

PM SHRI Kendriya Vidyalaya
Kurnool

CLASS XII

Summer Vacation

Holiday Home Work(2026-27)

कक्षा बारहवीं(12th) का हिंदी होमवर्क

अभिव्यक्ति और माध्यम - रचनात्मक लेखन

1. फीचर लेखन: 'NEP 2020 और हिंदी भाषा' विषय पर 200 शब्दों का फीचर।
2. आलेख: 'सोशल मीडिया: भाषा का बदलता स्वरूप' पर आलेख लिखें।
3. पत्र लेखन: नगर में बढ़ते प्रदूषण की रोकथाम हेतु समाचार पत्र के संपादक को पत्र।
4. रिपोर्ट: विद्यालय में आयोजित 'हिंदी पखवाड़ा' की रिपोर्ट तैयार करें।

KENDRIYA VIDYALAYA KURNOOL
2026-27: SUMMER HOLIDAY HOME WORK.

FOR CLASS:XII

English Holiday Homework.

1. Read the newspaper daily. Note down the current affairs in a notebook.
2. Untouchable, Guide, Animal Farm, potrait of a Lady. Write the review of any two Novels.
3. The waste land, Night of the Scorpion. Write the review of the poems with pictorial illustrations.

HOLIDAY HOME WORK FOR CLASS XII CHEMISTRY

1. Write answers for Intext questions and Exercise questions from Electro chemistry chapter.
2. WRITE 10 MCQ/AR QUESTIONS FROM EACH CHAPTER (2 CAPTERS).
3. Prepare 1 case-based questions from each chapter
4. Learn and write CBSE previous year questions of all types with answers (2 Chapters).
5. Complete the plan & procedure for Investigatory project (practicals). Keep the soft copy ready.

KENDRIYA VIDYALAYA
KURNOOL
BIOLOGY HOLIDAY HOMEWORK
CLASS-XII

I. Diagram Portfolio (The "Perfect 5" Challenge)

Create a dedicated folder for these diagrams, drawn on A4 sheets with neat labeling.

Chapter 1: A schematic representation of a Mature Embryo Sac (7-celled, 8-nucleate stage).

Chapter 1: The stages of Pollen Germination on the stigma.

Chapter 2: A sectional view of the Seminiferous Tubule (showing various stages of spermatogenesis).

Chapter 2: The structural diagram of a Human Sperm.

Chapter 2: A sectional view of the Human Ovary showing follicles in different stages of development.

II. Comparative Analysis Tables

Organizing data into tables is the best way to handle "distinguish between" questions.

1. Microsporogenesis vs. Megasporogenesis: Compare based on the site of occurrence, the number of functional cells produced, and the type of divisions involved.

2. Spermatogenesis vs. Oogenesis: Compare the timing of initiation, the duration of the process, and the symmetry of cytoplasmic division.

III. Concept Mapping & Critical Thinking

1. Pollination Case Study: Find three different types of flowers in your garden or a park. Based on their color, scent, and position of anthers/stigma, predict their pollinating agent (Wind, Water, or Insect) and justify your answer.

IV. Social Awareness Project (Reproductive Health)

1. Contraceptive Fact Sheet: Create a chart summarizing various Birth Control methods (Natural, Barrier, IUDs, Oral, and Surgical). Mention one "Pro" and one "Con" for each.

2.ART Guide: Write a short explanatory note on Assisted Reproductive Technologies. Specifically, explain the difference between ZIFT (Zygote Intra-Fallopian Transfer) and IUT (Intra-Uterine Transfer).

V. Question Bank (Self-Test)

- 1.Why is the endosperm developed before the embryo in flowering plants?
- 2.Explain the phenomenon of Double Fertilization. Why is it called "double"?
- 3.What is the role of the Acrosome in fertilization?
- 4.What are Non-Steroidal oral contraceptives? Give an example.
- 5.What is Amniocentesis, and why is there a statutory ban on it in India?

PM SHRI KENDRIYA VIDYALAYA KURNOOL

SUMMER BREAK HOLIDAY HOMEWORK 2026-2027

SUBJECT: INFORMATICS PRACTICES -12TH

Assignment: (TAKE PRINTOUT OF THIS HOLIDAY HOMEWORK QUESTION PAPER SUBMIT WITH ANSWER IN A4 SHEET)

- 1) Write a python program to create a Series object,Data Frame Object with using of all Attribute and in-build-function In A4 Sheet.
- 2) Create a List of Dictionary and Dictionary of list using of Numpy Module write a program in A4 Sheet.
- 3) Write a SQL Commands for the Following Statements:

A)

Table : ACTIVITY

Acode	ActivityName	Stadium	ParticipantsNum	PrizeMoney	ScheduleDate
1001	Relay 100 × 4	Star Annex	16	10000	23-Jan-04
1002	High jump	Star Annex	10	12000	12-Dec-03
1003	Shot Put	Super Power	12	8000	14-Feb-04
1005	Long Jump	Star Annex	12	9000	01-Jan-04
1008	Discuss Throw	Super Power	10	15000	19-Mar-04

Table : COACH

Pcode	Name	Acode
1	Ahmad Hussain	1001
2	Ravinder	1008
3	Janila	1001
4	Naaz	1003

- (i) To display the names of all activities with their Acodes in descending order.
- (ii) To display sum of PrizeMoney for the Activities played in each of the Stadium separately.
- (iii) To display the coach's names and Acodes in ascending order of Acode from the table COACH.
- (iv) To display the content of all activities for which ScheduleDate is earlier than 01-01-2004 in ascending order of ParticipantsNum.

