attempts. Based on the information in the table which is the most reasonable prediction of the average number of free throws by X, Y, Z that they will make out of 60 attempts ?

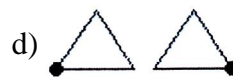
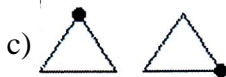
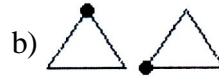
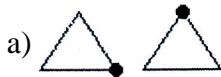
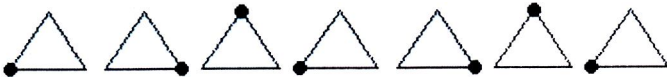
<i>Player</i>	<i>Number of Free throws made</i>
X	12
Y	18
Z	15

- a) 12 b) 60 c) 15 d) 45

16. 16. The day after tomorrow is my brother's birthday. On the same-day next week is the festival of Holi. If today is Saturday, what will the day before Holi be?
- a) Wednesday b) Sunday c) Thursday d) Friday
17. Which of the following is different from others ?
- a) 10 hundreds b) 100 tens c) 1000 ones d) 10 thousands
18. If the weight of the two pumpkins is the same, what is the weight of one, pumpkin (write in mixed fraction) ?



19. What are the next two shapes ?



20. What will be the shape at 14th position ?





R.E.D GROUP OF
SCHOOLS

R.E.D. SCHOOL, CHARKHI

MULTI-DISCIPLINARY PROJECT

GUIDELINES OF THE PROJECT:-

- ❖ The project is the part of Assessment.
- ❖ It should be handwritten except the Computer Science Project.
- ❖ The work should be attractive with innovative ideas.
- ❖ The project should be done on coloured A4 size paper.
- ❖ There should be 1cm gap on each side of the paper.
- ❖ The project should be submitted in stick file in the following format:-
 - a. Cover page
 - b. Acknowledgement
 - c. Who am I?
 - d. Contents:-
 - I. English
 - II. Hindi
 - III. Science
 - IV. Social Science
 - V. Maths
 - VI. Computer
 - e. Conclusion (The conclusion should include the experience of students what they have learned through this project).
 - f. Bibliography
- ❖ The time period for the project will be 1 month.
- ❖ The students will do the project meticulously in group.

FORMATIVE ASSESSMENT-3

CLASS-9

TOPIC-“Industrial Pollution”

<u>SUBJECT</u>	<u>THEME</u>	<u>GUIDELINES</u>
ENGLISH	Creative writing	Imagine last month you visited America. Write your experience in 200 words.
HINDI	Slogan Writing	Prepare the chart with slogans on “ protect your city from Industrial pollution”
SCIENCE	Effects of Industrial Pollution	1. With reference to Global changes and cycles in India on dated 6 th , 7 th & 8 th May, 2018. Find out reasons safety measure and precautions that short be adopt. 2.Prepare El Nino report.
SOCIAL SCIENCE	India’s Stand on “Non-aligned movement” .	Prepare your project on A4 size paper with illustrations.
MATHEMATICS	Data Representation	Suppose you go in market and from the market you purchase two items represent it in the form of linear equation in tow variables at least of 10 days and find out solution of any 5 equations.
COMPUTER SCIENCE	Use of MS – power Point	<ul style="list-style-type: none">• Prepare a Power Point Presentation on “Depleting Green Cover of the Earth Indonesian Islands”.i) Insert picturesii) Create bulleted lists, tables.iii) Use animations on text and objects.iv) Add background colour and shadingv) Add header and footer.vi) Set rehearse timings for slides.vii) Use Design/ theme.