

**ARMY PUBLIC SCHOOL UDHAMPUR**  
**Holiday Homework**  
**CLASS XII (2024 - 25)**

S.NO.	SUBJECT	Holiday Homework for JUNE-July 2024	SUBJECT TEACHER
1.	English	Attempt all the case based passages in your APPLIED ENGLISH GRAMMAR AND COMPOSITION (AWES EDITION). from Pg no 107 to 124. Revise format of ' Invitation and Replies ' Revise Job Application	Mr. Sunil George Mrs. Anamika Bhau
2.	History	<b>◆All questions of ch 4 to be done on history notebook</b> <b>Very Short Answer Type Questions</b> <b>Q1:</b> How did the rulers of Bhopal contribute to the preservation of the ancient site at Sanchi? <b>Q2:</b> What is the Rigveda, and when was it compiled? <b>Q3:</b> What were the early Vedic sacrifices performed for? <b>Q4:</b> Who questioned the authority of the Vedas and emphasized individual agency? <b>Q5:</b> What is the most important idea in Jainism? <b>Q6:</b> What did the Buddha emphasize as the means to escape	Ms. Sapna Sharma

		<p>the cycle of rebirth?</p> <p><b>Q7:</b> What does the term "Mahayana" mean in the context of Buddhism?</p> <p><b>Q8:</b> What is the significance of the shikhara in temple architecture?</p> <p><b>Q9:</b> What type of images did European scholars find most exciting in India?</p> <p><b>Q10:</b> What concept emerged in Hinduism, emphasizing the worship of a chosen deity with love and devotion?</p> <p><b>Short Answer Type Questions</b></p> <p><b>Q1:</b> Who provided financial support for the preservation of the ancient site at Sanchi?</p> <p><b>Q2:</b> What is the significance of the mid-first millennium BCE in world history according to the text?</p> <p><b>Q3:</b> What fundamental idea did Mahavira emphasize in Jainism?</p> <p><b>Q4:</b> What key concept did the Buddha emphasize regarding</p>	
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		<p>human existence and suffering?</p> <p><b>Q5:</b> What is the meaning of the term "Mahayana" in the context of Buddhism?</p> <p><b>Q6:</b> Who were the early followers of the Buddha and what social groups did they include?</p> <p><b>Q7:</b> What is the primary purpose of stupas in Buddhist beliefs and practices?</p> <p><b>Q8:</b> How did early Indian sculptors depict the presence of the Buddha before representing him in human form?</p> <p><b>Long Answer Type Questions</b></p> <p><b>Q1:</b> Discuss the key philosophical differences between the teachings of Mahavira and the early Vedic sacrificial traditions.</p> <p><b>Q2:</b> Explain the development and significance of Mahayana Buddhism in contrast to early Buddhist teachings.</p> <p><b>Q3:</b> Describe the evolution of</p>	
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		<p>temple architecture in ancient India, highlighting key features and influences.</p> <p><b>Q4:</b> Explore the significance of symbols and motifs in early Indian sculpture, focusing on their representation and cultural integration.</p> <p>◆ Revise all the chapters covered till now</p> <p>◆ Prepare syllabus for cycle test 04</p>	
3.	Political Science	<ol style="list-style-type: none"> <li>1. Critically examine the causes and consequences of disintegration of the Soviet Union.</li> <li>2.) Define - <ol style="list-style-type: none"> <li>a.) Perestroika b.) Glasnost</li> </ol> </li> <li>3.) What is Shock Therapy? Explain the various consequences of Shock Therapy.</li> <li>4.) Evaluate the global influence of following organisation/country- <ol style="list-style-type: none"> <li>a.) EU b.) ASEAN c.) China</li> </ol> </li> <li>5.) Discuss the military rule and democracy in Pakistan and Bangladesh.</li> <li>6.) Evaluate the democracy and ethnic conflict in Sri Lanka.</li> <li>7.) Examine the various conflicts between the South Asian states.</li> <li>8.) Write down the evolution of UNO in a chronological order. Explain the various organs of UNO.</li> <li>9.) Discuss the various reforms required to be done in UNO.</li> <li>10.) Write a short note on - WTO, ILO, IAEA,</li> </ol>	Mr. Muneesh Chopra

