

English

Section A- Passage Comprehension

Skill Enhancer Assignment 3 pg. 9+11

Task 1-Discursive Passage

Task 2- Factual Passage

Section B - Writing and Grammar Section

Writing- Task 1- Descriptive Paragraph Skill Enhancer Assignment 6, pg 21

Task 2- Story Writing. (SE) Assignment 6, pg 23

Grammar- Skill Enhancer Assignment 10 pg 35

Task 1: Gap filling

Task 2: Error Exercise

Task 3: Sentence Reordering

Assignment 11, pg 37

Task 1: Gap filling

Task 2: Omission Exercise

Task 3: Reported Speech

Note: All work has to be done in the Skill Enhancer

Section C: Revise all the chapters done in Class.

Hindi

(१) *परियोजना कार्य

दिए गए विषय पर दो से तीन पृष्ठ पर एक परियोजना कार्य तैयार करके फाइल के रूप में प्रस्तुत कीजिए।

(१) भारत के पूर्वोत्तर राज्यों की प्रमुख समस्याएँ क्या हैं तथा उनका समाधान किस प्रकार किया जा सकता है? किसी एक राज्य से संबंधित समस्याएँ तथा उनके समाधान पर एक परियोजना कार्य तैयार कीजिए।

(२) पत्र लेखन

कक्षा नौ में प्रवेश करने पर वरिष्ठ छात्र वर्ग में सम्मिलित होने के मनोभावों को अपनी बुआ जी या मौसी जी से साँझा करते हुए एक पत्र लिखिए।

अथवा

विद्यालय की वाद- विवाद प्रतियोगिता में प्रथम बार सम्मिलित होकर विजेता बनने की प्रसन्नता को अपनी बड़ी बहन से साँझा करते हुए एक पत्र लिखिए।

Sanskrit

'अभ्यासवान् भव' नामक पुस्तक से निम्नलिखित पृष्ठों को करिए-

(3,4,21,22,26,27,47,48)

संस्कृत परियोजना कार्य:

निम्नलिखित विषयों में से किसी एक विषय पर श्लोक लिखकर उसका अर्थ लिखिए(विद्या, परोपकार, विद्यार्थी जीवन) उपर्युक्त कार्य आर्ट शीट पर करिए।

Maths

- 1 Solve the given practice sheet in Maths Revision Register.
 - 2 Do the activity of the identity $(a + b + c)^2$ in the lab manual .
- Note For the activity , a link will be provided in the class group. Refer to it.

Science-Physics

Do all the numericals of chapter " Motion" from NCERT book, on comment sheets.

Chemistry

Choose any one of the following topics & prepare a colourful file:-

- 1.Types of colloids
- 2.Evaporation(examples)in our everyday life
- 3.Differences between True solutions, colloids & suspensions
- 4.Processes that occur during change of state
- 5.Separation techniques-- Crystallization, Centrifugation, Chromatography & Distillation.

Biology

Prepare a Project File on any one of the following topics given below.

- ◆ Natural resources and its management
- ◆ Air and air pollution
- ◆ Ozone layer and its depletion
- ◆ Water and water pollution
- ◆ Rainwater harvesting
- ◆ Soil and its formation
- ◆ Soil erosion its causes ,effects and prevention
- ◆ Biogeochemical cycles
- ◆ Global warming and its effects

The project should include 6-7 sheets in all. The project will be judged on the basis of content, creativity and innovations.

Social science-Geography

Research any natural disaster that has occurred in India recently (2018-21) and present your findings on 5 art sheets. You must investigate the following:

1. Where, when and what type of disaster occurred
2. How the disaster affected the people and land in that area
3. Any technical advancement to monitor or predict future disaster
4. Preparations made or taken in an emergency situation during disaster.

History

Prepare the chapter The French Revolution for the August Test.

Political Science

Prepare the chapter What is Democracy? Why Democracy? for the August Test.

- 6) The base of an isosceles triangle measures 24 cm and its area is 60 cm^2 . Find its perimeter.
- 7) An umbrella is made by stitching ten triangular pieces of cloth, each measuring 60 cm, 60 cm and 20 cm. Find the area of cloth required for the umbrella.
- 8) A rhombus shaped filled has side 30 m and length of longer diagonal is 48 m. Find the area of the rhombus.
- 9) The perimeter of a rhombus is 20 cm. If one of its diagonals is 6 cm, find its area.
- 10) The sides of triangular plot are in the ratio 4 : 5 : 6 and its perimeter is 150 cm. Find its sides.
- 11) The semi- perimeter of a triangle is 132 cm and the product of the differences of semi perimeter and its respective sides (in cm) is 13200. Find the area of the triangle.
- 12) The area of a equilateral triangle is $16\sqrt{3} \text{ m}^2$. Find its perimeter.
- 13) Find the remainder when the polynomial $f(x) = 4x^3 - 12x^2 + 14x - 3$ is divided by $2x - 1$.
- 14) If $a = \frac{\sqrt{3} + \sqrt{2}}{\sqrt{3} - \sqrt{2}}$ and $b = \frac{\sqrt{3} - \sqrt{2}}{\sqrt{3} + \sqrt{2}}$, then find the value of $a^2 + b^2$.
- 15) If $x = 0.064$ then find the value of $\left(\frac{1}{x}\right)^{\frac{1}{3}}$.
- 16) Rationalize the denominator of $\frac{4}{2 + \sqrt{3} + \sqrt{7}}$.
- 17) Is π a rational number? Justify your answer.
- 18) Find four rational numbers between $\frac{3}{5}$ and $\frac{4}{5}$.
- 19) If $a = 7 - 4\sqrt{3}$, find the value of $\sqrt{a} + \frac{1}{\sqrt{a}}$.
- 20) If $\left(\frac{3}{4}\right)^6 \times \left(\frac{16}{9}\right)^5 = \left(\frac{4}{3}\right)^{x+2}$, find the value of x .
- 21) When the polynomial $x^3 + 4x^2 - 11x - 26$ and $6x^3 + 17x^2 + ax - 8$ are divided by $x + 2$, then remainders are the same. Find the value of a .
- 22) Find the remainder when $p(x) = x^4 - 3x^3 + 2x^2 + x - 1$ is divided by $x - 2$.
- 23) In a rhombus, lengths of diagonals are 400m and 410m. Find the area and side of the rhombus.
- 24) Sides of a triangle are 70cm, 80cm and 90cm. Find its area. (Use $\sqrt{5} = 2.23$).