

HOLIDAY HOME WORK
CLASS XII-HUMANITIES

HINDI:

1. 'शैक्षणिक भ्रमण 2026: एक अनोखा अनुभव' विषय के आधार पर यात्रा-वृत्तांत। (अभ्यास-पुस्तिका में, अधिकतम 2 पृष्ठ)
2. 'देश के प्रति हमारा उत्तरदायित्व' अथवा 'शांति-सद्भावना' विषय पर गीत रचना। (अभ्यास-पुस्तिका में, न्यूनतम 12 पंक्तियाँ)

ENGLISH:

XII – Synopsis presentation (1000 Words)

Attributes

Title

Introduction – 100 words

Objective – 100 words

Problem Statement

Methodology – 100 words

Target Group

Tools Used

Data Collection (Types)

Analysis (Topic) – 100 words

Findings / Observation – 100 words

Conclusion – 100 words

Suggestion / Recommendation – 100 words

Learning Experience – 100 words

Bibliography

Appendix – 100 words

a) Questionnaire

b) Interview Transcripts

c) Survey Forms

HISTORY:

Watch episodes 1-30 of Bharat Ek Khoj by Prashar Bharati Archives, available on youtube.

Write a summary of each episode in a thin homework copy. The summary should be at least one page and could be more. Mention your learnings from the episodes as well.

GEOGRAPHY: Population Explosion or Population Dividend?

Study the changing Total Fertility Rate (TFR) trends in South Asia and analyse whether the region's growing youth population is becoming an economic opportunity or a developmental challenge. Include the following:

1. Introduction - Meaning of TFR, population explosion, and demographic dividend.
2. Changing Population Trends- Declining fertility rates and changing population structure in South Asian countries, growth of youth population and working-age population.
3. Economic & Social Impact- Employment and unemployment, education and skill development, urbanisation and migration, pressure on resources and infrastructure, role of youth in economic growth and innovation.
4. Comparative Analysis- Developed vs developing regions, advantages and challenges of a large young population.
5. Data Presentation Include: Graphs and charts, comparative TFR tables, census data , UN, or survey-based data.
6. Current Scenario & Case Studies- Ageing population vs youthful population, government initiatives related to employment and skill development,migration and brain drain trends.

Submission Guidelines- Projects must be handwritten using A4 sheets. Creativity, presentation, use of data, and analytical understanding will be assessed.

ECONOMICS (030)

1. Prepare the Board Project File neatly and systematically for Practical Examination.
2. Write an original article in about 200 words on any one of the following topics in A4 Sheet.
 - “From Cash to QR Code Economy”
 - “Freedom or Insecurity? The Reality of Gig Workers”
 - “Orange Economy: Turning Talent into Wealth”
 - “AI Revolution: Threat or Opportunity for Employment?”
3. Solve all the numericals of “Aggregates of National Income” from textbook.
4. Prepare a separate notebook page for important formulas related to National Income (NI).

5. Make a creative Mind Map of Chapter–2:
“Indian Economy (1950–1990)” including:
 - Goals of Five Year Plans
 - Agriculture
 - Industry
 - Trade Policy
 - Green Revolution
 - LQP Policy and licence Raj

6. Revise all completed chapters regularly for better conceptual understanding.

BANKING (811)

1. Prepare the Banking Project File neatly and systematically for Board Examination.
2. Revise Chapter–1 “Ancillary Services of Banks” thoroughly for the Quarter–1 Test.
3. Make a creative Mind Map of Chapter–2 “Organisation of Banking”.
4. Prepare a Board Practical File on the following topics with the help of sample formats provided in class:
 - Letter of Credit (LC)
 - Demand Draft (DD)
 - Cheques
 - NEFT & RTGS
 - Credit Card and Debit Card
 - ATM Machine

Students have to neatly fill the entries/details in the given sample formats and attach them properly in the practical file.

5. Write an original article in about 200 words on ANY ONE of the following interesting topics:
 - “Financial Inclusion: Bringing Banking to Every Doorstep”
 - “SIP Today, Financial Security Tomorrow”
 - “Money in Hand or Money in Bank: What is Safer?”
 - “When Banks Suffer: Impact of NPA on Banking Health and Mergers”
 - “From Piggy Bank to Digital Banking: Changing Saving Habits”

- “Cashless India: Convenience or Dependency?”
 - “Cyber Safety in Banking: A Need of the Digital Age”
6. Write all the banking abbreviations from Chapter–1 and Chapter–2 in your notebook neatly with their full forms.
Example: DD – Demand Draft
 7. Maintain proper handwriting, presentation and creativity in all holiday homework work.

Hindustani Music vocal code (034)

1. Hand beat practice of Rupak Tal with Dugun, Tigun And Chauguni Layakari .
2. Hand beat practice of Jhaptall with Dugun, Tigun And Chauguni Layakari.
3. Hand beat practice of Dhamar Tall With Dugun , Tigun And Chauguni Layakari.

Yoga Skill Subject (841)

Prepare notes for the topics given below -

1. Write the meaning, purpose and significance of **yoga sadhana**.
2. Write the principle and health benefits of **Yogasana**.
3. Introduction of Pranayama and Dhyana and their health benefits.

