SUB	Assignment (Common to all - in HW copy)	Roll No.	Creative Work
ENGLISH	Stick cut outs of any articles from an English newspaper and mention problems, causes, effects and solution.	1-10 3D CHART	Prepare a comic strip of the story "The Gold Frame"
		11-20 PPT	Rewrite the story 'The Luncheon' in dialogues without any narration.
		21-30 MODEL	Prepare 5 Menu Cards of hotels located in different continents of the world. Also write the basic ingredients of any one dish from each menu card.
		31-40 PROJECT	Prepare a wall hanging of timeline of R.K Narayan, highlighting his major works.
HINDI	1. आपकी पाठ्यपुस्तक के पाठ–2 "लाख की चूड़िया" में से पाँच अतिरिक्त प्रश्नों का निर्माण कीजिए तथा उनका उत्तर 100 शब्दों में लिखिए। 2. बस की यात्रा पाठ हरिशंकर परसाई द्वारा लिखित एक व्यंग्य है उसी से प्रेरणा लेते हुए स्वच्छता विषय पर स्वलिखित व्यंग्य तैयार कीजिए। 3. जिस प्रकार "लाख की चूड़ियाँ" पाठ में लेखक को लाख की चूड़ियों के बनने की संपूर्ण प्रक्रिया की जानकारी थी, उसी प्रकार आपके द्वारा देखी गई किसी भी एक कारीगरी की प्रक्रिया का साक्ष्य के साथ विवरण लिखिए। 4. प्रकृति से संबंधित एक स्वचरित कविता लिखिए।	1-10 MODEL	तुलसीदास द्वारा रचित रामचरित मानस का एक पुस्तकीय मॉडल तैयार कीजिए जिसमें प्रत्येक कांड का सचित्र तथा संक्षिप्त वर्णन कीजिए।
		11-20 3D CHART	प्रकृति से संबंधित कविताओं को खोजकर उन पर एक श्री डी चार्ट बनाइए।
		21-30 PPT	मध्यप्रदेश के किसी भी एक ऐतिहासिक स्थल की इतिहास संबंधी जानकारी देते हुए पी पी टी तैयार कीजिए।
		31-40 PROJECT	समाचार पत्र पढ़कर देश विदेश के दस आश्चर्यजनक घटनाओं से संबंधित समाचारों को फाइल में एकत्रित कीजिए।

MATHS	50 Questions given in the Attachment.	1-10 CHART	. Make a chart on any topic of Algebra.
		11-20 MODEL	Make a Model on an Application of Geometry
		21-30 CHART	Make a chart on Mensuration
		31-40 MODEL	Make a Model on Data handling
SCIENCE	1. Read the autobiography of a Microbiologist and write a short report . 2. Darwin Theory of evolution states that, "Evolution is a very slow process that takes place over thousands of generation over millions of years" Describe why it occurs so quickly in bacteria. 3. Pesticides are poisonos chemicals used to kill pests in a field. Do you believe it can any how enter the food chain and harm human beings. 4. Write a short note on biopolymers.	1-10 EXPERIENTIAL LEARNING	Set your own curd at home and prepare a dish. Take photographs and write a short note and describing the process. a. Why does curd set faster in summer? b. Why lukewarm milk is used to set curd? c. What chemical reaction takes place in setting curd? d. Which other flavour curds can be set & how?

		11-20 QUESTIONER SURVEY	Conduct a survey of 10 families in your neighbourhood and find out–
			   a. How much of polythene they throw in waste every day?
			   b. Which type of bags they use when go to buy vegetables and
			       groceries.
			  Generate questionnaires and write your inferences.

