

CLASS XII
Holiday Homework(2018-19)
Somerville School, Vasundhara Enclave, Delhi-96

English:

1. From newspapers and magazines, collect examples of the following and paste them in a scrapbook:
 - a) One example each of product and service Display Advertisement.
 - b) At least six different categories of Classified Advertisement.
2. Read the novel, 'The Invisible Man'.

History

A) **WORKSHEET**

THEME: 01

BRICKS, BEADS AND BONES

2 mark questions

1. Define the following terms: - Culture, Archaeological site, Mound, Layers, Stratigraphy, Faience.
2. How archaeologists define the term 'culture'?
3. What are the sources that help us in finding about the past of Harappa Civilisation?
4. Why did S.N Roy say that "Marshall left India 3000 years older than he had found her?"
5. What approach did John Marshall adopt in excavating various sites in Harappa? Why was it a flawed/faulty approach? Who was the person who rectified this flaw? When and how did he do so?
6. What forced the Indian archaeologist to try and locate sites in India?

4 mark questions

1. Give an account of town planning/ development of urban centre of Mohenjodaro
2. Name and explain the building structures associated with Citadel?

OR

Give an account of the following building structures associated with Citadel:

- a) the warehouse
 - b) great bath,
 - c) assembly hall
 - d) fire alter
 - e) dockyard.
3. Give an account of domestic architecture of Harappa Civilization?

OR

Explain the layout of houses in Mohenjodaro?

OR

‘It is very interesting to note Harappan concern for privacy’. Explain.

4. Would you agree that the drainage system in Harappan cities indicates town planning? Give reason for your answer.
5. Name some centres of Craft that existed during Harappan culture? How have the archaeologists identified these places as centres of craft? Name two centres which specialised in making of shell objects etc.
6. Explain the craft of bead making as practiced by the people of Chanhudaro under following subheading-
 - a) raw material used
 - b) shapes developed
 - c) method/ technique used.
7. How do we know that people of Harappan culture procured raw material from different part of India and the world?
8. Write a short note on- Seals of Harappan Civilization?

OR

What was the purpose of seals used during Harappan period?

9. How do we know that socio-economic differences existed among people of Harappan culture?
10. ‘Terracotta figurines and seals throw light on the religious practices followed by the Harappan people’. Discuss.

MAP WORK:

On a political and physical map of India mark the following places of Mature Harappan sites

- a) Harappa,
- b) Banawali
- c) Kalibangan,
- d) Balakot
- e) Rakhigadi,
- f) Dholavira,
- g) Nageshwar,
- h) Lothal,
- i) Mohenjodaro,
- j) Chanhudaro
- k) KotDiji

Chapter -II

Kings, Farmers and Towns (Early States and Economies)

(2 mark questions)

1. Mention the developments that took place between the end of the Harappan civilization and 600 BCE in India.
2. Mention the sources to understand the history of early historic period (600BCE to 600 CE)

(4 mark questions)

1. Explain any four features of Mahajanapadas.
2. Explain any four factors responsible for the growth of Maghada into a most powerful Mahajanapada.
3. Explain the sources available to understand Mauryas.
4. Explain the message of DHAMMA inscribed in the Mauryan(Asokan)) inscriptions.
5. Explain the five features of Mauryan administration.
6. Why was Mauryan Empire regarded as a major land mark in Indian history?
7. Explain the new notions of kingship developed in the post Mauryan period in India.
8. How did Historians reconstruct the lives of ordinary people?

9. What were the strategies followed to increase agriculture production?

8 mark questions

1. Bb

2. How do we understand the differences prevailed in rural society of India from 600BCE to 600 CE?

3. How do we understand the changing county side of India from 600 BCE to 600CE?

4. How do we understand the development of towns and trade of India from 600 BCE to 600CE?

5. How were inscriptions deciphered in India by James Prinsep?

6. What are the limitations of inscriptional evidences?

OR)

What are the problems faced by Epigraphists?

Chapter III

KINSHIP, CASTE AND CLASS EARLY SOCIETIES

(C 600 BCE-600 CE)

2 mark questions

1. Explain why patriliney may have been particularly important among elite families.
2. Discuss whether kings in early states were invariably Kshatriyas.
3. Compare and contrast the *dharma* or norms mentioned in the stories of Drona, Hidimba and Matanga.
4. In what ways was the Buddhist theory of a social contract different from the Brahmanical view of society derived from the *Purushasukta*?

4 mark questions

1. This is what a famous historian of Indian literature, Maurice Winternitz, wrote about the *Mahabharata*: “just because the Mahabharata represents more of an entire literature ... and contains so much and so many kinds of things (it) gives(s) us an insight into the most profound depths of the soul of the Indian folk.” Discuss.
2. Discuss whether the *Mahabharata* could have been the work of a single author.

