HINDI:

पर्यटन की दृष्टि से अयोध्या के प्रमुख स्थानों,आवागमन के संसाधनों, रहने-खाने के उचित स्थानों व रूट मैप सहित सचित्र बुकलेट तैयार करें । (नोट -* बुकलेट मोटे पेपर पर होना चाहिए।

* बुकलेट स्वच्छता पर विशेष ध्यान दें।)

व्याकरण पुस्तक से -

उपसर्ग पाठ से अभ्यास कार्य -5

प्रत्यय पाठ से अभ्यास कार्य -8

समास पाठ से अभ्यास कार्य-6

(कॉपी मे करें)

ENGLISH:

1.Read The Chapter The Little Girl and write a critical analysis on the theme setting character sketches relationship between the main characters, main episodes ,realisation by the main character and learnings.

2. Prepare a two minute debate on either for or against a topic of your choice.

3.Prepare a power point presentation of the supplementary story allotted to the group on the theme, message ,summary, character sketches, justification of title and learnings

MATHS:

Activity

- Construct a Square Root Spiral .
- Represent $\sqrt{10}$ and $\sqrt{5}$ on number line.
- Verify the Algebraic Identity $(a+b)^2 = a^2 + 2ab+b^2$ using grid paper.
- Represent $\sqrt{6.3}$ geometrically

Project: Select any one topic out of the following topics and present under the following heads (i) Introduction of the topic

- (ii) Relevance/objective of the topic
- (iii) Different contains (sub topic) with appropriate Examples
- (iv) Application
- (v) Conclusions
- (vi) Bibliography

Topics are as follows

- (i) Euclid Geometry
- (ii) Probability and Chances
- (iii) Statistics
- (iv) Number system
- (v) Vaidic maths
- (vi) Maths and Architecture
- (vii)Maths and banking sector
- (viii) Mensuration of plane figure
- (ix) Mensuration of solid figure
- (x) Symmetry
- (xi) Algebra
- (xii) Geometry
- (xiv)coordinate geometry
- Application
 - 1. Write 10 rational numbers between \mathcal{V}_{3} and \mathcal{V}_{2}
 - 2. Rationalize the denominator of $\sqrt{3} \sqrt{2}$
- 3. Express the following as a fraction in the simplest form. (i) 2.23 (ii) 3.123 (iii) 1.3
 4. Simplify 11.4565 + 2.67
- 5. If $x = (2 + \sqrt{3})$, find the value of (i)x +1/x

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

8. Find remainder if p(x) is divided by g(x), also verify using division method (i) $P(x)=x^3 + 4x^2-7x + 3$; g(x) = x + 2(ii) $P(x)=x^3-7x^2+3x+3$; g(x) = x - 1

HOTS

9. Factorise: $x^4 - 3x^2y^2 + y^4$

10. Show that: $\frac{1}{3-\sqrt{8}} - \frac{1}{\sqrt{8}-\sqrt{7}} + \frac{1}{\sqrt{7}-\sqrt{6}} - \frac{1}{\sqrt{6}-\sqrt{5}} + \frac{1}{\sqrt{5}-2} = 5$

Multiple choice questions

1. Which one is not a polynomial (a) $4x^2 + 2x - 1$ (b) $y + \frac{3}{y}$ (c) $x^3 - 1$ (d) y^2 + 5y + 1 2. The polynomial $px^2 + qx + rx^4 + 5$ is of type (a) linear (b) quadratic (c) cubic (d) Biquadratic 3. Identify the polynomial (a) $x^{-2} + x^{-1} + 5$ (b) $x^2 + 5\sqrt{x} + 7$ (c) $\frac{1}{x^3} + 7$ (d) $3x^2 + 7$ 4. The zero of the polynomial p(x) = 2x + 5 is (a) 2 (b) 5 2 (c) 5 (d) 2 5. The number of zeros of $x^2 + 4x + 2$ (a) 1 (b) 2 (c) 3 (d) none of these 6. The polynomial of type $ax^2 + bx + c$, a = 0 is of type (a) linear (b) quadratic (c) cubic (d) Biquadratic

