



**St. Mary's School, Dwarka**  
**Holiday Homework**  
**Std. XII**  
**Week 4**  
**Worksheet 4**

**Subject: English**

**Q1. Read the following passage and answer the questions that follow:**

There is no denying that the major function of the army is to maintain law and order in times of deep crisis. However, we must not forget that the need to maintain law and order also arises in normal times. It is in these times that we need another force that **compels** citizens to obey the law and to act with due regard to the rights of others. The force also protects the lives and the properties of law-abiding citizens.

Laws are essentially made to secure the personal safety of the citizens of a country. They aim to prevent different types of crimes that pose threat to the security of people and safety of their property, such as larceny, murder and numerous other illegal practices involving **violence** of any type. Besides ensuring security of the property of the citizens against theft and damage, laws also try to protect the rights of communities and castes to carry out their customs and ceremonies, so long as they do not conflict with the rights of others.

It is important to note that the enforcement of laws multiplies the duties and responsibilities of citizens towards themselves. Those among them, who can be identified as good citizens, obey these laws and take care that everything they do is done with due regard to the rights and well-being of others. Sadly, however, there are people who do not show a natural keenness to understand the true significance of laws.

These people, who can be called bad citizens, often seem to be reluctant in terms of their willingness to follow laws. Such citizens are only **restrained** from breaking these laws by fear of the consequence of their actions. That is why it becomes necessary for the law-enforcing agencies to take steps to compel a bad citizen, so that they may start acting as a good citizen.

It is significant to note in this regard that the supreme control of law and order in a State is usually in the hands of the home minister who is responsible to the State Assembly. He/she is assisted by a number of bureaucrats, including the Home Secretary, besides additional and joint secretaries. The Inspector General of Police, who heads the police force in a state, carries out the orders issued by the Home Ministry. He / she too has a hierarchy of police officers under him. Thus, to maintain law and order in any state, there is a vast chain of officials.

**Based on the reading of the passage, answer the following:**

**(5)**

i. Give the meaning of each of the following words as used in the passage.

One word answer or short phrases will be accepted.

a) violence

b) restrained

ii. What does the force or law help in?

iii. State the role played by the police in the day- to -day life of man.

iv. Who has the supreme control of law and order situation of the state? How?

v. Briefly describe the importance of laws.

Q2. You have received an invitation from the Principal and staff of Govt Senior Secondary School, Rajakhera which is going to celebrate its annual function on 6th February 20– at 03:00 p.m. Dr Pradeep Bhatia will be the Chief Guest of the function. Write a formal reply for not being able to accept the invitation. (3)

Q3. You are Neeti/ Nitin of B-17, Avas Vikas, Jaipur and have been invited by your friend Malinee, House No. 152, Rajshree Apartments, Kota at her sister's engagement on 27th November 20.- at 4:00 p.m. at Hotel Deep Akash. Write an informal reply declining the invitation. (3)

Q4. By 2050, India will be amongst the countries which will face acute water shortage. You are highly alarmed and terrified of the future world without water. As Rita/Raman Sethi, write an article on "Save water- are we doing enough?" for the local daily in 150-200 words. (4)

**Answer the questions in 30-40 words:**

**(2x2=4)**

Q5. How is Hana's perspective about the white man different from Yumi's perspective?

Q6. In what context does Hana remember General Takima? What does she infer?

Q7. As Franz, write a notice informing students of your school that German would be taught in school instead of French. (3)

Q8. How does "The Tiger King" criticize the hunting culture prevalent during its time?  
(Word limit- 80- 100 ) (3)

**Subject: Economics**

Q1. Explain the currency authority function of Central Bank.	2
Q2. Explain lender of the last resort function of the Central Bank.	2
Q3. Explain the banker to the government function of the Central Bank.	2
Q4. Explain the meaning of Cash Reserve Ratio and Statutory Liquidity Ratio.	2
Q5. State three main functions of commercial bank. Explain any one of them.	2
Q6. Explain any two functions of a Central Bank.	3
Q7. What is bank rate policy? How does it work as a method of credit control?	
Q8. What are open market operations? How do these work as a method of credit Control?	3
Q9. State three methods of credit control used by the Central Bank.	3
Q10. Explain any two main functions of commercial banks.	3

