



# BCM SCHOOL

A Senior Secondary School of BCM Foundation, Affiliated to CBSE,  
Sector 32 -A, Chandigarh Road, Ludhiana

## HOLIDAYS HOMEWORK CLASS – XI ( HUMANITITES)

### SUBJECT:- ENGLISH

Dear students

As per CBSE guidelines students of class XI will prepare a project work. It must be done individually.  
There will be one project file on any one of the topics given below:

Topics:

- a. Co-education – a boon or a bane : Discussing the positive and negative effects of Co-Education on young people’s lives.
- b. Road Rage : : Raising awareness about this problem and ways to cope with this problem.
- c. Impact of Social media on youth: Discussing the positive and negative effects of social media on young people’s lives.
- d. Brand crazy youth : Discussing the effects of brand craziness on young people’s lives.
- e. Animal Rights : Raising awareness about animal rights and ways to protect animals from cruelty.
- f. War : A situation or a period of fighting between countries or a group of people?

Following points to be considered:

- i. Students can choose any one topic of their choice and do any one activity based on the topic. Activities are:
  - a. Interview
  - b. One act play
  - c. Audio/video presentation
  - d. listen to Podacasts /Documentaries.
- ii. Project to be divided into four phases: plan, research, create & present.
- iii. What to include in the project:
  - a. Cover page
  - b. Table of contents
  - c. A declaration by the student.
  - d. Certificate of completion
  - e. Statement of purpose/objectives
  - f. Materials used (evidence of process and progress)
  - m. Students’ reflection sheet ( what worked well, areas that
  - g. Methodology for the project
  - h. Description and analysis of the data/information
  - i. Conclusions
  - j. Photographs
  - k. Limitations of the research/project work
  - l. Recommendations need improvement, my action plan for improvement)
  - n. Bibliography/ reference

## **SUBJECT:- ECONOMICS**

### **CBSE PROJECT WORK**

Students are directed to prepare project for XI final board practical as per CBSE guidelines-

**For instructions follow the given link:-**

[https://cbseacademic.nic.in/web\\_material/CurriculumMain24/SrSec/Economics\\_SrSec\\_2023-24.pdf](https://cbseacademic.nic.in/web_material/CurriculumMain24/SrSec/Economics_SrSec_2023-24.pdf)

### **Suggestive List of Projects:**

- |   |  |
|---|--|
| 1 Effect on PPC due to various government policies  | 7 Monopolistic Market- most Realistic Market situation     |
| 2 Opportunity Cost as an Economic Tool (taking real life situations)                                  | 8 Contemporary Employment situation in India               |
| 2 Law of diminishing marginal utility   | 9 Sarva Shiksha Abhiyan - Cost Ratio Benefits              |
| 3 Effect on Equilibrium Prices in Local Market (taking real life situation or recent news)            | 10 Minimum Support Prices                                  |
| 4 Effect of Price Change on a Substitute Good (taking prices from real life visiting local market)    | 11 Waste Management in India - Need of the hour            |
| 5 Effect of Price Change on a Complementary Good (taking prices from real life visiting local market) | 12 Digital India- Step towards the future                  |
| 6 Bumper Production- Boon or Bane for the Farmer  | 13 Vertical Farming - An alternate way Aatmanirbhar Bharat |
| • Any other newspaper article and its evaluation on basis of economic principles                      | 15 Sri Lanka's Economic Crisis                             |
| Any other topic from syllabus   | 16 Environmental Crisis                                    |

### **ORDER OF SHEETS-**

- |                           |                |
|---------------------------|----------------|
| 1. Main sheet             | .Content       |
| 3. Certificate by teacher | 7. Conclusion  |
| 4. Acknowledgement        | 8 BIBLIOGRAPHY |
| 5. Index                  |                |

## **SUBJECT:- MUSIC VOCAL**

### **Optional & Arts**

#### **Brief history of the following -**

- Lay, Taal, Nibadh-Anibadh Gaan, Dhrupad & khayal.
- Description of Taals with Taal Notation -
  - Ektaal, chautaal, kehrava & Dadra.
- Biographies of Pandit Vishnu Narayan Bhatkhande, Tansen
- Musical elements in Natya Shastra.

