

**HOPE HALL FOUNDATION SCHOOL
HOLIDAY HOMEWORK (2024-25)
CLASS XI COMMERCE**

ENGLISH

Date: -21. 05.24

1. Write a speech to be delivered in the morning assembly of your school on the topic- “How to make the world a better place.” (125-150 words)
2. Write an article or a poem on the topic “women empowerment”.
3. Read the novel “The Hound of the Baskervilles” by Arthur Conan Doyle and write its review in 250-300 words including the following points-
 - Plot
 - Theme
 - Genre
 - Characters
 - Opinion of critics
4. From the base form of the verb form adjectives, adverb, nouns wherever possible by selecting minimum 30 words from the dictionary.
 Note- Do these questions in a separate notebook.

ECONOMICS

- Q1 Frame a questionnaire comprising 12 questions to judge best NEWS channel among Delhi viewers.
- Q2 Prepare a project on any one topic:-
 (1) Role of RBI (2) India's population growth rate (3) Globalization

ACCOUNTANCY

- Q1. Write 3 difference between book keeping and accounting.
- Q2. Explain the different branches of accounting
- Q3. What are the advantages and limitations of accounting. Explain any three of each
- Q4. Explain the following terms
 - A) Current Assets
 - B) Debtors
 - C) Creditors
 - D) Gain
 - E) Revenue Expenditure

BUSINESS STUDIES

- Q1 Visit a bank and discuss it's working
- Q2 Prepare a project on any start-up business.

INFORMATICS PRACTICES

- Create one chart on the basis of following topics:-
- Group 1:- Uses of Computer
 - Group 2:- Types of Operating System
 - Group 3:- Networking, Mobile System
 - Group 4:- Types of Viruses and Anti Virus
 - Group 5:- 2G, 3G, 4G,5G Differences

PHYSICAL EDUCATION

- Q1 Write notes on the following:-
 - a) Career in book writing
 - b) Career in sports photography
 - c) Career in sports industry
 - d) Career in marketing
 - e) Career in coaching
- Q2 Make a labeled diagram on any individual game and write its rules (On chart paper).
- Q3 Prepare a chart on IPL (Indian Premier League)2024

MATHEMATICS

- Q1. Prove that $\frac{\sin 5x - 2\sin 3x + \sin x}{\cos 5x - \cos x} = \tan x$
- Q2. Prove that $\sin 4A = 4 \sin A \cos^3 A - 4 \cos A \sin^3 A$.
- Q3. Express the function $f: A \rightarrow R$. $f(x) = x^2 - 1$. where $A = \{ -4, 0, 1, 4 \}$ as a set of ordered pairs.

Q4. If $A = \{-1, 2, 3\}$ and $B = \{1, 3\}$, then determine

(i) $A \times B$ (ii) $B \times C$ (c) $B \times B$ (iv) $A \times A$

Q5. In each of the following cases, find a and b. $(2a + b, a - b) = (8, 3)$ (ii) $\{a/4, a - 2b\} = (0, 6 + b)$

Q6. If f and g are real functions defined by $f(x) = x^2 + 7$ and $g(x) = 3x + 5$, find each of the following

(i) $f(3) + g(-5)$

(ii) $f(1/2) \times g(14)$

(iii) $f(-2) + g(-1)$

(iv) $f(t) - f(-2)$

(v) $\frac{f(t) - f(5)}{t - 5}, \text{ if } t \neq 5$

APPLIED MATH

Q1. Convert 11110_2 into a decimal number system.

Q2. Convert 1001010001_2 into the decimal number system.

Q3. If $3^{(x-y)} = 27$ and $3^{(x+y)} = 243$, find the value of x and y.

Q4. If a and b are whole numbers such that $a^b = 121$, find the value of $(a - 1)^{b+1}$.

PSYCHOLOGY

Q1. Write about any of these 3 psychologists in detail and about their contribution in the field of psychology.

- Carl Roger
- Sigmund Freund
- James Watson
- Abraham Maslow
- Ivan Pavlov

Q2. **AI has the potential to revolutionize the science, practice and education of psychology.** Read a research paper on artificial intelligence and psychology and explain the given statement.

Q3. Make a poster on “**Mental Health**”.

Q4. Research about different fields of psychology and it's scope in future.