

HOLIDAY HOMEWORK
CLASS XI
SUBJECT-ENGLISH

Instructions:

1. Attempt all questions neatly & accurately
2. All questions & answers are to be done in your English Fair note book with an introductory page and proper captions.
3. For question 3 prepare any three topics out of the given.

Q.1 Read the following passage carefully and answer the questions.

The Mastermind quiz is billed as a "battle of minds". This battle is fought in two halves. In the first, each of four participants faces a barrage of questions, for two minutes, on any topic of his or her choice. In the second round, the questions are on general knowledge. There are two points for each correct answer and zero for wrong answers and passes. In the event of a tie, the person who has passed fewer questions wins.

1. Questions can be bizarre, but they are answered none the less. "It absolutely amazes you that these guys know so much. In KBC, it used to be, that this guy knows so little," says Basu after the show. Siddhartha Basu was the director of Kaun Banega Crorepati (KBC).
2. This year's Mastermind final was won by Ramanand Janardhana, a 22 year-old software engineer from Pune. Janardhana had Agatha Christie's 'Tommy and Tuppence' novels as his specialist topic. He even knew that Tommy used asofoetida to create a stink in his room.
3. There are, of course, all sorts of quizzers. The diary-toting, Manorama yearbook, wielding variety will typically prepare for a contest by 'studying'. He knows that the best questions, the ones that get the 'wah-wahs', are always repeated. He is a solid quizzier, because he knows the obvious.
4. There is the other kind, like Janardhana, who claim they do nothing extra to prepare for quizzes. They read the papers and magazines, watch TV, and become quizzers because they enjoy the test of recall.
6. It was a test the nation took when KBC fever was at its height. But long before KBC, there were quiz societies across the country, in places from Guwahati to Gandhinagar. Kolkata was the hub of the game; quizzing in India began here in 1967. Even now, the majority of quizzers are from Kolkata. Of the four 2002 Mastermind finalists, two were from that city.
7. Quizzing is big in school and college festivals. It's the 'literary' highlight of all fests. There are even professional quizzers, who, like mercenaries, play for money and the thrill of the game. They represent various organisations at different times.
8. Most quizzers grow out of active quizzing after college. Some, the really hardcore devotees of the game, keep at it. "I don't get tired of quizzing," says Pinaki Prasad Roy, a Mastermind finalist. "I get

excited.” Roy is a 46-year old finance professional from Kolkata, and has been a quizzer for three decades.

9Curiosity is the most essential quality for a quizzer. A fantastic memory and instant recall help. And for Mastermind at least, the choice of specialist subject is critical. In this year’s event, Janardhana took an unassailable lead in the specialist round itself.

Q 1.A. Answer the following questions by choosing the most appropriate option: 6

1. **The Mastermind quiz is called a ‘battle of minds’ because.....**

- (a) it is a duel of wits
- (b) the participants are the most intelligent persons
- (c) the participants face a shower of questions
- (d) the mind is on the anvil

2. **The participants in the quiz seem ‘masterminds’ because.....**

- (a) they seem to know so little
- (b) they have very polished manner
- (c) they show lot of self confidence
- (d) they seem to know so much

3. **Ramanand Janardhana won as.....**

- (a) he had mastery over the specialist topic
- (b) he had gone through the quiz columns in magazines
- (c) he had chinks in his memory/recall
- (d) he knew all the often repeated questions asked by quizmasters

4. **The studious quizzers are called ‘solid’ quizzers because.....**

- (a) they prepare expected questions
- (b) they know the obvious
- (c) they bank on general awareness
- (d) they enjoy the test of recall

5. **The quality most essential for a quizzer is.....**

- (a) love of learning
- (b) mathematical accuracy
- (c) curiosity to know
- (d) comprehensive learning

6. **The word ‘mercenaries’ in para 7 means.....**

- (a) those who seek mercy
- (b) those who work on machines
- (c) those who are lively and quick
- (d) those who fight for money

1.B. Answer the following questions in brief: 6

7. Why did Ramanand Janardhana win mastermind final?
8. Who are called solid quizzers? Why?
9. Which is the most essential quality of a quizzier?
10. How is Kolkata associated with quizzing game?
11. Find the words from the passage which are similar in meaning to these words.
 - (a) Those who fight for money (para 7)
 - (b) Enthusiasts (para 8)

Q2. Rearrange the following into meaningful sentences.

- (a) Extremely/a/grief/it/is/that matter/unkindly/animals/are/of exploited.
- (b) killed/they are/beaten/chained/and/mercilessly/trained.
- (c) their/heed/but/hears/and/pays/nobody/to/cries.
- (d) friends/auxiliaries/animals/necessary/are our/and/survival/for our
- (e) animal/matters/our vision/a world/should be/where/welfare

Q3. Prepare the following topics for ASL.

