

THE RAJASTHAN INTERNATIONAL SCHOOL, KOTPUTLI
CLASS: XI (COMMERCE)
SUB: ENGLISH
(Holiday Homework 2017-18)

Q1. Attempt worksheet 1 to 5 in module 1 reading

Q2. Complete the BBC worksheets on

Lesson 1 - The portrait of a lady .

Lesson 2 - We are not afraid to die .

Poem - A photograph

Lesson -1 snap shot - summer of white house.

Q3. Write articles on the following topic in 150 -200 words

(a) Brand consciousness and mindless consumerism .

(b) Tourism boom in our country .

(c) Agonies of old age .

(d) What is your dream about India ?

(e) My vision on sensible, sensitive and optimistic young Indian

THE RAJASTHAN INTERNATIONAL SCHOOL, KOTPUTLI
CLASS: XI (COMMERCE)
SUB: ACCOUNTANCY
(Holiday Homework 2017-18)

1. Write 50 basic Accounting terms of chapter 2- Basic Accountancy Terms.

2. Do 20 Practical Questions of Chapter Accounting Equations.

THE RAJASTHAN INTERNATIONAL SCHOOL, KOTPUTLI
CLASS: XI (COMMERCE)
SUB: ECONOMICS
(Holiday Homework 2017-18)

1) Explain the following terms:-

(a) Economy

(b) Economics

(c) Consumptions

(d) Distributions

(e) Production

(f) Economic agent.

(g) Economic activity.

(h) Economic Problem.

(i) Scarcity.

(j) Resources.

- 2) Explain agriculture sector on the eve of independence.
- 3) Explain industrial sector on the eve of independence.
- 4) Explain demographic profile on the eve of independence.
- 5) Explain infrastructure on the eve of independence.
- 6) Explain positive points of the british government.
- 7) Explain the term economic planning and objectives of economics planning .
- 8) Features of economic planning .
- 9) Achievements of economic planning pursued in 1951.
- 10) Failure of economic planning.
- 11) Problems of indian agriculture.
- 12) Features of indian agriculture.
- 13) Importance of indian agriculture.
- 14) Explain agrarian reforms:-
 - (a) Technical reforms
 - (b) Institutional reforms
 - (c) General reforms
- 15) Green revolution and its features.
- 16) Limitations of green revolutions.

- 17) Explain poverty , causes , and effect of poverty in indian economy.
- 18) Explain unemployment , causes and effects , suggestions to eliminate.
- 19) Explain of population , its causes and effects in indian economy.
- 20) Explain the term inflation , its types , causes and effects.

THE RAJASTHAN INTERNATIONAL SCHOOL, KOTPUTLI

CLASS: XI (COMMERCE) SUB: BUSINESS STUDIES (Holiday Homework 2017-18)

- Q1. What is economic activities? Mention any five examples.
- Q2. Explain the term business, profession and unemployment. (with proper example)
- Q3. Explain difference among business profession and unemployment.
- Q4. Explain commerce and importance of commerce.
- Q5. Explain characteristics and nature of business.
- Q6. Objectives of Business:
 - a) Economic objectives
 - b) Social objectives
 - c) Human or Individual objectives
- Q7. Explain industry. mention all types of Industry.
- Q8. Explain Auxiliaries trade.
- Q9. Explain business risk, nature, causes and types of business risk.
- Q10. Explain sole proprietorship. Explain its feature, merits and demerits.
- Q11. Explain Hindu Undivided Family. Explain features of HUF.
- Q12. Explain Partnership. Features of partnership , demerits and merits.
- Q13. Explain types of Partnership Firm and Partners.
- Q14. Joint Stock Company. Features of Joint Stock Company. Explain merits and demerits of Joint stock company.

Q 7 Write the following in the set builder form:

$$\left\{ \frac{3}{7}, \frac{4}{8}, \frac{5}{9}, \frac{6}{10} \right\}$$

Q 8 Write the following in the set builder form:

$$\{7, 14, 21, 28 \dots\dots\dots\}$$

Q 9 If $A = \{7, 8, 9\}$, then write all sub set of this set.

Q 10 Write in the set builder form: $B = \left\{ 1, \frac{1}{4}, \frac{1}{9}, \frac{1}{16}, \frac{1}{25}, \dots\dots\dots \right\}$

Q 11 If $A = \{1, 2, 3\}$, then write the Power set of set A.

