PATEL INTER COLLEGE

CIVIL LINES, FATEHPUR, UTTAR PRADESH

SUMMER HOLIDAY
HOME WORK

NAME:...

CLASS:...

ROLL NO..

SHIVAJI GROUP OF INSTITUTIONS
SUMMER VACATION WORK (2025-26)
CLASS- 10 E

Subject	Holiday Work
Math	1. Taking two papers of size 28x42 cm each and folding them respectively length wise width wise to form two different cylinders . To find whose value and curved surface are more. 2. Find quadratic formula by the method of completing the square . (On chart paper)
English	1. Make a chart of Tenses with rules and examples. 2. Make a chart of parts of speech and give it details . 3. Write the short composition on following topics . a) Life in a small village . b) Conservation of water .
Hindi	परियोजना कार्य :- 1. आर्ट पेपर पर डॉ राजेंद्र प्रसाद के छत्र सहित मुख्य बिंदु लिखें	(छात्र अनु० 1 से 28 तक) 2. रीतिकाल का चार्ट आर्ट पेपर पर बनाएँ (छात्र अनु० 29 से 56 तक) **सभी छात्रों के लिए** 3. पत्र लेखन – सड़क कि समस्या के सम्बन्ध में नगर पालिका के अधिकारी कों पत्र लिखे | 4. निबंध – विज्ञानं वरदान या अभिशाप लिखें | 5. प्रतिदिन एक पेज सुलेख लिखें	
SST	**Ques- No. 1** ➢ Compare India's economics development with other countries highlighting its strengths and weakness. (Roll No. 1 To Roll No. 28) **Ques- No. 2** ➢ Sustainable Development a) Meaning of Sustainable Development b) Issue of Sustainable Development c) Importance of Sustainable Development d) Meetings / Reports / Summit related to Sustainable Development . e) Current Status of development . (Roll No. 29 To 56) **Ques- No. 3** Students can make a poster of any one topic – 1. Water pollution (Roll No. 1 To 28) 2. Deforestation and Green House Effects. (Roll No. 29 To Roll No. 56) Instructions :- Ques No. 1 and 2 has to be done in comment sheets. ➢ List of contents with page number –approx……15 pages. ➢ Ques no.-3 has done in art sheet with coloured sketch pen and related pictures . ➢ The performa should be attached on the first page of the project – 　　Student's Name- 　　Roll no.- 　　Class- 　　Topic- 　　Signature-
Biology	Make a neat , labelled and colorful poster (Chart) on the topic given below OR Make a project file on the topic given below . • Roll No. 1 To 15 – Human Digestive System . • Roll No. 16 To 30 Digestive Enzymes Secretion and function . • Roll No. 31 To 45 Autotrophic and Heterotrophic Nutrition . • Roll No. 46 To 60 Photosynthesis.
Chemistry	Make an assignment on following topic in A4 sheet- **Roll No. 01 to 15-** Make a PH chart of following with colour and nature- a) Tomato juice b) Lime water c) Lemon juice d) Distill water e) Tap water **Roll No. 16 to 30-** Give a test to detect Carbon di oxide according to your experiment. **Roll No. 31 to 45-** Make a chart with picture on flame test of following ions- Na^+, K^+, Cu^{++}, Ca^{++} **Roll No. 46 to 60-** Make a project on combination reaction, and displacement reaction .
Physics	1. Reflection and refraction of light = Use diagrams to explain laws and real life applications (Mirror and lenses) **Roll No. 01 to 10** 2. Human eye and defects of reason = study structure, working and correction of myopia and hypermetropia **Roll No. 11 to 20** 3. Working of electric motor and generator **Roll No. 21 to 30** 4. lenses and image formation = Explain how convex and concave lenses form images with ray diagrams. **Roll No. 31 to 40** 5. work power and energy in real life = Define formulas and examples. **Roll No. 41 to 50**
Computer	➢ Define the history of C language with its characteristics . (C भाषा का इतिहास क्या है , इसकी क्या-क्या विशेषताएँ है, बताइए |) ➢ Write a program to calculate factorial of given number. (C भाषा में फक्टोरियल

ज्ञात करने के लिए प्रोग्राम बनाइए|)

➢ Define Control statement with its types and an example. (कंट्रोल स्टेटमेंट क्या होते है यह कितने प्रकार के होते है? प्रत्येक का वर्णन उदाहरण सहित कीजिये|)

➢ What is looping statement also define its type with an suitable example. (C भाषा में प्रयोग होने वाले सभी प्रकार के लूपिंग स्टेटमेंट का वर्णन उदहारण देकर कीजिये|)

What is an Array? How many types of array define each with an example, also differentiate between 1-D array and 2-D array? (ऐरे से आप का क्या तात्पर्य है , यह कितने प्रकार का होता है उदहारण देकर बताइए और साथ ही एक-विमीय ऐरे एवं द्वि-विमीय ऐरे में अन्तर भी स्पष्ट कीजिये|)

Art	**NOTE - Attempt all the question –** 1. Draw the original ornamental design in a rectangle of 16X12 cm. on your drawing sheet . Make an ornamental design in it for the center of the floor .which is based on Sunflower , its bud , leaves and a fish ,Design should be painted in any three water colours. **Technical Art-** 2. Prepare a geometrical design based on lines , semi-circles and arcs in a square of 8.cm side. 3. Construct a regular hexagon of side 3.1 cm. Prepare a geometrical design based on other regular hexagon inside it . 4. Memory- I. Open umbrella II. A pen kept on a book III. Mug and a bucket IV. Table lamp V. Box and book put on it.