3. How important were gender differences in early societies? Give reasons for your answer.
4. Discuss the evidence that suggests that Brahmanical prescriptions about kinship and marriage were not universally followed.
5. Write a short note on Mahabharata. What were the findings of the committee worked under V.S.Suktankar?
6. What is Gotra? What were the rules to be followed by women in a Gotra?
7. What were the ideal occupations mentioned for the four Varna? What were the strategies followed by the Brahmans to enforce the norms?
8. Who were the untouchables or Chandalas? What were the duties assigned to them according to Manusmriti?

8 mark questions

1. What were the social implications that shaped access to economic resources?
2. What were the several elements historians consider to analyze the text Mahabharata?
3. Discuss the statement given by famous historian “Mahabharata represents more than a literature and contains so much about Indian folk”

Chapter-4

Thinkers, Beliefs and Buildings

4 mark questions

1. Were the ideas of the Upanishadic thinkers different from those of the fatalists and materialists? Give reasons for your answer.
2. Summarise the central teachings of Jainism.
3. Discuss the role of the begums of Bhopal in preserving the stupa at Sanchi.
4. Why do you think women and men joined the *sangha*?
5. To what extent does knowledge of Buddhist literature help in understanding the sculpture at Sanchi?
6. Discuss the development in sculpture and architecture associated with the rise of Vaishnavism and Shaivism.

7. Discuss how and why stupas were built.
8. Which period is often regarded as a turning point in world history? Why?
9. What is kutagarashalas? Explain its importance.
10. What were the three pitakas? How were these texts prepared and preserved?
11. Explain the basic principles of Buddhism or major Teachings of Buddha? How did it spread to other parts of the world?
12. What is a sangha? What were the rules to be followed by members of sangha?
13. Explain the structure of a stupa.
14. How was Amaravastupa discovered?
15. Why did Sanchistupa survive while Amaravati did not?
16. Explain any four stories found in sculptures of Sanchistupa?
17. Explain the growth of puranic Hinduism and construction of temples?
18. What were the two sects of Buddhism? Explain them.

B) HISTORY PROJECT

Students should prepare the given History Project as per the following headings:-

1. Project synopsis
2. Data/Statistical analysis/Map work
3. Analysis/explanation and interpretation
4. Bibliography

Political Science:

- A. Read and revise the following chapters from Politics in India since independence:**

Chapter 1 Challenges of Nation Building

Chapter 2 Era of one party dominance

Chapter 3 Politics of Planned development

Chapter 4 India's external relations

Chapter 5 Challenges to and restoration of the Congress party

Chapter 6 The Crisis Of democratic Order

B. Do Revision Worksheet (sent through mail)

- a. Answer all the questions given in the revision worksheet.
- b. Section I to be answered in 20-50 words.
- c. Section II to be answered in 100-150 words.

C. General Studies: 1. Make your **General Studies Project** as discussed in the class

D. Read the **newspaper daily** especially the editorial page.

Economics:

Prepare a project based on CBSE guidelines.

Suggested topics are -

1. Production possibility curve
2. Demand/Supply and its determinants
3. Production returns to a factor
4. Cost function and cost curves
5. Monopoly or perfect competition ,or monopolistic competition .or oligopoly forms of market.
6. Government budget and its components
7. Credit creation

8. Exchange rate system
9. BOP
10. Any other relevant topic such as HDI, GST, SHG, Dis-investment policy etc.

N.B :

The project report should include : Title , Index , Introduction of the theme , Elaboration, Conclusion , Credits / List of resources used / Bibliography

Psychology:

Worksheets on chapter- Intelligence and Aptitude, Self and Personality, Human Strengths and Meeting Life Challenges & Psychological Disorder

Physical Education:

Worksheet-1

Planning in sports

- Q1) List the various types of tournaments.
- Q2) What do you mean by the term competition?
- Q3) What is fixture?
- Q4) How can extrinsic motivation sometimes kill intrinsic motivation?
- Q5) Write the formula for giving a Bye.
- Q6) Explain any two objectives of planning.
- Q7) Write a note on the term "knockout". Make a knockout fixture for 16 teams.
- Q8) What is the staircase method of a league tournament?
- Q9) What is Bye? What is the method of fixing Byes?

Q10) List various objectives of planning sports.

Q11) Explain the formation of committees and its responsibilities pre, during and post competition or sports events .

Q 12) What is a league tournament? Draw a fixture for seven teams using round robin method .

Worksheet-2

Sports and Nutrition

Q 1) What do you mean by micro and macro elements of diet.

Q 2) List various non-nutritive components of diet.

Q3) Why is roughage essential to our body?

Q4) List a few pitfalls of dieting.

Q5) Why does the weightlifter's diet include lots of proteins?