		World Bank, IMF, Amnesty International and HRW.	
4.	Geography	<ol style="list-style-type: none"> <li>1. Revise all the chapters covered till now.</li> <li>2. Prepare the external practical file.</li> <li>3. Prepare a notebook of Map work locating all the points as mentioned in the curriculum.</li> <li>4. Practice competency based and source based questions.</li> </ol>	Mrs. Kanupriya
5.	Fine Art	<ol style="list-style-type: none"> <li>1 complete your fine art Notebook &amp; revise all chapters.</li> <li>2. Make 7 paintings in your Practical file of different compositional topics.</li> </ol>	Mr. Rohit Sharma
6.	Physical Education	<ol style="list-style-type: none"> <li>1. <b>Practice competency based and case study of based questions from each chapter (1-4)</b></li> <li>2. <b>Practice 5 Yoga Asana for each lifestyle disease.</b></li> <li>3. <b>Explain the following term and write in your notebook: 1. Special Olympics 2. Paralympics 3.Deaflympics</b></li> <li>4. <b>Explain Strategies to make Physical Activities assessable for children with special needs.</b></li> </ol>	Mr. Manjeet Singh Ms. Deepmala Kotwal
7.	Information Tech	REVISION : Unit -1 : Database Concepts – RDBMS Tool	Mr. Ramesh Upadhyay
8.	Maths	Worksheets of Chapter 1(Relation and Functions), Chapter 2(Inverse trigonometric functions), Chapter 3(Matrices), Chapter 4(Determinants), Chapter 5 (Continuity and Differentiability) , Chapter 6 (Application of Derivatives). Revise all concepts , formulae and practice NCERT book questions related to these Chapters. Complete Notebook of Mathematics .	Mrs. Sakshi
9.	Sociology	<ol style="list-style-type: none"> <li>1. Discuss the different forms of demography. 2</li> <li>2. When was the first modern Census taken? 2</li> <li>3.What do you understand by 'Replacement Level' of the population? 2</li> <li>4. What do you understand by the term 'Dependency Ratio'? 2</li> <li>5. Define fertility rate. 2</li> <li>6. Why is rising dependency ratio a cause for worry in countries that are facing ageing population?4</li> <li>7.Differentiate between infant mortality rate and maternal mortality rate. 2</li> <li>8.Identify the reasons for different replacement levels found in the different States 2 of India.</li> <li>9.Critically analyse Malthusian Theory of</li> </ol>	Mrs. Isha Suresh

		<p>population. 4</p> <p>10. Write a note on the Theory of Demographic Transition with reference to 'Population Explosion'. (4)</p> <p>11. What is meant by Sex Ratio? In your opinion what is the reason for declining sex ratio in India? 4</p> <p>12. What is meant by the 'age structure' of the population? Why is it relevant for economic development and growth? (4)</p> <p>13. Literacy varies across gender, regions and social groups. Explain. 4</p> <p>14. Which state in India has reached or is very near the 'replacement level' of population growth? Which ones still have very high rates of population growth? In your opinion. What would be some of the reasons for these regional differences? (6)</p> <p>15. Why did India's National Population Policy face a set-back? How did the new Government bring changes in it? (6)</p> <p>16. Justify why there is decline in child sex ratio in highly prosperous Indian states? (4)</p> <p>17. Define; Sex ratio, TFR, Child sex ratio</p> <p>18. Give reasons for declining sex ratio in India (4)</p> <p>19. What did Amartya Sen mean from failure of entitlements?</p> <p>20. How does a city offer relative anonymity to an individual? 2</p> <p>Q1. What is the role of the ideas of separation and hierarchy in the caste system?</p> <p>Q2. What are some of the rules that the caste system imposes?</p> <p>Q3. What changes did Colonialism bring about in the caste system?</p> <p>Q4. In what sense has caste become relatively 'invisible' for the urban upper castes?</p> <p>Q5. "Caste has tended to eclipse the other dimensions of identities for the so called scheduled castes and tribes and the backward castes" - justify.</p> <p>Q6. Define the term 'caste'. Also elaborate the distinct terms 'Varna' and 'Jati' &amp; state their precise relationship</p> <p>Q7. Give an account of the terms 'Sanskritisation' &amp; 'Domination Caste', both contributed by M.N. Srinivas.</p> <p>Q8. 'Caste as an institution has proved strongest' - Discuss in view of the cultural and domestic, political sphere</p> <p>Q9. How the development activity of the state and the growth of private industry affects the caste?</p> <p>Q10. Despite the growth of private industry, caste proved to be resilient in the past. Elucidate.</p>	
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10.	Economics	<p>1 Prepare Practical File for external observation</p> <p>2. prepare complete and detailed notes of Indian Economic development (except environment and sustainable development and comparative development experience of India, china and Pakistan)</p>	Mr. Rajesh Jaswal
11.	Biology	<p>CH-I (human reproduction ) WORKSHEET-I</p> <p style="text-align: center;"><b><u>THREE MARK QUESTIONS</u></b></p> <p>1. Where are the following structures present in a male gametophyte of angiosperms? Mention the function of each of them.</p> <p>2. Do all pollen grains remain viable for the same length of time? Support your answer with two suitable examples.</p> <p>3. Explain the different modes of pollination that can occur in a chasmogamous flower.</p> <p>4. Write the differences between wind-pollinated and insect pollinated flowers. Give examples of each type.</p> <p>5. Majority of angiosperms have hermaphrodite flowers, but self-pollination is discouraged by them. Explain any three outbreeding devices that they have developed to achieve it.</p> <p>6. In plant breeding experiments, pistillate flowers are not emasculated, but are still bagged. Explain.</p> <p>7. Differentiate between parthenocarpy and</p>	Mr. Raman Singh

parthenogenesis. Give one example of each.

8. State what apomixis is. Comment on its significance. How can it be commercially used?

9. Apomixis resembles asexual reproduction as well as mimics sexual reproduction in plants. Explain with the help of a suitable example.

