RANIGANJ LIONS J.D.M.C. D.A.V PUBLIC SCHOOL, RANIGANJ.W.B.
HOLIDAY HOMEWORK SESSION 2024 - 25
CLASS :   XII COMMERCE

ENGLISH
SUBJECT-ENGLISH CORE (301)   CLASS-XII   PROJECT WORK   Project work is to be prepared as per the instructions listed below.   1. The entire project should be in a file format.   2. The project should be handwritten in blue/black pen (Highlighters can be used).   4. The project report should be developed in the following sequence–   • Cover page: School Name, logo, Title statement, Name of the Student and Year/session   • Index (list of contents)   • Acknowledgements and Preface   • Certificate   • Introduction statement (The purpose of the Project)   • Detailed Project   • Learning outcomes/experiences   ➢   The project should have illustrations/photos/sketches as per the need and suitability with respect to the pattern of the presentation   With reference to the chapter 'Lost Spring' express your views on ' Child labour – a scar on humanity that needs to be eradicated". (Refer to the global situation with respect to poverty and the measures implemented to substantiate your views.)

1. As our school prepares to host the DAV Zonal Sports (Athletics) event, we are looking to ensure effective coordination and execution. Could you plan the event and outline the roles and responsibilities of the various committees involved in the pre-event, during-event, and post-event phases? (3)

2. Match the followings: (3)

Column – A	Column - B
a.	i. pes planus
b.	ii. S- or C-shaped
c.	iii. genu valgum
d.	iv. swayback
e.	v. hunchback
f.	vi. genu varum

3. As you're tasked with preparing fixtures for the DAV Zonal Football tournament involving 7 teams, which type of tournament would you use to ensure that each team has equal opportunities to compete and showcase their skills? What are the disadvantages of that type of tournament? (2)

4. What does the term 'amenorrhea' refer to? (1)

A) Excessive menstrual bleeding   B) Absence of menstrual periods

C) Irregular menstrual cycles   D) Painful menstrual periods.

5. In sports tournaments, what does a "bye" signify? (1)

A) A temporary break during the game

B) A forfeit by one of the teams

C) An automatic advancement to the next round without competing

D) A tiebreaker match between two teams

Project Work:

IOA recognized Sport/Game: Volleyball or Football or Kho-Kho (any one)

1. Labeled diagram of Field

2. Equipments

3. Rules of Game

4. Terminologies

5. Skills

 Note:

Use Inter leaf page to write your project.
Paste and Draw relevant picture (Use White sheet or page)
Project should be completely hand written.

Project should have the following:
1. Index
2. Acknowledgement
3. Introduction to the topic
3. Content of the project
4. Conclusion
6. Bibliography
Follow all the instructions given in class related to the project work.

PAINTING

Answer the following questions :

1. "A group of polo players, all mounted on horse - backs with polo-sticks in their hands."
   · Identify the painting included in your course of study and write its title and medium.
   · Mention the sub school of this painting, describe its compositional arrangement in your own words.
   2. In the Basohli school, the coordination of ornamental form of nature and elements of folk art is seen together, which was filled with reverence and devotion by the painters of Basohli.
   · From your course of study identify the painting of Basohli school and write its title and name of the painter.
   · Describe the artistic features of the painting in your own words.

 PROJECT WORK

1. Still Life:-

     A) Pencil Shade -01

     B) Water Colour - O1

2. Madhubani Painting -01

3. Mandala Art – 01

4. City Scape – 01

5. Composition : 01

     A) Your Favourite Festival.

STANDARD MATHEMATICS

PROJECT WORK(use shoelace file)

1. To verify that the relation R in the set L of all lines in a plane, defined by R = {(l, m): l ⊥ m} is symmetric but neither reflexive nor transitive.

2. To draw the graph of $sin^{-1}x$, using the graph of sin x and demonstrate the concept of mirror reflection (about the line y = x). (Use mm graph)

3.To sketch the graphs of a^x and $log_a x$, a > 0, a ≠ 1 and to examine that they are mirror images of each other.

4.To understand the concept of decreasing and increasing functions.

5.To understand the concepts of local maxima, local minima and point of inflection.