		21-30 3D CHART	Make a poster highlighting the useful and harmful effects of microorganisms.
		31-40 PROJECT	Visit 10 families in your neighbourhood and enquire about the kind of clothes they use ;the reason for their choice and advantages of using them in terms of cost;durability and maintenance

S.S.T	AS GIVEN IN THE SEPARATE ATTAACHMENT		
SANSKRIT	इदम् शब्दरूप तीनों लिंग एवं अस्मद्, युष्मद् शब्दरूप।	1-10 (थ्रीडी चार्ट)	श्रीमद्भगवद्गीता के 18 अध्यायों के नाम सचित्र लिखिए।
		11-20 (फाइल)	श्रीमद्भगवद्गीता के 18वें अध्याय के श्लोक संख्या 1—10 अर्थ सहित लिखिए।
		21-30 (पी.पी. टी.)	श्रीमद्भगवद्गीता के 18वें अध्याय के श्लोक संख्या 11—20 अर्थ सहित लिखिए।
		31-40 (मॉडल)	श्रीमद्भगवद्गीता के 18वें अध्याय के श्लोक संख्या 21—30 अर्थ सहित लिखिए।
COMPUTER	Create a presentation using Prezi or Emaze Software and email it at vinodbisht@spsbhopal.ac.in	1 - 10	Bermuda Triangle-Miracle or Science
		11 - 20	Life@sps
		21 - 30	Best alternate fuel to petrol and diesel
		31 - 40	Top ten discoveries of the decade

Note : 1. Summer vacations from 01-05-2018 to 16-06-2018   2. School will reopen on 18-06-2018, Monday.
3. Timings from 18-06-2018 will be 7:15 am to 2:00 pm   It is a compulsory working day.
4. Assignments to be submitted from June 18 to 20, 2018

PRINCIPAL

ENVIRONMENTAL CONCERN:

**USE OF THERMOCOL IS HARMFUL
TO ENVIRONMENT,**

LET'S AVOID.

Mental Maths

1. _____ on dividing any given integer gives the result as undefined.

2. $\frac{2}{3}$ of $18 =$ _____

3. Find $\frac{3}{16}$ of $3\frac{5}{9}$ of 21.

4. How many digits in the whole number part will be there in the product of 23.19 and 144.34?

5. Write the reciprocal of $\frac{1}{5} - \frac{1}{6}$

6. Multiply $\frac{1}{7} \times \frac{(-3)}{5} \times \frac{7}{21}$

7. Find the value of $\left[\left\{\left(-\frac{1}{3}\right)^3\right\}^{-\frac{1}{3}}\right]^2$

8. If an algebraic expression contains three terms, it is called _____

9. Find the value of y for which the expression y-15 becomes equal to 2y+1.

10. Find p such that 35: p:: 23: 17.

11. In how many years will Rs. 20000 amount to Rs. 23000 at 5% per annum simple interest?

12. What is the complement of 47^0?

13. Two angles form a linear pair. If one of them is one-fourth of the other, find the measure of two angles?

14. In a right-angled triangle, if the lengths of the legs are 8 cm and 15 cm respectively, then the length of the third side will be_____.

15. By what minimum angle does a regular hexagon rotate so as to coincide with its original position for the first time?

HOTS and PSA

1. On 5th April, Kolkata had a day temperature of 33°C and on the same day Ladakh had a day temperature of 23° F. find the difference in °C (use the formula $\frac{C}{5} = \frac{F-32}{9}$).

2. When $\frac{3}{16}$ multiplied by a, we get 1. Find the value of a.

3. Raj and Rahul were supposed to add 45.69 and 3456.90 using a calculator. Raj got 75.659 as an answer while Rahul got 3411.21 as an answer. What mistake did they make?

4. Convert $0.\overline{594}$ into a rational number.

5. The most runs scored in an inning is $\frac{1}{9}$ of the total and the second highest was $\frac{1}{9}$ of the rest. If the scores differ by 7, find the total runs scored in that inning.

6. If $3^{2x} \times 3^2 = 729$, find the value of x.

7. While solving an exponent question, Rohit said that $\frac{3^5}{9^5}$ is same as $\frac{1}{3}$. What mistake did he make?