10. Parthenocarpy and apomixis have been observed in some plants. Give an example of each.

State a similarity and a difference observed between the two processes.

**(LONG ANSWER TYPE QUESTION 5 MARKS)**

1. (a) Describe any two devices in a flowering plant, which prevent both autogamy and geitonogamy.

(b) Explain the events up to fertilisation after the pollen tube enters one of the synergids in an ovule of an angiosperm

2. (a) when a seed of an orange is squeezed, many embryos, instead of one, are observed. Explain how it is possible

**CH-II WORKSHEET-II**

1. What is pregnancy hormone? Why is it so called? Name two sources of this hormone in a human female.

2. Name the hormone which stimulates the secretion of ovarian hormones. What would happen if the blood concentration of ovarian hormones increases?

3. Explain the formation of placenta after implantation in a human female.

4. What is the role of following hormones in the female reproductive cycle:

1) FSH 2) LH 3) Progesterone

5. a) In which part of the human female reproductive system do the following events take place.

I. Release of 1st polar body

II. Release of 2nd polar body



		<p>III. Fertilization</p> <p>IV. Implantation</p> <p>b) From where do the signals for parturition originate and what does maternal pituitary release for stimulating uterine contractions for childbirth.</p> <p>6. Define spermatogenesis. Where does it occur?</p> <p>7. Write the location and functions of Sertoli cells in humans?</p> <p>8. Differentiate between spermiogenesis and spermiation.</p> <p>9. How does colostrum provide initial protection against diseases to new born infants? Give one reason.</p> <p>10. State the fate of the trophoblast of a human blastocyst at the time of implantation and that of the inner cell mass immediately after implantation.</p> <p>11. What is ovulation? What happens to the Graafian follicle after ovulation?</p> <p style="text-align: center;"><b><u>Long Answer (5marks)</u></b></p> <p>1. What is spermatogenesis? Briefly describe the process of spermatogenesis.</p> <p>2. Briefly describe the process of oogenesis.</p> <p>3. Describe the roles of pituitary and ovarian hormones during the menstrual cycle in a human female.</p> <p>4. Explain in detail the various developmental stages of the zygote until implantation with suitable diagrams</p> <p>Diagrams</p> <p>WORK SHEET -III (CH-III &amp; IV)</p> <p>Q1 Why should sex education be introduced to school-going children? List any five reasons.</p> <p>Q2 Suggest some methods to assist</p>	
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	<p>infertile couples to have children.</p> <p>Q3 List the objectives of Reproductive and Child Health Care Programmes (RCH)</p> <p>Q4 A cross was carried out between two pea plants showing the contrasting traits of height of the plants. The result of the cross showed 50% parental characters. (a) Work out the cross with the help of a Punnett square. (b) Name the type of the cross carried out.</p> <p>Q5 The following questions consist of two statements – Assertion (A) and Reason (R). Answer these questions selecting the appropriate option given below:</p> <p>A. Both A and R are true and R is the correct explanation of A</p> <p>B. Both A and R are true and R is not the correct explanation of A</p> <p>C. A is true but R is false</p> <p>D. A is False but R is true</p> <p>1. Assertion: Sickle cell anaemia occurs due to a point mutation.</p> <p>Reason: The mRNA produced from HbS gene has GUG instead of GAG.</p> <p>2. Assertion: The possibility a human male becoming haemophilic is extremely rare.</p> <p>Reason: Mother of such a male should be normal and the fathers should be haemophilic.</p> <p>3. Assertion: In dog flowers F1 plants produce pink flowers.</p> <p>Reason: It is due to codominance of flower colour alleles with both genes expressing themselves equally.</p>	
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12.	Chemistry	<p>Complete worksheet f ch 4 in assignment notebook. Prepare a project report on an investigatory project.</p>	<p>Mrs. Sukhjeet Kaur Mrs. Vandana Kakkar</p>
13.	Accounts	<p>Project : 1(for external evaluation) 1.write a comprehensive project with your own business Idea in Accounting Process .</p> <p>2 .Complete note book with all numericals upto chapter- Admission of Partner.</p>	<p>Mr. Rakesh Sharma</p>
14.	Business Studies	<p>1. Complete Worksheets of following chapters (Shared in class group) in assignment register:</p> <ol style="list-style-type: none"> <li>Nature &amp; Significance of Management</li> <li>Principles of Management</li> <li>Business Environment</li> <li>Planning</li> </ol>	<p>Mr. Naresh K Dogra</p>
15.	Physics	<p>Worksheet of Chapter 1(Electric charges and field) , Chapter 2(Electrostatic Potential and Capacitance), Chapter 3(Current Electricity), Chapter 4 (Moving Charges and Magnetism) ,</p>	<p>Mr. Naval Gupta Mrs.Megha Raina</p>

		Chapter 5(Magnetism and Matter). Revise all formulae, derivations, graphs, concepts and practice NCERT questions related to these Chapters. Prepare Practical Notebook .	
16.	Home Science		

RAJESH JASWAL  
SUPERVISOR (XII)