



# NARAYAN

## COLLEGE OF SCIENCE AND ARTS

ALAMPUR HAUJ, AGRA ROAD, ETAWAH - 206002 (U.P.)

### SUMMER ASSIGNMENT FOR CLASS-12<sup>th</sup> Mars

#### HINDI

आरोह भाग –2 (काव्य खण्ड) (1) आत्म परिचय (2) पतंग  
(गद्य खण्ड) (1) भक्तिन बाजार (2) दर्शन

वितान भाग –2 'सिल्वर वैडिंग'

इन पाठों का सम्पूर्ण अभ्यास कार्य याद करना अपठित तथा पठित काव्यांश तथा गद्यांश पर आधारित प्रश्नों का अभ्यास करें।

लेखन कार्य –

1. 'सुबह की सैर' पर रचनात्तक लेख लिखिये।
2. 'नदी में अचानक पानी का बढ़ना' पर रचनात्मक लेख लिखिये।
3. प्रमुख जन संचार माध्यमों के बारे में लिखिये।
4. खुद से तथा अपने परिवार से जुड़ी एक अच्छी रोचक कहानी या लघुकथा अपने शब्दों में लिखिये।
5. अपने पसंदीदा त्योहार का वर्णन 100 से 120 शब्दों में कीजिये।

पत्र – 2 पत्र औपचारिक, 2 पत्र अनौपचारिक

'बदल रही है सरकारी विद्यालयों की छवि' विषय पर एक आलेख तैयार कीजिये।

#### ENGLISH

1. Prepare colourful mind maps on a drawing sheet (A4 size) highlighting the details related to the following chapters/poems:
  - The last lesson
  - Lost spring
  - My Mother at sixty – six
  - Keeping quiet.
2. Prepare a travelogue of your Favourite destination including the sight seeing views, regional foods, architecture, historical significance along with their pictures. Write brief description of each sub-heading. Also make it as decorative as possible.
3. Read a contemporary novel or collection of essays and write a detailed book review.

#### BIOLOGY

##### SEXUAL REPRODUCTION IN FLOWERING PLANTS

Q.1 Write briefly the role of pollination in the growth and development in an angiosperm.

Q.2 Describe the structure of a typical/polygonum type embryo sac found in flowering Plants. Why is it called monosporic?

Q.3 Why is the process of fertilization in a flowering plant referred to as double Fertilization?

Q.4 What is the process of fertilization in flowering plant referred to as double Fertilization ?

Q.5 The flower of Brinjal is referred to as chasmogamous while that of Bean is Cleistogamous. How are they different from each other.

Q.6 Coconut Palm is monoecious while Date Palm is dioecious. Why are they called so?

Q.7 Banana is a parthenocarpic fruit whereas oranges show polyembryony. How are they Different from each other with respect to seeds?

Q.8 Name the cell from which the endosperm of Coconut develops. Give the characteristic Features of endosperm of coconut.

Q.9 Draw a vertical section of a Maize grain and label.

(i) Pericarp (ii) scutellum (iii) coleoptile (iv) radicle

Q.10 Fertilization is essential for production of seeds

(i) Give one example of an angiosperm that produces seed without fertilization. Name The process.

(ii) Explain two ways by which seeds develop without fertilization.

(i) To make project on topic provided by CBSE.

## COMPUTER SCIENCE

1. Write a Python Programme to sum all the items in a list.
2. Write a Python Programme to get a string from a given string where all occurrences of its first char have been changed to '&' except the first char itself.

Sample string : 'restart'

Expected result: 'restart'

3. A blood bank maintains data file "Blood.dad" that contains following information for very donor:  
Donor name, donor date of birth, donor address. donor phone number and donor blood group.  
Write a complete programme to do the following:
  - (a) Create a file of the donor
  - (b) Append a record in the file
  - (c) Display the records
  - (d) Given the blood group display name. address the donor.
  - (e) Modify the existing information of the donor.

## CHEMISTRY

1. Write the formulae & colours of the following salts-
  - (a) Potassium chromate
  - (b) Potassium dichromate
  - (c) Nickel Chloride
  - (d) Aluminium sulphate
  - (e) Manganese sulphate
  - (f) Lead acetate
  - (g) Copper sulphate
  - (h) Ferrous sulphate
  - (i) Potassium permanganate
  - (j) Zinc sulphate
2. Complete your investigatory project which you have been already allotted Project file should contain pages in the following order-
  - (a) Certificate
  - (b) acknowledgement
  - (c) Aim of project
  - (d) Introduction
  - (e) Theory
  - (f) Research and analysis
  - (g) Apparatus required
  - (h) Procedure
  - (i) Observation
  - (j) conclusion
  - (k) Precaution
  - (l) Bibliography.

## PHYSICS

Students you may complete any of the 2 activity as your assignment for summer holidays:

1. Physics Alphabet Book: You'll make a book where each letter of the alphabet stands for a different physics idea or law. For example, "A" could stand for "Archimedes' Principle," which explains how things float. You'll explain each idea using simple words and draw pictures to help understand them.
2. Physics in Everyday Life: In short essays, you'll talk about how physics is all around us in everyday life. You'll write about how physics affects sports, music, cooking, and even how we get from one place to another. The goal is to explain how the science of physics is involved in things we do every day.
3. Comparison Chart for Laws: You'll create a chart that compares different physics laws. Think of it like making a list that shows how these laws are similar and different. For example, you might compare Newton's Laws of Motion with Ohm's Law, and explain what each one does and how they're alike or different.

## PHYSICAL EDUCATION

1. Draw a ground or court on a chart paper of different game are listed below- Choose any one.
  - a) Kabbaddi
  - b) Kho-Kho
  - c) Volleyball
  - d) Cricket
  - e) Basketball
  - f) Hockey
  - g) Football

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