Q 12 Write in the set builder form $E = \left\{ \frac{1}{2}, \frac{2}{5}, \frac{3}{10}, \frac{5}{26}, \frac{6}{37}, \frac{7}{50}, \frac{8}{65} \right\}$

Q 13 If $A = \{3, 6, 12, 15, 18, 21\}$ $B = \{4, 8, 12, 16, 20\}$, then find $A - B$ and $B - A$.

Q14 If $A = \{4, 5, 6, 7, 8\}$, $B = \{5, 6, 8, 9\}$, then find $A \cap B$.

Q15 If $A = \{3, 6, 7, 9\}$, $B = \{8, 9, 10, 22\}$, then find $A \cap B$.

Q 16 If $A = \{1, 2, 3\}$, $B = \{4, 5, 6\}$ and $C = \{7, 8, 9\}$, verify that :

$$A \cap (B \cap C) = (A \cap B) \cap (A \cap C).$$

Q 17 If $A = \{1, 2, 4, 5\}$, $B = \{2, 3, 5, 6\}$ $C = \{4, 5, 6, 7\}$, then verify:

$$A \cap (B \cap C) = (A \cap B) \cap (A \cap C).$$

Q18 If $U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$, $A = \{3, 4, 5\}$ $B = \{2, 3, 9, 10\}$, then

Find A^c and B^c .

Q19 If $U = \{a, b, c, d, e, f, g\}$, $A = \{a, b, c\}$, $B = \{d, e\}$, then find $(A \cap B)^c$.

Q 20 If $U = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$, $A = \{2, 3, 4\}$, $B = \{2, 3\}$, then find $(A - B)^c$

Q 21 Let A and B be two sets containing 3 and 6 elements respectively. Find the

maximum and minimum number of element in A \cap B.

Q 21 Out of 20 members in a family, 11 like to take tea and 14 like coffee. Assume

that each one likes at least one of the two drinks. How many like:

- (i) both tea and coffee
- (ii) only tea and not coffee
- (iii) only coffee and not tea

Q 22 There are 20 student in a chemistry class and 30 students in Physics class. Find the number of students which are either in Physics or Chemistry class if the two classes meet at different hours and ten students are rolled in both the subjects.

Q 23 In a office, out of 3000 employees, the manager classified his employees on the basis of sincerity, experience and productive. Out of these 550 employees are sincere only, 320 employees are experienced only and 350 employees are productive only. 420 employees are both sincere and experienced, 450 employees are both experienced and productive and 600 employees are both sincere and productive. Also, 400 employees are sincere, experienced and productive. Find the number of employees who are either sincere or experienced or productive. What are the basic qualities required in an employee for the progress of an organization.

Q24 In a group of 70 peoples, 37 like apple, 52 likes orange and each person like at least one of the two fruits. How many like both apple and orange?

Q25 In a class of 50 students, 35 students study mathematics, 25 study both mathematics and Biology and all the students study at least one of two subjects. How many students study Biology? How many study Biology not Mathematics?

Q 26 If $A = \{6, 7\}$ and $B = \{7, 8, 9\}$, Obtain $A \times B$.

Q 27 If $A = \{1, 4, 9, 16, 25\}$, $B = \{1, 2, 3, 4, 5, 6\}$. Define a relation R: $A \rightarrow B$

$R = \{(1, 1), (4, 2), (9, 3), (16, 4), (25, 5)\}$. Write Domain, Range and Co-domain.

Q 28 If $\frac{x}{5} = 5, y = \frac{4}{5} = \frac{5}{3}, \frac{1}{5}$

Q 29 If $A = \{-2, 2\}$, find $A \times A \times A$

Q 30 If $A = \{1, 2, 3\}$ and $B = \{3, 5\}$, How many subsets will $A \times B$ have?

Q 31 The Cartesian product $A \times A$ has 9 elements among which are found $\{2, -1\}$ and $\{-1, 3\}$. Find the set A and remaining elements of $A \times A$.

Q 32 If $(x + 1, y - 2) = (3, 1)$, find the values of x and y .

Q 33 Find the domain and range of $\sqrt{49 - x^2}$.

Q 34 If $f(x) = 4x^2 - 5x - 1$, find $f(-2)$ and $f(4)$.