FORMAT TO BE FOLLOWED:-

a)1st Page-Name of the school, Investigatory Project, name, class, section,roll number, subject, Guide teachers' name

b)2nd Page-Certificate

c)3rd Page-Acknowledgement

d)4thPage-Index

APPLIED MATHEMATICS

PROJECT WORK(use shoelace file)

TOPIC:-

     Each day the newspaper tells us about the maximum temperature, minimum temperature and humidity. Collect the data for a period of 15 days and represent it graphically. Compare it with the data available for the same time period for the previous year.

FORMAT TO BE FOLLOWED:-

a)1st Page-Name of the school, Investigatory Project, name, class, section,roll number, subject, Guide teachers' name

b)2nd Page-Certificate

c)3rd Page-Acknowledgement

d)4thPage-Index

ANSWER THE FOLLOWING QUESTIONS:-

1. A man can row 7.5 km/hr. in still water . If the stream is flowing at the rate of 1.5 km/hr, it takes him 50 mins to row to a place and return , how far is the place ?   1

(a) 3 km (b) 2 km   (c) 4 km   (d) 2.5 km

2. [(3 x 7) +5] mod 4 is
    (a) 3 (b) 2 (c) 4 (d) 5   1

3. In a 50 m race , A can give a start of 5 m to B and a start of 14 m to C . In the same race how much start can B give to C ?
    (a) 9   (b) 10   (c) 12   (d) 11   1

4. In what raio does a grocer mix two varieties of pulses worth Rs.85 per kg and Rs. 100 per kg respectively so as to get a mixture worth Rs. 92 per kg ?   2

5. If A is a square matrix of order 3 such that det(adj(A)) = 64, find det(transpose(AdjA))   2

6. A cistern can be filled by two taps A and B in 12 hours and 16 hours respectively . The full cistern can be emptied by a third tap C in 8 hours. If all the taps are turned on at the same time , in how much time will the empty cistern be filled completely ?   3

ACCOUNTANCY

SUB: ACCOUNTANCY (055)

PROJECT WORK
TOPIC : **One** Specific Project based on financial statement analysis of a company covering any **two** aspects from the following:
1. Comparative and common size financial statements
2. Accounting Ratios
3. Segment Reports
4. Cash Flow Statements
The format for presentation of report which should be arranged in the following sequence:
 a) External cover page
b) Acknowledgement
c)Certificate
d) Executive summary
e) Index
f) Introduction to the topic (Introduction, objectives)

BUSINESS STUDIES

SUB: BUSINESS STUDIES (054)

PROJECT WORK
TOPIC : Students today's will choose any one of the following topics:
1) Elements of business environment
2) Principles of management
3) Stock exchange
4) Marketing

The project report will be developed in the following sequence:
=>Cover page should project the title, student information, school and year.
=>List of contents.
=>Acknowledgements and preface (acknowledging the institution, the newspapers read, T.V. channels viewed, places visited and persons who have helped).
=>Introduction.

ENTREPRENEURSHIP

SUB: ENTREPRENEURSHIP(066)

PROJECT WORK

TOPIC : MARKET SURVEY(Any ONE of the following to be chosen)

A. Conduct a simple market research with the objective of estimating demand for an existing product in the market. Students will have to give an innovative suggestion to the product.

<div align="center">OR</div>

B. Conduct a survey for a new innovative product.

The format for presentation of report which should be arranged in the following sequence:
 a) External cover page
b) Acknowledgement
c)Certificate
d) Executive summary
e) Index
f) Introduction to the topic (Introduction, objectives)

ECONOMICS

Prepare a Project Report on any one topic from the following:

1. Any topic from Macroeconomics
2. Any topic from Indian Economy
3. Any current Economic issue can also be selected.
4. Following topics can also be selected:

   Micro and Small Scale Industries
   Food Supply Channel in India
   Contemporary Employment situation in India Disinvestment policy of the government
   Goods and Services Tax Act and its Impact on GDP
   Health Expenditure (of any state)
   Human Development Index
   Inclusive Growth Strategy
   Self-help group
    Trends in Credit availability in India
   Monetary Policy Committee and its functions Role of RBI in Control of Credit
   Government Budget & its Components
   Trends in budgetary condition of India
   Exchange Rate determination – Methods and Techniques
   Currency War – reasons and repercussions
   Livestock – Backbone of Rural India
   Waste Management in India – Need of the hour
   Digital India- Step towards the future
   Rain Water Harvesting
   Make in India – The way ahead
   Sri Lanka's Economic Crisis
   Sustainable Development Goals (SDG's)
   New Education Policy (NEP) 2020: A Promise for a New Education System
   Cashless Economy
5. Any other newspaper article and its evaluation on basis of economic principles

 Note:
Use Interleaf page to write your project .

