

D.A.V. PUBLIC SCHOOL, BERHAMPUR, ODISHA

HOLIDAY HOMEWORK

Std. XII (2019 - 20)

(TO BE COMPLETED DURING SUMMER VACATION)

C: 44/2019-20

Dt: 20th May 2019

Dear Students

- You are quite aware that your school has closed for Summer Vacation from 15th May 2019 to 17th June 2019 and shall reopen on 18th June 2019. **However, School office at Gandhi Nagar will remain open during Summer Vacation on all working days for all office related matters.**
- Please note the Bus / School Timing on 18th June 2019 shall be 07:30 am to 11:30 am.
- Subject wise Holiday Homework is given below, to be completed during Summer Vacation. You have to submit all completed Records and Notebook soon after the school reopens to the respective subject Teachers.
- Read the instructions carefully and work accordingly.


Principal In-Charge

A. ENGLISH

I. Answer the following questions each in 30- 40 words in a separate Notebook.

1. Why were the villagers present in the class that day?
2. What is the significance of mother tongue for national integration?
3. Why did Charley decide to take the subway?
4. Why did Charley wish to go to Galesburg?
5. Why was the Tiger King so anxious to kill the 100th tiger?
6. How did the Maharaja die? What does his death show about the science of astrology?
7. Where was the poet going? What did she notice about her mother?
8. Why did the poet bring in the image of 'trees sprinting' and 'merry children spilling out of their homes'?
9. Why did the poet compare her mother's face to late winter's moon?
10. What was the poet's childhood 'ache' and 'fear'?
11. What does the smile and parting words of the poet signify?
12. Who was Dr. Sadao? Where was his house located?
13. Why did Dr. Sadao and Hana decide to carry the enemy soldier home?
14. What were the reactions of the servants on hearing about the enemy soldier at their master's home?
15. Why did the general not interfere in the matter of the enemy soldiers?
16. Why did Dr. Sadao decide to get rid of the enemy soldier?
17. Why did Saheb become a ragpicker?
18. Why was Saheb not happy working at the tea stall?
19. Why did the bangle makers not organize themselves into a co-operative?
20. Who was Mukesh? What was he dreaming of?
21. How have the family of bangle makers received bangle making?

II. Answer the following questions each in 125-150 words in a separate Notebook.

22. Quality education should be the sole purpose of any school. Teachers, students and parents have to work together to achieve it. Discuss.
23. How did Charley reach the third level of Grand Central? How was it different from the other levels?
24. How did the Tiger King meet his end? What is ironical about it?
25. How did Dr. Sadao discharge his duties as an individual and as a loyal Japanese citizen?
26. Draw a character sketch of General Takima.
27. Justify the title of the lesson 'Lost Spring'.

B. MATHEMATICS

1. Workout the problems in a separate notebook, including all examples and exercises of NCERT Exemplar Mathematics book of the chapters Relation and function, Inverse Trigonometric Function, Matrices, Continuity and Differentiability.

2. List of projects for different groups is as follows:-

GROUP	SECTION	ROLL NO	NAME OF THE PROJECT
1.	A, B, C	01 to 05	History of Mathematicians. (Both Indian and Foreign)
2.	A, B, C	06 to 10	Mathematics and Chemistry. (Study structure of organic compounds)
3.	A, B, C	11 to 15	Mathematics and Biology. (Study of Science of Heredity)
4.	A, B, C	16 to 20	Mathematics and Music
5.	A, B, C	21 to 25	Mathematics and Environment
6.	A, B, C	26 to 30	Mathematics and Arts. (Construction of shapes using curves)
7.	A, B, C	31 to 35	Mathematics and I.C.T. (Writing Mathematical programme, flow chart, algorithm, circuit diagram etc.)
8.	A, B, C	36 to 40	Collection of statistical data and analysing it for standard deviation and mean deviation.
9.	A, B, C	41 onwards	Observe the various patterns and properties in Pascal's triangle and make a project on chart paper of full size.

C. PHYSICS

- Solve Examples & Exercise of Chapter 1 and 3.
- Solve numerical of NCERT Exemplar of Chapter 1 and 3.
- Complete the Project File – Draft copy to be submitted on the day of reopening of School.

D. CHEMISTRY

- SOLUTION:** Solve the following questions:
In text Questions: 2.1 to 2.12
Exercise Questions: 2.5, 2.8, 2.9, 2.16, 2.19, 2.32, 2.33 & 2.41
- ELECTROCHEMISTRY:** Solve the following questions:
In text Questions: 3.1 to 3.15
Exercise Questions: 3.3, 3.5, 3.11, 3.15 & 3.18

3. PROJECT WORK:

For Std – XII A: Preparation of soya bean milk and its comparisons with the natural milk with respect to curd formation, effect of temperature etc.

For Std – XII B: Comparative study of the rate of fermentation of following materials: wheat flour, potato juice, carrot juice.

For Std – XII C: Study of common food adulterants in sugar, turmeric powder & chilli powder.

E. BIOLOGY (ONLY FOR BIOLOGY STUDENTS)

- Prepare revision maps of chapters- 1, 3 and 4 same as given for chapter-2.
- Complete the very short answer type and short answer type questions of NCERT EXEMPLAR book of chapters- 2 & 3.
- Complete exercises of chapter 3 & 4.
- Write name and symptoms of 10 genetic disorders other than given in NCERT text book.
- Write the scientific name of organisms and mention their role/function given in each chapter (chapter wise) of NCERT text book.
- You are instructed to complete the following experiments in their biology practical record.

SPOTTING EXPERIMENTS

- To study Mendelian inheritance using **seeds of different shapes** of pea plant.
- To study prepared pedigree charts of the genetic traits such as rolling of tongue, widow's peak and colour blindness.
- To study controlled pollination – emasculation, bagging and tagging.
- To study common disease causing organisms: *Ascaris*, *Entamoeba*, *Plasmodium* through permanent slides and specimen. Comment on symptoms of diseases that they cause.
- To study the morphological adaptations of the given plant (*Opuntia*, *Zizyphus*, *Calotropis*) and animal (Kangaroo rat, Camel) found in xeric conditions.
- To study the morphological adaptations of the given plant (Water hyacinth, *Nelumbo*) and animal (Bony fish) found in aquatic conditions.

SPECIAL INSTRUCTIONS

- Do not mention experiment number and date neither in the index page nor in the experiment.
- Do not draw any diagram on the backside white page of last page of each experiment. Leave it blank.
- Draw well labelled diagrams using scale.
- Submit the completed record and notebook soon after the school re-opens (on the day you have practical class).

F. COMPUTER SC. (ONLY FOR COMPUTER SCIENCE STUDENTS)

1. Complete the practical file.
 - i. Class and object – 3 programme
 - ii. Constructor and destructor – 3 programme.
 - iii. Inheritance – 3 programme.
2. Complete the PowerPoint Presentation partner wise.
 - i. Class and object
 - ii. Constructor and destructor
 - iii. Inheritance

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