- (a) Corruption in India
- (b) Digital India
- (c) Make in India
- (d) India Of My Dreams
- (e) Indian Tourism
- (f) India : The Land of Great Personalities
- (g) Poverty in India
- (h) My Favourite Book
- (i) Impact of Smart Phones
- (j) Online Learning

SUBJECT-POLITICAL SCIENCE

ACTIVITY 1	ACTIVITY 2	ACTIVITY 3	ACTIVITY 4
Political map of india All states and uts	Collage making or crossword puzzle /flash cards on important articles of constitution of india	Project file and ppt as discussed in class Write at least 20 pages	Watch movie Dr Bhim Rao Ambedkar or we the children of india Movie review (max 200 words)

SUBJECT-SOCIOLOGY

ACTIVIY 1	ACTIVIY 2	ACTIVIY 3	ACTIVIY 4
Prepare a collage showing some western and Indian Sociologists	Prepare a table in your notebook as guided (write any five)- 1. S.No. 2. Name of Re former 3. Their pic 4. Contribution to Society 5. Remarks	Project file as discussed in class Write at least 20 pages	Watch movie Aarakshan Or Archana IAS Or Ab Dilli Dur Nahi movie review (max 200 words)

SUBJECT-ECONOMICS

ACTIVIY 1	ACTIVIY 2	ACTIVIY 3	ACTIVIY 4
Write all the key words /define the terms	Prepare crossword puzzle on chapter 1 (micro economics)	Project file as discussed in class Write at least 20 pages	Watch movie EMI : 2008 movie review (max 200 words)

SUBJECT-MUSIC

Project File:

1. _Introduction of Raag Bhairav
2. Notation of Drut Khayal of Raag Bhairav
3. Introduction of TeenTaal
4. Leykari of TeenTaal (Thah(Ekgun),Dogun,Tigun,Chaugun).

SUBJECT-PAINTING

- Best out of waste.
- Flower pots from soft drink bottels.

SUBJECT- HOME SCIENCE

HOME SCIENCE

Practical Work:

1. Record your own diet for a day and evaluate this meal in terms of inclusion of the five food groups.
2. To know the various emotions one frequently experiences in a day and observe the situations in which they arise.
Learn all the work done in the class.

HOME SCIENCE

Project work:

1. Market survey of any five processed food, their packaging and label information.
2. Write the merits and demerits of all the packaging material used.

Note: Learn all the work done in the class.

SUBJECT-ENTREPRENEURSHIP

- Prepare any four case studies on the budding Entrepreneur, identifying their product, industry and challenges.

SUBJECT- MAIN MATHS

1. Draw the Venn diagram of $A' \cap B'$ and $A' \cup B'$.
2. If $a \in N$ such that $aN = \{ax : x \in N\}$. Describe the set $3N \cap 7N$.
3. Find the number of proper subset of a set containing 3 elements.
4. Find the number of subsets containing 6 elements.
5. Two finite sets A and B have m and k elements respectively. If the ration of the number of subsets of A and B is 64: 1 and $n(A) + n(B) = 12$, then find the value of m and k.
6. Let $U = \{1, 2, 3, 4, 5, 6, 7, 8\}$, $A = \{2, 4, 6, 7\}$ and $B = \{1, 3, 4, 6, 8\}$. Prove both De Morgan's Law.
7. Write the set $R = \{(x - 2, x^2) : x \text{ is a prime number less than } 10\}$ in Roster form.
8. Find the number of relations from A to B if $n(A) = 2$ and $n(B) = 3$.
9. If $R = \{(x, y) : x \text{ and } y \text{ are whole numbers, } x^2 + y^2 = 169\}$, find domain and range of R.
10. Find domain and range of the function $(x) = \sqrt{x^2 - 25}$.
11. Find the domain and range of a function $f(x) = \frac{x-1}{|x-1|}$.
12. If $f(x) = x^3 - \frac{1}{x^3}$, show that $f(x) + f\left(\frac{1}{x}\right) = 0$.

\bar{x}

13. Find the domain and range of a function $f(x) = \frac{x-2}{3-x}$.

14. Find the domain and range of a function $f(x) = \sqrt{x-1} + \sqrt{3-x}$.
15. Draw the graph of $f(x) = |x-1|$.

Activity 1:- To verify distributive law for three given non empty sets A, B and C, that is,

$$A \cup (B \cap C) = (A \cup B) \cap (A \cup C) \text{ by using Venn Diagram.}$$

Activity 2:- To distinguish between a relation and a function.

Note: Write all the trigonometric values and formulas in your fair register.

SUBJECT- APPLIED MATHS

1. Draw the Venn diagram of $A' \cap B'$ and $A' \cup B'$.
2. If $a \in N$ such that $aN = \{ax : x \in N\}$. Describe the set $3N \cap 7N$.
3. Find the number of proper subset of a set containing 3 elements.
4. Find the number of subsets containing 6 elements.
5. Two finite sets A and B have m and k elements respectively. If the ration of the number of subsets of A and B is 64: 1 and $n(A) + n(B) = 12$, then find the value of m and k.
6. Let $U = \{1, 2, 3, 4, 5, 6, 7, 8\}$, $A = \{2, 4, 6, 7\}$ and $B = \{1, 3, 4, 6, 8\}$. Prove both De Morgan's Law.
7. Write the set $R = \{(x-2, x^2) : x \text{ is a prime number less than } 10\}$ in Roster form.
8. Find the number of relations from A to B if $n(A) = 2$ and $n(B) = 3$.
9. If $R = \{(x, y) : x \text{ and } y \text{ are whole numbers, } x^2 + y^2 = 169\}$, find domain and range of R.
10. Find the sum of all two digit numbers which when divided by 4 leaves remainder 1.
11. The sum of the three terms of A.P. is 24 and their product is 440. Find the numbers.
12. Find three terms of G.P. whose product is 216 and the sum of their products

in pairs is 156.13. Sum of three numbers of G. P. is $\frac{13}{12}$ and their product is -1 . Find the numbers.

14. The common ratio is $-\frac{4}{5}$ and the sum of infinity is $\frac{80}{9}$. Find the first term.

15. The A.M. and G.M. between two positive numbers are 10 and 8 respectively. Find the numbers.

Note: Write all the trigonometric values and formulas in your fair register.