#### **Note -**

- Write and learn whole syllabus along with MCQs.
- Do more singing Practice of Ragas through YouTube.

## **SUBJECT:- PAINTING (ARTS & COMMERCE)**

### **Practical –**

- 2 compositions, 2 landscapes, 1 still life.

### **Theory -**

- |                          |                              |
|--------------------------|------------------------------|
| • Prepare chapters       | • Pre-historic rock Painting |
| • An introduction of art | • Do the assignment          |

## **SUBJECT:- COMMERCIAL ARTS**

### **Practical –**

- 3 ads and 3 posters

### **Theory -**

- Prepare chapters
- An introduction of art
- Pre-historic rock Painting
- Do the assignment

### **SUBJECT:-FASHION STUDIES**

1. Prepare designs with dots
2. Prepare designs with straight lines
3. Prepare designs with curve lines
4. Prepare designs with zig-zag lines
5. Prepare color wheel
6. Prepare sheet of primary colors
7. Prepare sheet of secondary colors
8. Prepare sheet of tertiary colors.
9. Write 30 Questions from Unit-2 of 1 mark each.

### **SUBJECT:-PHYSICAL EDUCATION**

- Practical-1 Fitness test administration (SAI Khelo India Test) Age category 9 to 18 yrs
- Practical -2 Procedure for Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease.
- Practical- 3 Game Badminton
- Labeled diagram of field & Equipment. Also mention its Rules, Terminologies & Skills.
- **Note** – Make the files in a neat and clean manner, no Pasting allowed

### **SUBJECT:-MASS MEDIA**

#### **PRACTICAL**

#### **1. Film Analysis:**

Watch a critically acclaimed film of your choice and write a detailed analysis focusing on its narrative structure, cinematography, editing, and sound design. Discuss the film's themes, message, and the director's stylistic choices. Include examples and references to support your analysis.

#### **2. A3 CHART MAKING**

Students will make A3 Charts or Posters on the following topics –

- What is Mass Communication? **(XI MED)**
- What are the different types of mass mediums? **(XI NON MED – A)**
- What is Journalism? **(XI NON MED – B)**
- Career options in Journalism and Mass communication **(XI COM – B TILL ROLL NO. 25)**
- Basics of Graphic Design **(XI COM – B ROLL NO. 25 ONWARDS)**
- Relationship between Music and cinema **(XI COM C AND XI ARTS – A TILL ROLL NO. 20)**
- What is logo design? What are the different types of logos? **(XI ARTS A – ROLL NO. 20 ONWARDS)**
- Table - Natural Abilities of a Human Being **( XI ARTS – B TILL ROLL NO. 25)**
- Different types of shots in Photography **( XI ARTS - B ROLL NO. 25 ONWARDS)**

#### **3. VLOG MAKING**

- Make a VLOG on any topic of your choice (Travel, Food, fashion, make up etc) It should have a starting and an ending (Thanks for Watching) animated video (you can use Canva for the same.)

#### **THEORY**

- Revise all the completed chapters thoroughly.
- Make a list of 20 objective questions from each chapter and bring it in written or typed form.

### **SUBJECT:-LEGAL STUDIES**

**OBJECTIVES OF THE PROJECT:** The project work aims to enable students to:

- identify a legal problem and provide its remedy
- select relevant legal sources and conduct research
- analyze and distinguish between types of cases
- apply case laws and relevant statutory laws

**Students can opt for any ONE Project from the three topics given below:**

**Topic 1:** Students can prepare a research project addressing legal issues related to any topic from the textbook or around them that needs immediate redressal.

Some suggested topics-

- Uniform Civil Code
- Law reforms in India
- Juvenile Justice
- Death Penalty
- Any other course related topic

**OR**

**Topic 2-** Students can conduct research and draft a report on any recent legislation/ amendment that brought about a social change, for example: Consumer Protection Act, Information Technology Act, Right to Information Act etc.

To conduct research students can examine the conditions that give rise to need for law reform; the agencies of reform; mechanism of reform; assess the effectiveness of law reform in achieving just outcomes with regards to the issue.