**Subject: Mathematics**

**Each question carries 3 marks.**

<b>Q1</b>	Find the derivative of $\frac{\sqrt{x}(x+4)^{3/2}}{(4x-3)^{4/3}}$ w.r.t x.
<b>Q2</b>	If $x^m y^n = (x+y)^{m+n}$ , prove that $\frac{dy}{dx} = \frac{y}{x}$ .
<b>Q3</b>	Differentiate the following functions with respect to x: (i) $x^{x^2-3} + (x-3)^{x^2}$ (ii) $y = x^{\sin x} + (\sin x)^x$
<b>Q4</b>	Differentiate $\sin^{-1}(2x\sqrt{1-x^2})$ with respect to $\tan^{-1}\left(\frac{x}{\sqrt{1-x^2}}\right)$ , if $-\frac{1}{\sqrt{2}} < x < \frac{1}{\sqrt{2}}$
<b>Q5</b>	Differentiate $\tan^{-1}\left(\frac{1+ax}{1-ax}\right)$ with respect to $\sqrt{1+a^2x^2}$
<b>Q6</b>	If $y = \log\left\{x + \sqrt{x^2 + a^2}\right\}$ , prove that $(x^2 + a^2)\frac{d^2y}{dx^2} + x\frac{dy}{dx} = 0$
<b>Q7</b>	$y = x^x$ , prove that $\frac{d^2y}{dx^2} - \frac{1}{y}\left(\frac{dy}{dx}\right)^2 - \frac{y}{x} = 0$ .
<b>Q8</b>	If $x = a \cos \theta + b \sin \theta$ and $y = a \sin \theta - b \cos \theta$ , prove that $y^2 \frac{d^2y}{dx^2} - x \frac{dy}{dx} + y = 0$
<b>Q9</b>	If $y = \sin(\sin x)$ , prove that $\frac{d^2y}{dx^2} + \tan x - \frac{dy}{dx} + y \cos^2 x = 0$
<b>Q10</b>	If $x = \sin\left(\frac{1}{a} \log y\right)$ , show that $(1-x^2)y_2 - xy_1 - a^2y = 0$

## **Subject: Physical Education**

**Note: Write answers in your notebook.**

1. In which Olympics P.T. Usha secured 4th place in 400 m hurdle race? 1  
(a) 1980 Olympics    (b) 1984 Olympics  
(c) 2016 Olympics    (d) None of the above
2. In which Olympic games, Saina Nehwal and M.C. Mary Kom secured one bronze medal each? 1  
(a) 2008 Olympics    (b) 2012 Olympics  
(c) 2016 Olympics    (d) None of the above
3. In which Olympics did women participated for the first time? 1  
(a) 1896                (b) 1900  
(c) 1904                (d) 1908
4. Mary Kom belongs to which sports? 1  
(a) Tennis            (b) Wrestling  
(c) Badminton        (d) Boxing
5. What do you mean by specific sports programmes? Explain about health runs and run for unity in detail. 5
6. What do you mean by specific sports programmes? Explain any three. 5
7. While specifying all calculations, prepare a 'knock-out fixture' for 21 teams. 5
8. Draw a knock-out fixture of 21 teams mentioning all the steps involved. 5
9. Being the captain of the school, prepare five important committees with their responsibilities to conduct one day run for health race. 5
10. Explain the reasons for the less participation of women players in sports. 5

### **Subject: Geography**

Q1	When did United Nations published its first human development report?	1
Q2	What do you understand by the term Transhumance activity?	1
Q3	What are the scientific basis of rearing in ranches?	1
Q4	Maintenance of soil fertility is an important feature in mixed farming discuss.	1
Q5	Market gardening and Horticulture is considered both labour and capital intensive. Discuss.	3
Q6	Why do in the developed economies are retreating from mining?	3
Q7	What is the importance of 'dairy farming'? Why is it mainly practised near urban and industrial centres of the world? Explain any two reasons.	3
Q8	Define the term "mixed farming. Explain any four characteristics of mixed farming practised in the world.	3
Q9	Distinguish between Subsistence and Commercial Agriculture.	3
Q10	Describe the development of commercial grazing in different types of grasslands.	5

### **Subject: Psychology**

- Q1. Define self. 1
- Q2. In value assessment we try to determine the \_\_\_\_\_ values of a person. 1
- Q3. Define personality. 2
- Q4. People who are confident, can solve problems, confront the things that frighten them and nurture themselves are all qualities of which Behavioural aspect of self. Write a note on it. 2
- Q5. Rita is learning music. Many times, she has to miss her favourite serial as she has to go for music classes. Also, she wakes up early to practice despite her love her sleep. Which concept from the chapter self and personality can you link to this situation? 2
- Q6. Which concept of self is based on Bandura's social learning theory? Write a note on it. 2
- Q7. If a psychologist is evaluating you by asking your response to ink blots, which form of assessment is the psychologist using? List any two features of this form of assessment. 3
- Q8. Is there difference between self-actualization and a fully functioning individual? Support your answer with the help of examples. 4
- Q9. Distinguish between type and trait approach of personality. Give suitable examples. 4
- Q10. What is meant by delay in gratification? Discuss the technique used for self-control. 4

