MANSAROWAR VIDYALAYA – JANJGIRI
ENGLISH MEDIUM

Summer Vacation Work
Session- 2022-23
CLASS-9

Dear Parents,
It is summer vacation time again, a time to relax as well as fruitfully occupy the children in various scholastic and co-scholastic areas. Keeping this in mind, our teachers have painstakingly designed interesting Projects / Assignments for children to be completed during the summer vacation. This would encourage in-depth learning, strengthen concepts and prepare ground for improved academic output. As parents, kindly motivate and lend support to your children and ensure that they complete the given work well-in-time and to the best of their ability. Your encouragement can actually make a huge difference to the ultimate learning outcome of these projects. We would be happy if parents encourage children to work on their own.

HINDI

1. पता कीजिये की कौन से सांप विषैले होते है ?उनके चित्र एकत्र कीजिये औरउ नके बारे में लिखिए|(A4 chart paper)
2. भारत के किन किन वैज्ञानिको को नोबेल पुरस्कार मिला है?उनके चित्र सहित उनके बारे में लिखिए|(A4 chart paper)
3. पर्यायवाची शब्द लिखो(कोई२०) (उत्तर अपनी हिंदी कॉपी में लिखे)
4. मुहावरे लिखिए(कोई२०) (उत्तर अपनी हिंदी कॉपी में लिखे)

ENGLISH

1. Read English newspaper daily. Note 5 new words daily and write their meanings. (CW copy)
2. Write a Biography of famous Scientist Stephen Hawking in 200 words.
3. You attended the wedding of your elder brother. Your friend living abroad has asked you to describe at to him. Write a paragraph on the event in about 100-150 words, giving all the details.
4. Write a story in 200 words taking note of below mentioned clue:
   "It was midnight. The sky outside was dark as it was a moonless night. Suddenly, a shrill loud voice from far across the jungle was heard. I was terrified…………..
5. Write the meaning of the following words from dictionary. Learn the spelling and meaning of word list provided for spell bee competition.

WORD LIST FOR SPELL BEE FOR CLASS 9					
accommodate	Abstain	accumulate	Necessity	negligence	frostbitten
accustomed	Acoustics	acquaintance	Newsstand	nostalgia	grotesque
acquisition	Acquittal	adolescence	Obesity	obscure	hazardous
circumference	Collaborate	collateral	Schedule	occurred	horrific
colleague	Colonel	confiscate	Scholar	optimistic	perceive
confiscation	Conscious	consequence	Shrine	parachute	Minimize

considerable	Contagious	controversy	Snobbery	penitentiary	glamorous
continuous	Correlation	council	Studious	perseverance	gymnasium
counsel	Criticism	criticize	Surmise	persuade	headquarters
Critique	Crypt	cylinder	Taboo	pneumonia	hospitality
deficiency	Desirable	desolate	Tyranny	precipice	personality
deterrent	Diagnosis	dialogue	undernourished	preferably	scandalized
dilemma	Disbursement	discernible	Unique	propeller	gorgeous
discrepancy	Dominance	embargo	Unsanitary	pseudonym	haphazard
endeavour	Envious	epidemic	Vacillate	radioactive	honorary
equilibrium	Erroneous	escalator	Vessel	rehearsal	incidentally
excessive	Existence	extremity	Vitamin	roommate	phenomenon
extricate	Façade	fashionable	Voracious	sanctuary	sacrifice
fiasco	Fibrous	fiery	Meteor	vulnerable	noticeable
flamboyant	Forgery	frivolous	Neutral	politician	obsolete
ominous	Outrageous	prosperous	Rampage	precocious	
confiscation	Paralysis	psychiatrist	Relevant	prestigious	

MATHEMATICS

1. Express the following rational as decimals:
   a) $\frac{2}{11}$ b) $\frac{22}{7}$ c) $\frac{327}{500}$ d) $\frac{-2}{15}$

2. Express each of the following decimals in $\frac{p}{q}$

   a) 0.3   b) 0.75   c) 0.621   d) 4.7

3. Prove that $\sqrt{n}$ is not a rational number ,if n is not a perfect square.
4. Represent $\sqrt{6}$ on the number line

5. Simplify: a) $3(a^3b^4)^{10} \times 5(a^2b^2)^3$ b)) $(2x^{-2}y^3)^3$

6. Prove that: a) $\frac{1}{1+x^{a-b}}+\frac{1}{1+x^{b-a}} = 1$ b) $(a^{-1} + b^{-1})^{-1}=\frac{ab}{a+b}$

7. Simplify: a) $(3+\sqrt{3})(2+\sqrt{2})$ b) $(3+\sqrt{3})(5-\sqrt{2})$

8. Rationalise the denominator and simplify a) $\frac{\sqrt{3}-\sqrt{2}}{\sqrt{3}+\sqrt{2}}$ b) $\frac{5+2\sqrt{3}}{7+4\sqrt{3}}$

9. Visualize the Number in Number line by successive magnification.

   a) 3.765   b) 8.2525

10. Simplify : a) $(4x + 2y)^2+(4x - 2y)^2$
    Solve questions in mathematics notebook.

SCIENCE

1. Learn the Symbols, atomic number, atomic mass of 1st 20 elements of periodic table also learn the Latin names of elements.
2. Learn ch-1 Matter in our surroundings. Learn all notebook work.
3. Explain different types of motion with example.
4. Define a) Distance b) Distance c) Displacement e) Acceleration f) Average speed
5. What does odometer and speedometer measure.

6. A scooter covers a distance of 3 km in 5 minutes. Calculate its speed in a) meters per second b) km per hour.
7. A driver decreases the speed of car from 25 m/s to 10 m/s in 5 sec. Find the acceleration.
8. What is the difference between uniform and non- uniform motion?
9. Write information about 5 scientists related to Biology.

Write answers in your science notebook.

SOCIAL SCIENCE

1. Learn and memorize answers of History chapter 1.
2. Complete the question on Map skills of Geography Chapter 1 – India Size and Location, and attach in your Geography copy.
3. What are the different ways of increasing production on the same piece of land? Use examples to explain. Write answer in notebook
4. Define the following terms. (Write answer in notebook)
   a) Economics
   b) Scarcity
   c) Sustainable
   d) Factors of production
5. Prepare a mind map of "French Revolution" on a chart. (Full size)

Note:

- **Important - Marks assigned for summer vacation completion is 10 marks per subject. Students must complete the vacation work in time.**
- **Submit the assignment on 17th June 2022.**
- **Summer vacation starts from 26th April to 15th June 2022 and school will reopen on 16th June 2022.**