8. A telephone chord had 8 circular spirals, each spiral having a diameter of 12a+6b. Find the total length of the chord.

9. The sum of two numbers is 2490. If 6.5% of one number is equal to 8.5% of the other, find the numbers.

10. If $\frac{x+4}{2} + \frac{x-3}{3} = \frac{x+2}{4} + \frac{x+3}{5}$, find the value of x.

11. A certain sum of money at a certain rate of simple interest doubles itself in 10 years. In how many years will the same sum become three times at the same rate of interest?

12. ABC is a triangle with base BC and $\angle ABC = 60^0$. Through A, a straight line PQ is drawn parallel to BC. If $\angle QAC = 55^0$, find the measure of $\angle BAC \; and \; \angle ACB$.

13. In an isosceles triangle, the measure of one angle is 90^0 and base =altitude = x cm. Find the length of the hypotenuse.

14. Draw a net of a cuboid having the same breadth and height, but length should be twice of the breadth.

15. Find the width of a circular track with outer circumference 264 m and inner circumference 220m.

Real Life Application

1. The second highest point measured above sea level is the summit of kangchenjunga which is 8,586 m above sea level and the lowest point is challenger deep at the bottom of Mariana Trench which is 10,911 m below sea level. What is the vertical distance between these two points?

2. A first aid kit has 2 ointments for Rs. 11.35 each, 5 bandages for Rs. 3.60 each, 3 antiseptic lotions for Rs. 37.80 each and a pair of scissors for Rs. 23.50. The box costs Rs. 50.40. How many such first aid boxes can be purchased for Rs. 4560?

3. One fruit cream recipe requires $\frac{1}{2}$ cup of sugar while another recipe for the same fruit cream requires 2 tablespoon of sugar. If one tablespoon is equivalent to $\frac{1}{12}$ cup, how much more sugar does the first recipe require?

4. In a school, on the first day 1 student was present, on the second day 2 students were present, on the third day 4 students were present, on the fourth day 8 students. How many students would be there on the 9th day?

5. A class of x students has planned a picnic. If each student paid Rs. 60 and out of which Rs.1500 is paid in advance for transport, how much money is left with them to spend on the other items?

6. In a bag, the number of 50-paise coins is three times the number of one rupee coins. If the total worth of the coins is Rs.120, find the number of 50-paise coins.

7. Kanishka earns Rs. 60,000 per month and spends 75% of it. Due to appraisals, her monthly income increases by 25%, but due to rise in prices, she has to spend 15% more. Calculate her new savings.

8. During a heavy storm a tree breaks at a height of 6 m from the ground. Its top touches the ground at a distance 8m from its base. Find the original height of the tree.

9. In ΔPQR and ΔDEF, $\overline{QR} = \overline{EF}$, $\angle P = 90^0$, $\angle Q = \angle E = 30^0$ and $\angle F = 60^0$. Is ΔPQR congruent to ΔDEF ?

10. A card is drawn at random from a deck of 52 cards. What is the probability that the card is an 8?

Inter-Linking with Other Subjects

1. An atom is made up of charged particles called electrons and protons. Each proton is positively charged and represented as +1 and each electron is negatively charged and represented as -1. The number of electrons and protons in an atom is equal.
   (a) What is the charge on an atom?
   (b) If an atom loses an electron, then what will be the charge of the atom?
   (c) If an atom gains an electron, then what will be the charge of the atom?

2. Reema gives $\frac{1}{2}$ of her cake to her friends and $\frac{1}{6}$ to her family. How much of the cake was left for her?

   Do you also share your things with your friends and family?

3. The cost of making a film is Rs. 3900000.67. If the theatre makes a profit of Rs. 3500000.78 after selling 27,456 tickets in three months, what is the price of each ticket ?(Assume the price of tickets remains the same for three months.)

