

JPDAVPUBLIC SCHOOL, GANAUR

HOLIDAY'S HOMEWORK – 2019-20

CLASS IX ENGLISH

You can download the English holiday homework from the following link:

<https://drive.google.com/folderview?id=14UbbEctj3WR3DmswCkXk9BOHR2WA2LBZ>

HINDI

कक्षा नौवीं (2019-20)

शीघ्रमावकाश गृहकार्य

- स्पर्श शब्द भाग - पाठ 1 से 5 तक याद करो ।
- स्पर्श पद्य भाग - पाठ 1 से 2 तक याद करो ।
- संचयन पाठ - 1 याद करो ।

संवाद लेखन

- * शिक्षण संस्थानों में छात्रों की सुरक्षा को लेकर दो मित्रों के बीच संवाद
- * पुत्र - पिता के बीच पट्टी गेम को लेकर संवाद
- * क्रीडा शिक्षक और छात्र के बीच संवाद (किसी भी क्रीडा के सम्बन्ध में)

अनुच्छेद लेखन

- * प्रधानमंत्री जन-धन योजना - शरीरों के लिए वरदान
- * खेलकूद में कीर्तिमान रचती महिलाएँ
- * फैशन की होड़ में विगड़ता बजट

विज्ञापन लेखन

- * दंत क्षिति दूधपेस्ट
- * चेतक मोटरसाइकिल
- * पुराने घरेलू फर्नीचर
- * कोई पांच चित्र चिपकाकर (चित्र लेखन) कीजिए ।

MATHS

1. Locate $\sqrt{17}$ on the number line.
2. Locate $2+\sqrt{2}$ on the number line
3. Locate $3-\sqrt{2}$ on the number line
4. Rationalizing the denominator $4\sqrt{3}+5\sqrt{2} / 4\sqrt{3}+3\sqrt{2}$
5. Rationalizing the denominator of $\sqrt{6}+\sqrt{3} / \sqrt{6}-\sqrt{3}$, if $\sqrt{2}=1.41$
6. Find the value of a and b . $5+2\sqrt{3} / 7+4\sqrt{3} = a-b\sqrt{3}$
7. If $a= 2+\sqrt{3}$, then find the value of $a-1/a$
8. If $a = 2-\sqrt{5}$, find x^2+1/x^2
9. Simplify:- $1/\sqrt{2}+\sqrt{3}+\sqrt{5}$
10. For what value of m is x^3-2mx^2+16 divisible by $x+2$ (ANS. $M=1$)
11. If remainder is same when ax^3+3x^2-13 and $2x^3-5x+a$ are divided by $x+2$, find the value of a (ANS. $A=5/9$)
12. Show that $y-1$ is a factor of $y^{20}-1$ and also of $y^{21}-1$
13. Factorize $9x^3-3x^2-5x-1$
14. If $x + y=8$ and $xy=15$, find the value of x^2+y^2
15. Factorize $x^4-1/64$
16. If $a+b+c=9$ and $ab+bc+ca=26$ find $a^2+b^2+c^2$
17. If $a^2 + b^2 + c^2=250$ and $ab+bc+ca=3$ find $a+b+c$
18. If $a^2 + b^2 + c^2=90$ and $a+b+c=20$, find the value of $ab+bc+ca$
19. Factorize a^7+ab^6
20. if $a + b + c=12$, $a^2 + b^2 + c^2=90$, find the value of $a^3+b^3+c^3 - 3abc$
21. total number legs in a herd of goats and hens is 40. Express the information in the form of linear equations in two variables?
22. Draw the graph of the equation $2x+3y-6=0$
23. Find the point where $3x+2y=12$, intersects y-axis (ANS. $0,6$)

SCIENCE

PHYSICS

- 1) Draw all the distance-time and velocity-time graphs.
- 2) Derive all the equations of motion graphically.
- 3) Prepare an Assignment on the topic 'Force'.
- 4) Do at least 30 numerical related to the chapter 'Motion'.
- 5) Do complete the lab manual.
- 6) Prepare an assignment on the biography and discoveries on any Indian Scientist.

NOTE- Do all the work on Assignment Coloured pages.

CHEMISTRY

Q1: Solve the given Assignment as provided on **Snap Homework**.

Q2: Revise syllabus done in class.

Q3: Prepare the table as follows-

S.no	Name of element	Symbol	Atomic no.	Atomic mass

Draw the table up to 1-20 elements.

Q4: Complete your lab manual as follows-

(Aim, Apparatus used and chemicals required procedure observation table and result.)

Q5: Collect information about different separating techniques which are used in your surroundings and paste their pictures on A4 size sheet.

BIOLOGY

Q1: Revise chapter tissues and the fundamental unit of life.

Q2: Visit a zoological garden (zoo) and botanical gardens and study the diversity present there. Write details of at least 10 animals or plants you spotted there. Take selfies there and paste at least one photograph of yours to justify your visit.

Q3: Solve the given assignment as provided on **Snap Homework**.

SOCIAL SCIENCE

1. Prepare PPT on the election system in India.
2. Make a project on physical feature of India
3. Fill and practice the map of the following chapters of Geography :-
Chapter 1 Size and location
Chapter 2 Himalayan mountain
Major mountain ranges
Plataeu
Costal plain
4. Read and find out extra question answers of one marks (chapters done in the class.)
For quiz.
5. Make a life sketch of Nepolean Bonaparta .

I.T. (VOCATIONAL)

UNIT – I Employability skills

UNIT – II Fundamentals of computer

UNIT – III Master typing

NOTE: Fill all exercise of unit one in your book only.

Read and write unit 2 and prepare for test

UNIT – 3 Read and write solved portion in your note book and find out unsolved portion in book