Q6) Write in brief about important minerals requirement.

Q7) What do you understand by food myths? Discuss briefly about various food myths.

Q8) Elaborate the important nutrients /elements of a balance diet.

Q9) Highlight the disadvantage of food supplements.

Q10) Write a detailed note on functions of fats in our body along with its daily recommendation.

Q11) What is the "Role of diet on the performance" of a player?

Q12) We must take care of the proportion of carbohydrate, protein and fats in our diet. Give reason.

Worksheet-3

Yoga and Lifestyle

- Q1) What is yoga?
- Q2) Make a list identifying the eight stages of yoga.
- Q3) Name the different types of yoga.
- Q4) What is obesity?
- Q5) Mention a few asanas for curing back pain problems and elaborate the procedures for any one of them.
- Q6) Elaborate the procedure for performance and benefits of *parvatasana*.
- Q7) Mention the asanas that help in reducing obesity. Give details of any one asana.
- Q8) Name the asanas which can be done after having meals. Explain the steps used to perform it. List its advantages.

Worksheet-4

Physical Education and Sports for the Differently-abled

- Q1) Define the term disability.
- Q2) List different types of disability.
- Q3) Write a brief note on symptoms and causes of sensory processing disorder (SPD) ?
- Q4) What do you mean by Hyper activity?
- Q5) Mention three disorders and explain the nature of any one.
- Q6) What are the signs of intellectual disability in children?

Q7) What causes intellectual **disability**?

Q8) What are the causes of physical disability?

Q9) List different types of disorders and give a detailed explanation of each.

Q10) Explain different types of general disorders found in everyday life.

Q11) What are the benefits for physical activity for children with special needs.

Q12) Explain the strategies to make physical activities accessible for children with special needs.

Applied Art:

Q1. Describe how Rajasthani School of Miniature Paintings created a long lasting impact on Indian Art. Explain in detail with reference to the paintings in your course of study.

Q2. Describe how Pahari School of Miniature Paintings created a long lasting impact on Indian Art. Explain in detail with reference to the paintings in your course of the study.

Q3. Describe how Mughal School of Miniature Paintings created a long lasting impact on Indian Art. Explain in detail with reference to the paintings in your course of the study.

Q4. Describe how Deccan School of Miniature Paintings created a long lasting impact on Indian Art. Explain in detail with reference to the paintings in your course of the study.

Q5. Appreciate the following artwork also write about the working style and medium chosen by the artist .

a. BaniThani.

- b. Dancers
- c. Falcon on bird rest
- d. Ragini Pat-hamsika

Mathematics:

Q.1. Determine whether * on \mathbb{Z} defined by $a * b = ab + 5$ is commutative or associative.

Q.2. Find the value of $\cos\left[\cos^{-1}\left(-\frac{\sqrt{3}}{2}\right) + \frac{\pi}{6}\right]$.

Q.3. Find the maximum value of

$$\begin{vmatrix} 1 & 1 & 1 \\ 1 & 1 + \sin\theta & 1 \\ 1 & 1 & 1 + \cos\theta \end{vmatrix}$$

Q.4. If $(\tan^{-1} x)^2 + (\cot^{-1} x)^2 = \frac{5\pi^2}{8}$, then find x.

Q.5. Prove that the function $f : \mathbb{N} \rightarrow \mathbb{N}$ given by $f(x) = x^2 + x + 1$ is one – one but not onto.

Q.6. Solve for x: $\tan^{-1}x - \cot^{-1}x = \tan^{-1}\left(\frac{1}{\sqrt{3}}\right)$.

Q.7. Prove that $\begin{vmatrix} yz - x^2 & zx - y^2 & xy - z^2 \\ zx - y^2 & xy - z^2 & yz - x^2 \\ xy - z^2 & yz - x^2 & zx - y^2 \end{vmatrix}$ is divisible by $(x + y + z)$ and

hence find the quotient .

Q.8. If $A = \begin{bmatrix} 8 & 4 & 3 \\ 2 & 1 & 1 \\ 1 & 2 & 2 \end{bmatrix}$, find A^{-1} . Using A^{-1} solve the system of linear

equations.

$$8x + 4y + 3z = 19,$$

$$2x + y + z = 5,$$

$$x + 2y + 2z = 7.$$

Q.9. Prove the following :

$$\begin{vmatrix} \frac{a^2+b^2}{c} & c & c \\ a & \frac{b^2+c^2}{a} & a \\ b & b & \frac{c^2+a^2}{b} \end{vmatrix} = 4abc$$

Q.10. Find inverse of following matrix by using elementary transformation:

$$A = \begin{bmatrix} 0 & 1 & 2 \\ 1 & 2 & 3 \\ 3 & 1 & 1 \end{bmatrix}$$