**METHODOLOGY FOR TOPICS 1 & 2:**

The project file should be at least 15 pages. Steps:-

- Choose a topic
- Gather information from various sources
- Write a statement of purpose of the project
- Support it with research evidence
- Presentation of project should include headings
- List the sources

**OR**

**Topic 3- Understanding the important elements of 'JUDICIAL DECISION'**

**OBJECTIVES-**The project work aims to enable students to:

- Identify a legal problem and provide its remedy
- Select relevant legal sources and conduct research
- Analyze and distinguish between types of cases
- Apply case laws and relevant statutory laws
- Understand parts of a judicial decision

**METHODOLOGY FOR TOPIC 3:**

1. The student is required to select any 5 decided cases where in one case is of criminal nature, one is of civil nature, one is constitutional, one is related to international law and one is of student's choice (PIL if possible).

2. The research on the cases must include the following points:

- a. Name of the case
- b. Parties to the case
- c. Nature of the case (Civil, Criminal or Constitutional)
- d. Facts of the case and issues involved
- e. Decision of the case
- f. Citation of the case

**SUBJECT:- POLITICAL SCIENCE**

**GENERAL INSTRUCTIONS:**

• **The project should be handwritten.**

1. The content should be original based on real facts from political situations of past and present.

**RUBRICS FOR ASSESSMENT**

S.no.	Parameters for assessment	Marks
1	Preparation and presentation of file	5 marks
2	Research work	5 marks
3	Understanding and application of legal concept	5 marks
4	Viva	5 marks
<b>Total</b>		<b>20 marks</b>

2. Use white /coloured A4 size sheets only.
3. Use eco-friendly products without incurring too much expenditure.
4. For any creative and innovative presentation use material available at home like old files, newspapers, shagun envelopes, gift wraps, invitation cards etc.
5. The project is of 20 marks in total where 10 marks are for viva –voce and remaining 10 are for project work.
6. The project will be evaluated on parameters like Introduction (2), Variety of contents (3), Presentation (3), Conclusion (1), Bibliography (1), Viva (10).

CHOOSE ANY ONE TOPIC FROM BELOW:

#### # Fundamental Rights and their limitations

You must have observed that during this pandemic situation, the government had imposed several restrictions on the free movement of citizens. Based on your observations, try to make report on the following:

- Kind of restrictions imposed on your movement
- Are these limitations justified? If yes, then how?
- Your personal experiences about these restrictions.
- Is there any past event in Indian context, where Fundamental Rights of citizens had been ever restricted? Explain that situation of citizens in your own words.
- On a fun side, try to create a caricature depicting situation of Indian Citizens or you may act as a journalist who has written an article for newspaper about these restrictions. (Art Integration)

OR

#### # LIMITATIONS ON THE POWER OF THE GOVERNMENT

- The one of the features of the constitution states that, it limits the power of the government by specifying some fundamental rights for citizens.
- Explain any two rights which can limit the power of government in your opinion.
- Is there any specific event from past or present, where citizens have used these rights to pressurize government? Explain in detail?
- Are these limitations on the working of government, justified? Justify your opinion with suitable examples.
- If you would be given a chance to add one more right to the list of fundamental rights to limit the power of government. Which right you would be adding and why?
- Create a beautiful collage from recent news headlines where these kinds of pressures and limitations are visible.

#### **SUBJECT:-HOME SCIENCE**

- To prepare practical files and to prepare few recipes of low budget and different food groups at home.

#### **SUBJECT:-PSYCHOLOGY**

**You have to conduct a psychological inquiry by following the steps mention in chapter 2**

Important things to be noted:-

- Mention and use appropriate method of research
- Mention and identify External Variables

- Mention any technique you are using to minimize the EV
- YOU HAVE TO MAKE POWER POINT PRESENTATION FOR THE SAME.**