Q 35 If $A = \{x: x \in W, x < 2\}$, $B = \{x: x \in N, 1 < x < 5\}$, $C = \{3, 5\}$, find $A \times (B \cap C)$

Q 36 Given $A = \{1, 2, 3, 4, 5\}$, $S = \{(x, y) \in A \times A, x + y = 5\}$, Find the ordered pair which satisfy the condition $x + y = 5$

Q 36 Find the domain range of the relation R given by:

$$R = \{(x, y): y = x + \frac{6}{x}; \text{ where } x, y \in N \text{ and } x < 6\}$$

Q 37 If $R = \{(x, y): x \text{ and } y \text{ are integers and } x^2 + y^2 = 64\}$ is a relation. Then find R .

Q 38 If f and g are real functions defined by $f(x) = x^2 + 7$ and $g(x) = 3x + 5$, find the following:

(a) $f(3) + g(-5)$ (b) $f\left(\frac{1}{2}\right) \times g(14)$

Q 39 If A and B be two sets such that $n(A) = 5$ and $n(B) = 2$. if $(a_1, 2), (a_2, 3), (a_3, 2), (a_4, 3), (a_5, 2)$ are in $A \times B$ and $a_1, a_2, a_3, a_4,$ and a_5 are distinct, find A and B .

Q 40 Let R be the relation on the set of natural numbers defined by $a + 3b = 12$. Find

(i) R (ii) Domain of R (iii) range of R

Q 41 Let $A = \{1, 2, 3, 4, 5, 6, 7, 8\}$ and R be the relation on A defined by :

$R = \{(x, y) : x \in A, y \in A \text{ and } x + 2y = 10\}$. Find domain and ranges of R .

Q 42 Find the domain of $f(x) = \frac{1}{(2x - 3)(x - 1)}$

Q 43 Find the domain of $f(x) = \frac{x^2 - 5x + 7}{x^2 - 3x + 2}$

Q 44 $f = \{(2, 2), (3, 4), (0, -2), (-2, -6)\}$ be a function from Z to Z defined by $f(x) = ax + b$, for some integers a, b. Determine a, b.

Q 45 If $f(x) = x + 4$ find $\frac{f(4) - f(5)}{f(10) - f(9)}$

Q 46 If $f(x) = x^3 - \frac{1}{x^3}$, then show that $f(x) + f\left(\frac{1}{x}\right) = 0$

Q 47 If $A = \{1, 2, 3\}$, $B = \{2, 4\}$, $C = \{1, 4, 6\}$ and $D = \{5, 6, 7, 8\}$

Prove that $(A - B) \times C = (A \times C) - (B \times C)$

Q 48 Let $A = \{1, 2, 3, 4, \dots, 14, 15\}$. Defined a Relation R from A to A by

$R = \{(x, y) : x - 5y = 0 ; x, y \in A\}$. write its domain, co-domain and range.

Q 49 Write the solution of $x^2 - x - 6 = 0$ in roster form.

Q 50 If A and B are two sets such that $n(A) = 175$, $n(B) = 225$ and $n(A \cap B) = 280$. Find $n(A - B)$ and $n(B - A)$.

THE RAJASTHAN INTERNATIONAL SCHOOL, KOTPUTLI
CLASS: XI
SUB: PHYSICAL EDUCATION
(Holiday Homework 2017-18)

❖ Make a practical file consisting following in details

1. One game out of Cricket, Volleyball, basket ball & Football in detail..
 2. Yoga (History, types of Asanaas, Pranayam, Shudhi Kriya)
 3. Benefits of Swiss ball.
- ❖ Do the following exercise in your homework notebook:
 1. Solve back questions of Chapter 1 to 3.
 - ❖ Peer Group work(Maximum 05 members)
 1. Prepare a First Aid Box containing all the basic requirement of a medical box.

THE RAJASTHAN INTERNATIONAL SCHOOL, KOTPUTLI
CLASS: XI
SUB: INFORMATICS PRACTICES
(Holiday Homework 2017-18)

Make Power point presentation

- 1). Explain how government can reach to common people through Digital India concept(G2G, G2B, B2B etc)
- 2). Explain why E-learning is an essential need of today's student.
- 3). Benefits and drawbacks of using Facebook and WhatsApp/ social networking websites/ apps?

Subject- PAINTING

CLASS: XI

Make a Creative Painting (Paper size 15 x 20 inch) Students can use Water colour, Poster colour, Crayon, Pastel Colour & Mix medium etc. Make 30 sketches based on human & nature