



UNIVERSITY MODEL SCHOOL

DR. B.R. AMBEDKAR UNIVERSITY, AGRA

HOLIDAY HOME -2024-25

CLASS – IX

English:-

- 1. Read the Lessons, Write any 40 word-meanings question Answers, do Extracts of the lessons done in the class complete all the English work in your class – Register and learn.
- 2. Practice Exercises in Grammar.
- 3. Write and learn (Any one) of the Following topics for (A.S.L.)
 - (i) Importance of value Education.
 - (ii) Indian Education System.
 - (iii) Uniforms: Compulsory or Optional.
 - (iv) Relation between parent and children.
 - (v) How to overcome fear.

Hindi :-

- कक्षा में पढ़ाये गये पाठों के प्रश्न उत्तर साफ-साफ लेख में लिखें और याद करें।
- “अनियंत्रित जनसंख्या वृद्धि के दुष्परिणाम” विषय पर २५० शब्दों में लेख लिखिए।
- समाज की किसी ज्वलंत समस्या संबंधित एक स्वरचित कविता या कहानी लिखिए।
- “भारतीय कृषि का अनोखा स्वरूप” विषय पर एक मॉडल तैयार कीजिये।
- अपने घर पर पड़े खराब सामान से मॉडल तैयार कीजिये।

Mathematics :-

- Solved all exercise of Chapter 1, Chapter 2 Exercise 2(A) & 2(B) with examples, theorem, MCQ and Short questions.
- Draw a chart based on Chapter 1 or Chapter 2.
- Solve worksheet and draw a chart.

MATHEMATICS WORKSHEET **CHAPTER 2: POLYNOMIALS**

VERY SHORT ANSWER TYPE QUESTIONS

- Q1. Write an example of an algebraic expression that is not a polynomial.
- Q2. $p(x) = \sqrt{x^3} + 1$ is not a polynomial. Give reason
- Q3. Find the value of polynomial $8x^3 - 6x^2 + 2$ at $x = 1$
- Q4. If $p(x) = 6x^3 + 5x^2 - 3x + 2$ find $p(-1)$
- Q5. Find the zero of the polynomial $p(y) = 2y + 7$
- Q6. Find the remainder when $x^{101} - 1$ is divided by $x - 1$
- Q7. Find whether $x^n + y^n$ is divisible by $x - y$ ($y \neq 0$) or not.
- Q8. Write the following polynomials in standard form
- i. $4y - 4y^3 + 3 - y^4$
- ii. $5m^3 - 6m + 7 - 2m^2$
- Q9. Write the integral zeroes of the following polynomials
- i. $(x - 3)(x - 7)$
- ii. $(x + 1)(3x + 2)$

Science:

Physics:- Write the definition:-
Motion, Distance, Displacement, Uniform motion, Non-uniform motion, Speed, Average Speed, Velocity, Uniform Velocity, Acceleration, positive acceleration and Negative acceleration.

Biology:- Draw the labelled diagrams of all cell organelles.

Chemistry:- Write the formula of these elements in your note book:-
Sodium, Potassium, Iron, Copper, Silver gold, Mercury, Lead, Tin, Calcium, Zinc sulphur, chlorine, Aluminium, Oxygen Hydrogen, Helium, Carbon, Phosphorus.

Social Study:-

1. Learn all work done in your notebook.
2. Make a project on disaster management.
3. Make a poster (A3 sheets on Social Issues an Awareness)

Computer Science:-

- (A) Make a chart on the following topic. (Choose any one)
1. Artificial Intelligence
 2. Internet Browser Types
 3. Networking
 4. Input/Output devices/Social Media
 5. Office tools
- (B) Make a file on (A4-size) Min. 5 page any one topics :-
- 1- Computer Network and topology.
 - 2- AI with its types History, Advantages, Tools.

Physical Education:-

1. Complete the work in the copy which has been already taught in the class and read it carefully.
 - Introduction to Physical Education
 - Find all the answers of exercise given in the book in your copy by yourself.
2. Make a chart on “Suryanamaskar, write the name Asnas involve in it at every posture and also write its benefits on the chart if possible.
3. After doing some warm-up like jogging, jumping or rope skipping etc. Practice Suryanamasker and Pranayam” in the morning daily.
4. Prepare a short project on your favourite Game/Sport viz. Its History, court dimensions with figure, Rules and Regulations, famous players National and International, etc.