**SUBJECT:-HINDI**

- 1 जनसंचार माध्यम के 60 प्रश्न याद करें।
- 2 किसी कंपनी में क्लर्क की नौकरी के लिए स्ववृत्त लेखन तैयार करें।
- 3 निम्नलिखित विषयों पर रचनात्मक लेख लिखें -
  - (1) खाली दिमाग शैतान का घर(ख) आधुनिक युग के युवाओं की चुनौतियां
  - (ग) नदी किनारे का दृश्य
- 4 . पाठ- (क) लता मंगेशकर- 20 एमसीक्यू
  - (2) राजस्थान की रजत बूंदे- 20 एमसीक्यू
  - (3) अप्पू के साथ ढाई साल -15 एमसीक्यू
  - (4) विदाई संभाषण -15 एमसीक्यू
  - (5) घर की याद -10 एमसीक्यू
- 5 परियोजना कार्य-- निम्नलिखित में से किसी एक विषय पर परियोजना कार्य तैयार करें- (कम से कम 15 पेज)
  - (क)आधुनिक कालीन कवि
  - (ख) प्रेमचंद की कहानियां
  - (ग) उपन्यास सम्राट प्रेमचंद
  - (घ) कबीर का व्यक्तित्व और कृतित्व
  - (ङ.) हिंदी साहित्य में निराला का योगदान
  - (च) वात्सल्य सम्राट सूरदास
  - (छ) कृष्ण भक्ति काव्य और मीरा

**SUBJECT:- TOURISM**

Project- Any one topic

1. Students will prepare tourism brochure advertising any one of the UNESCO World Heritage sites in India. The report will highlight the main features from office cities services and uniqueness of the chose and destination. Student will also write an advertising script promoting tourism of chosen the destination.
2. Students will compare items of information such as process obtained at travel agencies pages download from the internet articles and advertisements in the general media they will create report on the objectives of each piece of information? What are the target audience ?And what are the various channels of distribution of information?
3. Students will collect detail information on other industries such as transport, accommodation and other services the report shall highlight how these industries are important and are linked to the tourism industry.
4. Students will research and collect data in relation to travel documents, travel insurance, weather, currency accommodation attractions of any one destination within their countries. It she include possible itineraries information brochure and marketing strategies full stops of the chosen destination
5. Students will research the latest trends in the tourism industry both locally and internationally and creator report on it full stop the report shell include new travel and tourism marketing strategies upcoming tourism markets target customer base for the recent trends and recent changes in promotion and marketing of tourism products.

**Practical File**

1. Demonstrate acquire knowledge through lab activities such as maps charts role play etc.

## SUBJECT- IP & CS

1. Differentiate between system software and an application software.
2. What task does the code generation face of the compiler perform?
3. How does memory management takes place in an operating system?
4. How does processing takes place in a computer?
5. What do u mean by an interpreter? Explain.
6. What does cross platform language mean?
7. Define Literal, Variable, Identifiers
8. State the different data types used in python.
9. What do u mean by Keywords?
10. Write a python code to input two numbers display the numbers after swapping them without using built in functions or a third variable.  
Hint(sample space: a=95 b=46  
Sample output a=46 b=95)
11. Write a python code to enter a number .if the number is a positive even number then display three successive even numbers. If the number is a negative odd number, then display three preceding odd numbers otherwise display "Number is neither a positive even nor negative odd".  
Sample input=-21  
Sample output: 36,38,40  
Sample output: -23,-25,-27  
Sample Output:- Number is neither positive even nor negative odd.  
Sample input=-34
12. Write a python code to input three different single digit numbers between 1 and 9 ( both inclusive).Display the greatest and the smallest three digit number.  
Sample Input:- 8,3,5  
Sample Output:- Greatest three digit Number=835  
Smallest three digit number=358