4. Shivam and Naveen donate some money in a flood relief fund. The amount donated by Naveen is Rs. 375 more than that donate by Shivam. If the total money paid by them is Rs. 1,175, find the amount of money donated by Shivam. Have you ever helped flood victims?

5. Two friends Rahul and Rachit, divided $\frac{55}{2}$ kg of mangoes equally between themselves. How many kg of mangoes did each

   get? Can you tell why equal sharing is important?

6. In the first container, the concentration of acid is 30%. In the second container, concentration of acid is 50%. One litre of solution is taken from each container and mixed together. Find the percentage of resultant concentration.

7. Aman earns Rs. 36000 as his monthly salary. He pays 25% of his salary as house rent. What is his house rent? He donates Rs. 8,400 per month for the education of orphans. What percent of his salary does he donate? What values do you learn in this question?

8. The distance between the moon and the earth is 3,84000 km approximately. The moon revolves around the earth in a circular path. Find the distance covered by the moon in one complete revolution.

9. There are two parallel roads in the city. A narrow lane joins these two roads. What is the sum of the angles on the same side of the lane?

10. Record the maximum and minimum temperature of your city from newspaper or television for a week. Find the mean temperature of all these days and then represent the mean temperature on a bar graph.

ROLL NO.	TOPIC
1-6	**HISTORY-** In a timeline show the various policies adopted by the EIC to annex Indian Territories. **GEOGRAPHY**- Refer to www.waterencyclopedia.com and research on drought management. **CIVICS**- Refer to www.agriculture.gov.in and find out the objectives of Gram Swaraj Abhiyan to be started by Ministry of Panchayati Raj.
7-12	**HISTORY**- Make timeline showing the arrival of different trading companies in India. **GEOGRAPHY-** On a map of India show the earthquake prone regions and discuss the nature of losses aftershocks, implications of aftershocks and recognizing an earthquake. **CIVICS-** Refer to www.agriculture.gov.in and find out the objectives of Gram Swaraj Abhiyan to be started by Ministry of Panchayati Raj.
13-18	**HISTORY**- Make a timeline showing the Anglo-Maratha War and Anglo- Sikh War. **GEOGRAPHY**- Refer to www.ndma.gov.inand find out about Tele-tsunami representing it on a map and research on ice calving **CIVICS**- Prepare a file on Sagar Mala Project , launched by Ministry of Shipping of India . Highlighting its impact on India's trade , focusing on role of Coastal Economic Zones and Coastal economic units .
19-24	**HISTORY**- Governor General Dalhousie is known as the maker of modern India . In a timeline show his reforms brought in India. **GEOGRAPHY-** Classify landslides showing it on a chart. Find out about- submarine landslide, translational slides, rotational slide, spreads and flows. **CIVICS-** Refer to www.standupmitra.in and prepare a file on the objectives of Standup India scheme.
25-30	**HISTORY**- Make a timeline of all the Governor Generals of India and their main reforms. **GEOGRAPHY**- On a map of India show the flood prone regions, refer to www.un.org to find out key elements of flood disaster management. **CIVICS-** Prepare a file on DARPAN project , showing its role in financial inclusion of rural population of India.
31-36	**HISTORY**- In a timeline show the various policies adopted by the EIC to annex Indian Territories. **GEOGRAPHY**- Make a collage on the volcanic eruptions and find out about the different types of volcanoes. **CIVICS-** Refer to www.mahilaehaat-rmk.gov.in and prepare a file on how Mahila e-Haat is empowering women entrepreneurs and conserving our tribal heritage.
37-40	**HISTORY-** Governor General Dalhousie is known as the maker of modern India . In a timeline show his reforms brought in India. **GEOGRAPHY**-On a map of India show the earthquake prone regions and discuss the nature of losses aftershocks, implications of aftershocks and recognizing an earthquake. **CIVICS**- Refer to www.agriculture.gov.in and find out the objectives of Gram Swaraj Abhiyan to be started by Ministry of Panchayati Raj.