Paste and Draw relevant picture (Use White sheet or page)
Project should be completely handwritten .
Project should have the following:
Index
1. Acknowledgement
2. Introduction to the topic
3. Content of the project
4. Research work.
5. Conclusion
6. Bibliography

Follow all the instructions given in class related to the project

INFORMATICS PRACTICES

1. Write a Pandas program to create data series and then change

the index of the series objects in any random order.

2. Write a Pandas program to add, subtract, multiple and divide

two Pandas Series.

3. Write a Python Program to perform head() & tail () Functions on

dataframe.

4. Write a Python Program to create the dataframe

and selecting rows/column using loc and iloc function.

5. Write a program that reads from a csv file (marks.csv stored in desired location) in a data frame then add a column Total storing total marks in three subjects and another column for storing average marks. Print the data frame after adding these columns.

6. SQL QUERIES BASED ON EMPL AND DEPT TABLE

Table : EMPL

```
+-------+----------+-----------+------+------------+---------+---------+--------+
| empno | ename    | job       | mgr  | hiredate   | sal     | comm    | deptno |
+-------+----------+-----------+------+------------+---------+---------+--------+
|  8369 | SMITH    | CLERK     | 8902 | 1990-12-18 |  800.00 |    NULL |     20 |
|  8499 | ANYA     | SALESMAN  | 8698 | 1991-02-20 | 1600.00 |  300.00 |     30 |
|  8521 | SETH     | SALESMAN  | 8698 | 1991-02-22 | 1250.00 |  500.00 |     30 |
|  8566 | MAHADEVAN | MANAGER  | 8839 | 1991-04-02 | 2985.00 |    NULL |     20 |
|  8654 | MOMIN    | SALESMAN  | 8698 | 1991-09-28 | 1250.00 | 1400.00 |     30 |
|  8698 | BINA     | MANAGER   | 8839 | 1991-05-01 | 2850.00 |    NULL |     30 |
|  8882 | SHIAVNSH | MANAGER   | 8839 | 1991-06-09 | 2450.00 |    NULL |     10 |
|  8888 | SCOTT    | ANALYST   | 8566 | 1992-12-09 | 3000.00 |    NULL |     20 |
|  8839 | AMIR     | PRESIDENT | NULL | 1991-11-18 | 5000.00 |    NULL |     10 |
|  8844 | KULDEEP  | SALESMAN  | 8698 | 1991-09-08 | 1500.00 |    0.00 |     30 |
|  8886 | ANOOP    | CLERK     | 8888 | 1993-01-12 | 1100.00 |    NULL |     20 |
|  8900 | JATIN    | CLERK     | 8698 | 1991-12-03 |  950.00 |    NULL |     30 |
|  8902 | FAKIR    | ANALYST   | 8566 | 1991-12-03 | 3000.00 |    NULL |     20 |
|  8934 | MITA     | CLERK     | 8882 | 1992-01-23 | 1300.00 |    NULL |     10 |
+-------+----------+-----------+------+------------+---------+---------+--------+
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Table : DEPT

deptno	dname	loc
10	ACCOUNTING	NEW DELHI
20	RESEARCH	CHENNAI
30	SALES	KOLKATA
40	OPERATIONS	MUMBAI

a)Write a query to display EName and Sal of Employees whose salary is greater than or equal to 3000 from table EMPL.

b)Write a Query to display Employee Number, name, sal and sal*12 as Annual Salary whose commission is not NULL from table EMPL.

c)Write a Query to display name, job, salary, and HireDate of Employees who are hired between February 20, 1991, and May 1, 1991. Order the query in ascending order of HireDate.

d)Display distinct JOB of Employee from table EMPL.

e)Write a Query to display the name of Employee whose name contains 'M' as third alphabet.

f)Write a query to display the current system date.

g)Write a Query to display Employee number, name, salary, salary increase by 15%. Label the column as New Salary.

h)Write a query which displays the Employee name with the first letter capitalized and all other letters lower case and length of there name string.

i)Write a Query to Display the Sum, Average, Highest and Lowest salary of the Employees grouped by department number.

j)Write a query to display the difference of Highest and lowest salary of each department having maximum salary > 4000.

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