## SUBJECT- PUNJABI

1. ਹੇਠ ਲਿਖੇ ਵਿਸ਼ਿਆਂ ਵਿੱਚੋਂ ਕਿਸੇ ਇੱਕ ਵਿਸ਼ੇ ਤੇ ਪ੍ਰੋਜੈਕਟ ਤਿਆਰ ਕਰੋ:  
ਸੱਭਿਆਚਾਰਕ ਗਤੀਵਿਧੀਆਂ (ਲੋਕ- ਨਾਚ, ਲੋਕਗੀਤ, ਲੋਕ ਬੋਲੀਆਂ), ਪੁਸਤਕ ਸਮੀਖਿਆ, ਸਲੋਗਨ ਲੇਖਨ, ਪੇਂਡੂ ਸ਼ਹਿਰੀ ਜੀਵਨ, ਸਮਾਜਿਕ ਕੁਰੀਤੀਆਂ, (ਦਾਜ਼, ਭਰੂਣ- ਹੱਤਿਆ, ਨਸ਼ੇ ) ਮਾਂ ਬੋਲੀ, (ਮਹੱਤਤਾ ਤੇ ਪ੍ਰਚਾਰ ਪ੍ਰਸਾਰ) , ਪੰਜਾਬੀ ਪਹਿਰਾਵਾ , ਪੰਜਾਬੀ ਰਹਿਣ ਸਹਿਣ , ਪੰਜਾਬੀ ਹਾਰ ਸਿੰਗਾਰ, ਵਿਰਾਸਤੀ ਖੇਡਾਂ, ਕੋਰੋਨਾ ਕਾਲ ਵਿੱਚ ਮੇਲੇ ਤੇ ਤਿਉਹਾਰ, ਕੋਰੋਨਾ ਕਾਲ ਸਮੇਂ ਵਿਆਹ ਤੇ ਹੋਰ ਸਮਾਗਮ
2. ਵੱਖ ਵੱਖ ਵਿਸ਼ਿਆਂ ਨਾਲ ਸਬੰਧਤ ਸ਼ਬਦਾਵਲੀ (ਸਾਰੀ)
3. ਦਫ਼ਤਰੀ ਸ਼ਬਦਾਵਲੀ (ਸਾਰੀ) ਯਾਦ ਕਰੋ ।

## SUBJECT:-MATHS

- Q. 1: The sum of an infinite G.P. is 16 and the sum of the squares of its terms is  $153\frac{3}{5}$ . Find the common ratio and fourth term of the progression.
- Q.2: If  $S_1, S_2, S_3$  are the sums of first  $n, 2n, 3n$  terms of a G.P., then show that  $S_1(S_3 - S_2) = (S_2 - S_1)^2$
- Q.3: Sum the series :  $(x + y) + (x^2 + xy + y^2) + (x^3 + x^2y + xy^2 + y^3) + \dots$  upto  $n$  terms.

Q.4: If  $x = a + \frac{a}{r} + \frac{a}{r^2} + \dots \infty$ ,  $y = b - \frac{b}{r} + \frac{b}{r^2} + \dots \infty$  and  $z = c + \frac{c}{r^2} + \frac{c}{r^4} + \dots \infty$  where  $|r| > 1$  show that

$$\frac{xy}{z} = \frac{ab}{c}.$$

Q.5: Three numbers whose sum is 70 are in G.P. If each of the extremes is multiplied by 4 and the mean by 5, the numbers will be in A.P. Find the numbers.

Q.6: The lengths of the sides of a triangle form a G.P. If the perimeter of the triangle is 37 cm and the shortest side is of length 9 cm, find the lengths of the other two sides.

Q.7: The lengths of three unequal sides of a rectangular solid block are in G.P. The volume of the block is  $216 \text{ cm}^3$  and its surface area is  $252 \text{ cm}^2$ . Find the length of the longest edge.

Q.8: If the  $p^{\text{th}}$  and  $q^{\text{th}}$  terms of a G.P. are  $q$  and  $p$  respectively show that its  $(p+q)^{\text{th}}$  term is  $\left(\frac{q^p}{p^q}\right)^{\frac{1}{p-q}}$ .

Q.9: If  $S$  be the sum,  $P$  be the product and  $R$  be the sum of the reciprocals of three consecutive terms of a G.P. then find  $P^2R^3 : S^3$ .

Q.10: There are  $n$  arithmetic means between 3 and 17. The ratio of the first mean to the last mean is 1:3. Find  $n$ .

Q.11: Two dice are thrown.

(i) What are the odds in favour of getting the sum 5?

(ii) What are the odds against getting the sum 6?

Q.12: A die is loaded in such a way that each odd number is twice as likely to occur as each even number. Find  $P(G)$  where  $G$  is the event that a number greater than 3 occurs on a single roll of the die.

Q.13: Three dice are thrown simultaneously. Find the probability of getting a total of at least 6.

Q.14: Four persons A, B, C and D have applied for the assignment to coach a school cricket team. If A is twice as likely to be selected as B, B and C are given the same chance of being selected, while C is twice as likely to be selected as D, what are the probabilities that (i) C will be selected (ii) A will not be selected?

