

CARMEL CONVENT HR. SEC. SCHOOL ,  
KUNJWANI JAMMU.

CLASS XII A ( ARTS/ COMMERCE) SESSION 2022-

23

HOLIDAYS HOMEWORK

**ENGLISH :-**

Q.1. As you all know our doctors, forces, government, and cleaners are fighting against corona virus. This poster is to support all those people who are corona warriors and fighting with corona virus for us. Draft a poster on Fight Coronavirus. We will paste the poster on the class board after vacations so it should be theme based and well designed.

Q.2. Design a poster on the topic - 'How CNG can be the best alternative to diesel and petrol.' [50 words]

Q.3. Write a debate on topic online vs. offline learning. We will have a debate competition after vacations.

Q.4. On behalf of the Principal of your school, draft an advertisement inviting applications for the post of PGT (English) teacher.

Q.5. Learn and revise all the syllabus of Unit Test II.

## **POLITICAL SCIENCE:-**

### **CASE STUDY**

1. MAKE AN INDEPTH STUDY OF UKRAINE-RUSSIA WAR.

- ITS CAUSES

- POST WAR AFFECTS OF WAR.

- RELEVANCE OF UNO

- ROLE OF NATO.

JUSTIFY YOUR STUDY WITH PICTURES, NEWSPAPER CUTTINGS, MAP WORK, REFERENCE WORK.....

II. PREPARE FOR YOUR FIRST UNIT TEST , TO BE HELD AFTER YOUR SUMMER VACATION.

## **PUBLIC ADMINISTRATION:-**

### **CASE STUDY**

#### **CIVIL SERVICES**

- MAKE A DETAILED STUDY OF -

1 ITS RECRUITMENT PROCESS

, EXAMINATIONS

- AGE LIMIT

2. TRAINING

3. FUNCTIONS & DUTIES OF A CIVIL SERVANT.

4. DETAILED STUDY OF IAS & STATE SERVICES.

## ECONOMICS :-

- Define economics. Discuss microeconomics and macroeconomics.
- State the central problems of an economy. Why do they arise.
- What is meant by production possibility curve? Illustrate with the help of table and diagram.
- Discuss the concept of opportunity cost.
- Define Utility. Difference between total and marginal utility.
- Describe the law of diminishing marginal utility.
- Discuss the concept of consumer equilibrium. Illustrate with the help of table and diagram.
- *Revise the syllabus of UNIT 1 exam .*



## **BUSINESS STUDIES: -**

- Define Management. Discuss the characteristics and objectives of Management.
- Describe the importance of Management.
- Discuss the nature of Management.
- Distinguish between Management & Administration.
- What are the levels of Management?
- Discuss the managerial skills and roll.
- Define the branches of Management.
- Discuss the classification of Management Functions
- *Revise the syllabus of UNIT 1 exam .*

## **ACCOUNTANCY: -**

1. (A) Make a comprehensive & specific project report of any renowned company. The project report will include:

- a) The history of the Company.
- b) Journal & Ledgers.
- c) Subsidiary Books & Trial Balance.
- d) Financial Statements.
- e) Ratio Analysis & Cash Flow.
- f) Auditor's Report
- g) Graphical Representations of all Ratios.
- h) Conclusion.
- i) Bibliography & Webliography

Note: Complete the Project Work as per JKBOSE.

B) Solve the following numericals:

1. The partnership deed is silent on payment of salary to partners. Anita, a partner, claimed that, since she managed the business, she should get a monthly salary of Rs 10,000. Is she entitled for the salary? Give reason.
2. State the provisions of Indian Partnership Act, 1932 regarding the payment of remuneration to a partner for the services rendered.
3. A, B and C decided that interest on capitals will be provided to each partner @ 5% per annum, but after one year C wants that no interest on capital is to be provided to any partner. State how „C“ can do this?
4. Can a partner be exempted from sharing the losses in a firm? If yes, under what circumstances?