7. The value of k, if (x - 1) is a factor of $4x^3 + 3x^2 - 3x$ 4x + k, is (a) 1 (b) 2 (c) -3 (d) 3 8. The degree of polynomial $p(x) = x + \sqrt{x^2 + 1}$ is (a) 0 (b) 2 (c) 1 (d) 3 9. If 3 + 5 - 8 = 0, then the value of $(3)^3 + (5)^3 - 3^3 = 10^{-3}$ (8)³is (a) 260 (b) -360 (c) -160 (d) 160 10. If value of 104 × 96 is (a) 9984 (b) 9469 (c) 10234 (d) 11324 11. The value of 5.63 × 5.63 + 11.26 × 2.37 + 2.37 × 2.37 is (a) 237 (b) 126 (c) 56 (d) 64 $\frac{(361)^3 + (139)^3}{(361)^2 - 361 \times 139 + (139)^2}$ is (a) 300 (b) 500 (c) 400 (d) 600 13. If x + y = 3, $x^2 + y^2 = 5$ then xy is (a) 1 (b) 3 (c) 2 (d) 5 14. If x + 2 is a factor of $x^3 - 2ax^2 + 16$, then value of a is (a) 3 (b) 1

(c) 4 (d) 2

15. If one of the factors of $x^2 + x - 20$ is (x + 5). Find the other (a) x - 4(b) x + 2(c) x + 4(d) x - 5

Case Study 1

Ankur and Ranjan start a new business together. The amount invested by both partners together is given by the polynomial $p(x) = 4x^2 + 12x + 5$, which is the product of their individual shares.

ί.

Coefficient of x2 in the given polynomial is

a. 2 b. 3 c. 4 d. 12

ii.

Total amount invested by both, if x = 1000 is

a. 301506 b. 370561 c. 4012005 d. 490621

iii.

The shares of Ankur and Ranjan invested individually are

a. (2x + 1), (2x + 5) b. (2x + 3), (x + 1) c. (x + 1), (x + 3) d. None of these

iv.

What is the name given to the polynomial which represents the amount that each of them has invested.

a. Cubic

b. Quadratic

SCIENCE:

CHEMISTRY-

1.Read the topic

EVAPORATION, cause of

Evaporation and factors

affecting EVAPORATION.

Make notes on the topics.

Also carry out 3simple

activities to relate evaporation

in your daily life and prepare

a report (write in your register)

2. Prepare synopsis of your

Chemistry project topic.

BIOLOGY:

- 1. Choose an innovative topic and prepare synopsis for Biology project.
- 2. Write the experiment- study of plant cell through onion peel and animal cell of cheeks in your practical copy with the help of lab manual.

PHYSICS:

Solve the following questions

- 1. During an experiment, a signal from a spaceship reached the ground station in five minutes. What was the distance of the spaceship from the ground station? The signal travels at the speed of light, that is, 3 × 10^s m/s.
- 2. A bus starting from rest moves with a uniform acceleration of 0.1 m s⁻² for 2 minutes. Find (a) the speed acquired, (b) the distance travelled.
- 3. Try to derive Equation of motion.

SST:

History

A) Practice location of places which we came across in world political map .

B) Prepare for Monday test.

C) Type an article for school magazine on any topic:. 1 Current affairs

2 Social issue

- 3 Self expression
- 4 Cartoon making

5 Poster making 7 Interview 8 Story writing 9 Any other topic. Important*: Article must be original D) Each one is required to contribute to the development of the school museum .

Geography:

.Prepare project and presentation on "Natural Vegetation and Wildlife".

Economics:

. Prepare pictorial report of village excursion or any village you have visited.

COMPUTER:

Prepare a chart on following Topics: Roll No 1-10 (Input Devices) Roll No 11-20(Output Devices) Roll No 21-30(Memory Devices) Roll No 31-40(Functional components) You can search for new devices also for preparing charts.

ART:

Make a folk art painting of any state. Ex. Madhubani, mandala, Gond art etc.