Q. 15: There are three mutually exclusive and exhaustive events  $E_1$ ,  $E_2$  and  $E_3$ . The odds are 8:3 against  $E_1$  and 2:5 in favour of  $E_2$ . Find the odds against  $E_3$ .

16. If  $A = \{1, 3, 5, \dots, 17\}$  and  $B = \{2, 4, 6, \dots, 18\}$  and  $N$  the set of natural numbers is the universal set then show that  $A' \cup (A \cap B) \cap B' = N$

17. Let  $x_1, x_2, x_3, x_4, \dots, x_n$ . If each observation increased, decreased, multiplied, or divided by a non zero constant  $a$ , then the mean also increased, decreased, multiplied or divided by the same constant  $a$ . In case of variance, if each observation is increased or decreased by the same constant then variance remains unchanged. But on multiplying or dividing each observation by same non-zero

constant  $a$ , the variance  $\sigma^2$  becomes  $\sigma^2 a^2$  or  $\frac{\sigma^2}{a^2}$  respectively. So, we can say that variance is independent of change of origin but not of scale. Based on above information, answer the following questions:

(i) The mean of 10 observations is 18. If each observation is increased by 2, then find the new mean.

(ii) The mean of 7 observations is 25. If each observation is decreased by 3, then find the new mean.

(iii) The mean of  $n$  observations is  $\bar{x}$ . If each observation is multiplied by same non zero constant  $k$ , then find the new mean.

Or

The variance of 20 observations is 6.5. If each observation is increased by 4, then find the new variance.



18. The mean and standard deviation of some data for the time taken to complete a test are calculate with the following result:

Number of observations =25, mean = 18.2 seconds, standard deviation= 3.25 seconds. Further , another set of 15 observations  $x_1, x_2, x_3, x_4, \dots, x_{15}$  also in seconds is now available and we have

$$\sum_{i=1}^{15} x_i = 279 \text{ and } \sum_{i=1}^{15} x_i^2 = 5524$$

Based on above information ,answer the following questions

- (i) Find the sum of all 40 observations.
- (ii) Find the mean of all 40 observations
- (iii) Find the sum of squares of all 40 observations.

Or

Find the standard deviation of all 40 observations.

19. An urn contains of twenty white slips of paper numbered from 1 to 20 and ten red slips of paper numbered 1 to 10 and ten blue slips of paper numbered 1 to 10, forty yellow slips of paper numbered 1 to 40. These 80 slips of paper are thoroughly shuffled so that each slip has equal chance of being drawn. A slip is drawn at random from the urn. Based on above information answer the following questions :

- (i) Find the probability that the slip drawn is blue or white.
- (ii) Find the probability that the slip drawn is numbered 1,2,3,4,5.
- (iii) Find the probability that the slip drawn is red or yellow and number 1,2,3 or 4

Or

Find the probability that the slip drawn is white and number higher than 12 or yellow and numbered higher than 26.

20. Competitive Exams are considered an egalitarian way to select worthy applicants without risking influence peddling, bias or other concerns. Self-motivated and hard worker candidates find these exams very simple.to clear a prestigious competitive exam to get admission in a world reputed college , a student has 75% chances of passing in at least one subject out of three subjects A, B, and C , 50% chances of passing in at least two subjects and 40 % chances of passing in exactly two subjects.,

Based on above information answer the following questions

- (i) What is the value of  $P(A \cup B \cup C)$  ?
- (ii) What is the probability that student is not to clear any of three subjects?
- (iii) What is the value of  $P(A \cap B) + P(B \cap C) + P(A \cap C)$  ?

Lab Activities: -

- To demonstrate that the Arithmetic mean of two different positive numbers is always greater than the Geometric mean.
  - To verify distributive law for three given non-empty sets A, B and C.
  - To write the sample space, when a coin is tossed once, two times, three times, four times.

## **SUBJECT:-FOOD PRODUCTION**

- To prepare practical files and to prepare snacks and sweets from all the four directions North, East, West and South and have write their recipes too.

## **SUBJECT:-YOGA**

- To prepare practical files

### **Topics for Practical File:-**

- Make a flow Chart of Asanas and Define any two Asanas and its Sub types with Diagram , Benefits and methods. .

**Note** – Make the files in a neat and clean manner as it would be evaluated for your finals.