B)

Table : STUDENT

T_ID	Name	Age	Department	Date_of_join	Salary	Gender
1	Jugal	34	Computer Sc	10/01/2017	12000	M
2	Sharmila	31	History	24/03/2008	20000	F
3	Sandeep	32	Mathematics	12/12/2016	30000	M
4	Sangeeta	35	History	01/07/2015	40000	F
5	Rakesh	42	Mathematics	05/09/2007	25000	M
6	Shyam	50	History	27/06/2008	30000	M
7	Shiv Om	44	Computer Sc	25/02/2017	21000	M
8	Shalakra	33	Mathematics	31/07/2018	20000	F

Table : POSTING

P_ID	Department	Place
1	History	Agra
2	Mathematics	Raipur
3	Computer Science	Delhi

- (i) To show all information about the teacher of History department.
- (ii) To list the names of female teachers who are in Mathematics department.
- (iii) To list the names of all teachers with their date of joining in ascending order.
- (iv) To display teacher's name, salary, age for male teachers only.
- (v) To display name, bonus for each teacher where bonus is 10% of salary.

C)

Table : CABHUB

Vcode	VehicleName	Make	Color	Capacity	Charges
100	Innova	Toyota	WHITE	7	15
102	SX4	Suzuki	BLUE	4	14
104	C Class	Mercedes	RED	4	35
105	A-Star	Suzuki	WHITE	3	14
108	Indigo	Tata	SILVER	3	12

Table : CUSTOMER

CCode	CName	Vcode
1	Hemant Sahu	101
2	Raj Lal	108
3	Feroza Shah	105
4	Ketan Dhal	104

- (i) To display the names of all the white colored vehicles.
- (ii) To display name of vehicle, make and capacity of vehicles in ascending order of their seating capacity.
- (iii) To display the highest charges at which a vehicle can be hired from CABHUB.
- (iv) To display the customer name and the corresponding name of the vehicle hired by them.

D)

Table : CARDEN

Ccode	CarName	Make	Color	Capacity	Charges
501	A-Star	Suzuki	RED	3	14
503	Indigo	Tata	SILVER	3	12
502	Innova	Toyota	WHITE	7	15
509	SX4	Suzuki	SILVER	4	14
510	C Class	Mercedes	RED	4	35

Table : CUSTOMER

Ccode	Cname	Ccode
1001	Hemant Sahu	501
1002	Raj Lal	509
1003	Feroza Shah	503
1004	Ketan Dhal	502

- (i) To display the names of all the silver colored cars.
- (ii) To display name of car, make and capacity of cars in descending order of their seating capacity.
- (iii) To display the highest charges at which a vehicle can be hired from CARDEN.
- (iv) To display the customer name and the corresponding name of the cars hired by them.

4) Try this CaseBase Questions and Refer your Book. Submit in A4 Sheet.

	Color	Count	Price
Apple	Red	3	120
Apple	Green	9	110
Pear	Red	25	125
Pear	Green	26	150
Lime	Green	99	70

Answer any four questions from (i) to (v)

- (i) Which of the below given commands will yield the following output ?

	Price
Apple	120
Apple	110
Pear	125
Pear	150
Lime	70

- (a) `data.iloc[: 4 , 2 :]`
- (b) `data.iloc[: , 2 :]`
- (c) `data.loc[: 4 , 2 :]`
- (d) `data.loc[: , 2 :]`
- (ii) Find all rows with the label "Apple". Extract all columns. (Choose the correct statement)
 - (a) `data.loc[: , 'Apple']`
 - (b) `data.iloc['Apple', :]`
 - (c) `data.iloc[:, 'Apple']`
 - (d) `data.loc['Apple', :]`
- (iii) List 2nd, 3rd and 4th rows. (Choose the correct statement)
 - (a) `data.loc[0:3 , :]`
 - (b) `data.loc[:, 0:3]`
 - (c) `data.iloc[0:3 , :]`
 - (d) `data.loc[:, 0:3]`
- (iv) List the rows having price more than 120. (Choose the correct statement)
 - (a) `data['Price'] > 120`
 - (b) `data[data['Price'] > 120]`
 - (c) `data[['Price'] > 120]`
 - (d) `data['Price' >120]`
- (v) List the fruit having the maximum price. (Choose the correct statement)
 - (a) `data['Price'].max()`
 - (b) `data[data['Price'].max()]`
 - (c) `data[data['Price'].max() == True]`
 - (d) `data[data['Price'] == data['Price'].max()]`