### **Subject – History**

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|--|---|
| 1. Define Mahayana.  | 1 |
| 2. What were the main principles of Jainism?   | 1 |
| 3. What do you mean by the kutargarashala.   | 2 |
| 4. Name the two types of sources through which we come to know about Buddha and his teachings.   | 2 |
| 5. Describe the unique features of the early temples.  | 2 |
| 6. Critically examine why Sanchi survived while Amaravati did not?   | 3 |
| 7. Why is the mid-first millennium BCE regarded as a turning point in world history?   | 3 |
| 8. “Many rituals, religious beliefs and practices were not recorded in a permanently visible form as monuments or sculptures or even paintings”. Critically examine the statement. | 3 |
| 9. Describe how Buddha’s teachings have been reconstructed from the stories of Sutta Pitaka.   | 3 |
| 10. Explain the structural and sculptural features of the Sanchi stupa.  | 5 |



## **Subject: Political Science**

**Objective:** - To enable the students to know about the inventions of new concepts in world politics and constitution of India.

- To develop 21<sup>st</sup> century managerial skills of co-ordination, self-direction and time management.
- To understand contemporary political issues in context to our past.

To develop a global perspective and an international outlook.

**Research Activity:** - Research and collect the information on recent revolution of political ideas in the world and India, in the following areas.

- Comparison between NITI Aayog and Planning Commission and their contribution in India's Development.
- Health Epidemic – A new source of security threat

### **Assignment: - Project Work**

#### Project Ideas

- Various media platforms used during political campaigns.
- Strategic planning of Indian Policy Makers.
- Human Rights acts and its ratification in India.
- Political Impact on Indian Legislations.
- Political Impact on India's international standing.
- Indian political stand on United Nations General Assembly 2022.
- Relevance of SAARC as a forum of regional cooperation.
- Division of Germany with special focus on the construction and dismantling of the Berlin wall.
- CIS- Central Asian Republics.
- Arab Spring
- Crisis in Middle East with special focus on Operation Desert Storm, Operation Iraqi Freedom, Iraq today.
- European Union and BREXIT.
- BRICS
- India's Nuclear Policy.
- U.S. dominance in World politics in the Post-Cold War era.
- India's role in Non Aligned Movement.
- Civil Society Movements - Role and participation in India.
- Relevance of the United Nations in a Unipolar World.
- Understanding Resource Geopolitics and Environment degradation
- India's external relations -Critical analysis of the foreign policy of India especially with its immediate neighbours (Pakistan, China, Srilanka, Nepal, Myanmar)
- Popular movements in the post-Independence era and their outcomes.
- Project on the role played by the regional aspirations in backing the secessionist and insurgency movement in India
- India's response to ASEAN as a dialogue partner.

## **GUIDELINES FOR THE PROJECTS:**

It must be emphasized that the process of doing the project is as important as the final project. Once the project/projects are chosen, there should be a process of brainstorming to make out a draft/structure for the project before embarking on research.

Internet sites could be referred, but care must be taken in selecting, using and citing these sites.

Avoid plagiarism

Marks to be awarded for content and originality and not for decorative elements and embellishments.

Projects must be the original work of the student.

Project may be supported by- Data, fact sheets, maps, articles, newspaper clips

Maximum of 25-30 page projects.

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|------|--|---|
| Q.1  | Why the Western and Eastern alliances were called so?  | 2 |
| Q.2  | Give one argument given by the supporters of the US action of dropping atomic bombs.   | 2 |
| Q.3  | What was the consequence of the end of the Second World War? Give reasons.   | 2 |
| Q.4  | Discuss any three features that distinguish the Soviet economy from that of a capitalist country like the US?                                  | 2 |
| Q.5  | Give an example each of the three kinds of hegemony that are dealt with in the chapter. Do not cite examples that are in the chapter.          | 3 |
| Q.6  | ‘Reforming the UN means restructuring of the Security Council’. Do you Agree with this statement? Give arguments for or against this position. | 3 |
| Q.7  | Nuclear weapons as deterrence of defence have limited usage against contemporary security threats to state. Explain the statement.             | 3 |
| Q.8  | Write a short note on the role and the limitations of SAARC as a forum for facilitating economic cooperation among the South Asian countries.  | 3 |
| Q.9  | Examine Indo-Pak relations in the light of recent developments.  | 5 |
| Q.10 | Discuss India’s relations with Bangladesh.   | 5 |