## MATHEMATICS :-

STUDENTS' S NAME

DATE

1. Evaluate  $\tan^{-1} (\tan \pi/3)$
2. Evaluate  $\cot^{-1} (\cot \pi/3)$
3. Evaluate  $\sin (\cot^{-1} \pi/3)$
4. Prove that  $\sec^2 (\tan^{-1} 2) + \operatorname{cosec}^2 (\cot^{-1} 3) = 15$
5. Find the value of the expression  $\sin [\cot^{-1}\{\cos (\tan^{-1} 1)\}]$ 
  6. Using matrix method, solve the following system of equations  
$$x - 2y = 10, 2x + y + 3z = 8, -2y + z = 7.$$
  7. If A is matrix of order  $3 \times 3$  such that  $A(\operatorname{adj} A) = 5I$ , then find  $|\operatorname{adj} A|$
  8. Differentiate  $\log (\sin x^4)$  w.r.t. x using chain rule.
9. Differentiate  $x^{\sin x} + (\sin x)^{\cos x}$  w.r.t. x
  10. Prove that  $\tan^{-1} 2/11 + \tan^{-1} 7/24 = \tan^{-1} 1/2$ .
  11. Prove that  $\tan^{-1} 1/7 + \tan^{-1} 1/13 = \tan^{-1} 2/9$ .
  12. Find the principal value of  $\sin^{-1} (1/2)$
  13. Find the domain of  $\cos^{-1} (2x - 1)$ .
  14. Find the principal value of  $\tan^{-1} (1)$
  15. Verify Lagrange's mean value theorem for  $f(x) = 3x^2 - 5x + 1$  defined in the interval  $[2, 5]$

### Revise and practice :-

Chapter No.3 & 4

Revision Test will be held after summer vacation.

## **PHE : -**

1. Read and write the chapter no. 1 to 3 at home.
2. Draw any one game of your choice with rules and regulations in your notebook.
3. Read chapter no.6 yoga and importance of yoga in daily life.
4. Play at home, atleast 30 minutes daily which is important for health.

## **COMPUTER SCIENCE : -**

**Prepare PowerPoint for below given topics:**

### **Networking and its advantages**

1. Types of Networks: PAN, LAN, MAN, WAN
2. Transmission Media: Twisted pair cable, Coaxial cable, Optical fiber, Infra-Red, Satellite transmission.
3. Network Topologies: Bus, Star, Ring
4. Modem
5. Cyber safety and security

### **Cyber Bullying:**

1. Preventive Measures
2. Computer Safety and Security
3. Internal Safety and Ethics
4. Safe Social Networking
5. Safe Email Practices
6. Dos and Don'ts for Cyber Safety



## **EVS : -**

Q: List all the wastes that you generate at home, school or during your trip to other places; could you very easily reduce? Which would be difficult or rather impossible to reduce?

Q: a) A decade back, the enormous vehicular traffic in Delhi had made Delhi rank 4<sup>th</sup> among most polluted cities of the world. Two measures taken by the Delhi government brought marked improvement in air quality by 2005. What are these two measures and how did they reduce air pollution?

b) What is the norm set by Euro-II for petrol and diesel vehicles?

Q: Public all over India is very much concerned about the deteriorating air quality in large parts of north India. Alarmed by this situation, the residents welfare association of your locality organized an awareness programme entitled "bury not burn". They invited you being a biology student to participate.

- a) How would you justify your arguments that promote burying and discourage burning?
- b) With the help of flow charts, one for each practice, depict the chain of events that follow.

Q: Make a project on any one topic given below:

Waste Management/Wildlife conservation/Sewage treatment/Energy Conservation/Wetland Management.

Collect the data and record it in the given format:

- A) Index
- B) Acknowledgement
- C) Introduction
- D) Theory (Refer books and internet for this)
- E) Questionnaire/ Case studies
- F) Experience
- G) Conclusion
- H) Bibliography

Read the chapter - Soil Degradation

Revise the chapter - Air pollution and Water pollution



**SUBMIT YOUR HOLIDAYS HOMEWORK WHEN SCHOOL  
REOPENS**