PSYCHOLOGY

1. Conduct case study on any psychological attribute.

Physical Education (048)

Prepare a well notes

1. Management of Sporting Events

Prepare a file on organizing a school sports event

Include:

- Committees and their responsibilities
- Fixtures (Knock-out & League)
- Importance of intramural competitions

Unit 2: Children and Women in Sports

1. Exercise guidelines for children
2. Postural deformities & corrective measures
3. Women participation in sports

4. Female athlete triad.
5. Prepare track including

MATHS

Q-1 find principal value of $\sin^{-1}(-1/2)$

Q-2 Evaluate $\tan^{-1}(3)^{1/2} - \sec^{-1}(-2)$

Q-3 simplify the expression $\cos^{-1}(\cos 7\pi/6)$

Q-4 prove

$$\sin^{-1}(2x/(1+x^2)) = 2\tan^{-1}(x)$$

Q-5 Solve for x

$$\tan^2 x + \tan^3 x = \pi/4$$

Q6 draw graphs of ITF

3. Let $f: \mathbb{R} \rightarrow \mathbb{R}$ be defined by $f(x) = x^2$. Then, f is

- (a) one-one onto
- (b) many-one onto
- (c) one-one but not onto
- (d) many one into

4. Which of the following function from \mathbb{R} to \mathbb{R} is one-one function?

- (a) $f(x) = e^x$
- (b) $g(x) = e^{x^2}$
- (c) $h(x) = \sin x$
- (d) $\phi(x) = \cos x$

5. The range of the function $f: \mathbb{R} \rightarrow \mathbb{R}$ given by $f(x) = x - [x]$ is

- (a) $[0,1]$
- (b) \mathbb{R}
- (c) $\mathbb{R} - \mathbb{Z}$
- (d) $[0,1)$

6. Let $f: \mathbb{R} \rightarrow \mathbb{R}$ be a function defined by $f(x) = x^3 + 1$, then f is

- (a) injective but not surjective
- (b) surjective but not injective

- (c) bijective
- (d) neither injective nor surjective

7. If $f: [3, \infty) \rightarrow B$ given by $f(x) = x^2 - 6x + 14$ is a bijection, then B is equal to

- (a) $[3, \infty)$
- (b) $[5, \infty)$
- (c) $(5, \infty)$
- (d) \mathbb{R}

8. Let $A = \{1, 2, 3, 4\}$ and $B = \{x, y, z, t, u, v\}$. Then, the number of one-one functions from A to B is

- (a) 15
- (b) 24
- (c) 360
- (d) 6■

9. Let $A = \{1, 2, 3, 4, 5\}$ and $B = \{2, 4\}$. Then, the number of onto functions from A to B is

- (a) 30
- (b) 32
- (c) 25
- (d) 10

10. Let $f: \mathbb{Z} \rightarrow \mathbb{Z}$ be given by: $f(x) = x/2$ if x is even, and 0 if x is odd. Then f is

- (a) one-one but not onto
- (b) onto but not one-one
- (c) one-one and onto
- (d) neither one-one nor intro

23. The number of possible reflexive relations on a set consisting of 3 elements is

- (a) 512
- (b) 64
- (c) 256
- (d) 128

24. The relation $R = \{(1, 1), (2, 2), (3, 3)\}$ on the set $\{1, 2, 3\}$ is

- (a) symmetric only
- (b) reflexive only
- (c) an equivalence relation
- (d) transitive only

25. S is a relation over the set R of all real numbers and it is given by $(a,b) \in S$ iff $ab \geq 0$. Then, S is

- (a) symmetric and transitive only
- (b) reflexive and symmetric only
- (c) antisymmetric relation
- (d) an equivalence relation

26. In the set Z of all integers, which of the following relation R is not an equivalence relation?

- (a) xRy : if $x \leq y$
- (b) xRy : if $x = y$
- (c) xRy : if $x-y$ is an even integer
- (d) xRy : if $x \equiv y \pmod{3}$

27. The number of possible symmetric relations on a set consisting of 4 elements is

- (a) 512
- (b) 1024
- (c) 256
- (d) 32

28. The smallest equivalence relation defined on the set $\{4,5\}$ is

- (a) $\{\}$
- (b) $\{(4,5)\}$
- (c) $\{(4,4),(5,5)\}$
- (d) $\{(4,5),(5,4)\}$

29. Let $A = \{x,y,z\}$. The relation on A which is not an equivalence relation is

- (a) $\{(x,x),(y,y),(z,z)\}$
- (b) $\{(x,x),(y,y),(z,z),(x,y),(y,x)\}$
- (c) $\{(x,x),(y,y),(z,z),(y,z),(z,y)\}$
- (d) $\{(x,x),(y,y)\}$

30. Let T be the set of all triangles in the Euclidean plane, and let a relation R on T be defined as aRb if a is congruent to b . Then, R is

- (a) reflexive but not symmetric
- (b) transitive but not symmetric
- (c) equivalence
- (d) none of these

Mass Media Studies

Create a video after visiting any heritage site. The video should be of good quality and after using some editing software, compile your shots and make it into one video with your voice over. The time limit of the video is 1minute 30 seconds. Also click several photos of it and make a collage of good and neat photos with your experiences added to that collage.

Political Science

Make a project report on Israel,Iran and United States war and its international impact

Painting:

1. Draw any one painting of the scenery you would have liked the most on your trip to Jaipur
2. You have to make one Kangara miniature painting