

INTERNATIONAL INDIAN SCHOOL DAMMAM

G.S.S.S

ACCOUNTS HOLIDAY ASSIGNMENT 2019- CLASS XI

INSTRUCTIONS: Exercise questions are from Double Entry text book by T.S GREWAL 2019 edition.

ACCOUNTING EQUATION: Exercise: q.no 3, q.no 4, q.no 8, q.no 9, q.no 12, q.no 13, q.no 14.
(page 5.18 to page 5.20)

JOURNAL ENTRIES: Exercise: q.no 6, q.no 7, q.no 8, q.no 9, q.no 11 . (page 8.70 to page 8.72)

LEDGER POSTING: Exercise: q.no 1, q.no 2, q.no 4. (page9.25 to 9.26)

CASH BOOK: Exercise: q.no 1, q.no 6, q.no 7, q.no 8, q.no 13 . (page 10.40 to 10.44)

HOLIDAY ASSIGNMENT - BIOTECHNOLOGY

CLASS : XII GSSS (2019-20)

1. Write the experiment no.7 from lab manual- study of various stages of mitosis from page 22-25. (omit page 26-28).
2. Write the experiment no.13 from lab manual-estimation of protein by biuret method from page 54-58 (both tables should be in the left side).

INTERNATIONAL INDIAN SCHOOL DAMMAM - GSSS

HOLIDAY ASSIGNMENT – ECONOMICS 2019

CLASS XI

TOPIC

CONSUMER AWARENESS (ON ANY 3 PRODUCTS)

SPIRALBINDING

20 TO 25 PAGES

GEOGRAPHY HOLIDAY ASSIGNMENT 2019-2020 CLASS XI GSSS

Power point presentations are allotted to individual students based on various topics and to be

Submitted after the school reopens.

SUMMER HOLIDAY ASSIGNMENT(2019-20)

Subject : Mathematics

Class : XI GSSS

SETS

1. If $A = \{1, 2, 3\}$, find Power set of A.
2. If A and B are two sets such that $n(A) = 20$, $n(A \cup B) = 42$ and $n(A \cap B) = 4$, find $n(A)$ and $n(A - B)$.
3. If R is the set of real numbers and Q is the set of rational numbers, then what is $R-Q$?
4. If A and B are two sets then represent $(A - B)'$ using venn diagram.
5. If $n(U) = 700$, $n(A) = 200$, $n(B) = 300$, $n(A \cap B) = 100$ find $n(A' \cap B')$.
6. If A and B are two sets such that $n(A-B) = 20 + x$, $n(B-A) = 3x$ and $n(A \cap B) = x+1$. Draw a Venn diagram to illustrate their information. If $n(A) = n(B)$, find (i) the value of x.
(ii) $A \cup B$.
7. If $A = \{x: x \in \mathbb{N}, 1 \leq x \leq 6\}$, $B = \{x: x \in \mathbb{N}, 3 \leq x \leq 8\}$, $C = \{x: x \in \mathbb{N}, 5 \leq x \leq 10\}$ then verify that (i) $A - (B \cap C) = (A - B) \cup (A - C)$ (ii) $A \cap (B - C) = (A \cap B) - B \cap C$
8. If $U = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$, $A = \{1, 2, 3, 4\}$, $B = \{2, 4, 6, 8\}$, verify that
(i) $(A \cup B)' = A' \cap B'$ (ii) $(A' \cup B) = (A \cap B)'$
9. In a survey of 100 students, the number of students studying the various languages were found to be : English only 18 , English but not Hindi 23, English and Sanskrit 8, English 26, Sanskrit 48, Sanskrit and Hindi 8, no language 24. Find (i) How many students were studying Hindi ? (ii) How many students were studying English and Hindi?
10. A survey of 500 television viewers produced the following information ; 285 watch foot ball, 195 watch hockey, 115 watch basketball, 45 watch football and basetball, 70 watch football and hockey, 50 watch hockey and basketball, 50 do not watch any of the three games. How many watch all the three games? How many watch exactly one of the three games.
11. Let $R = \{(x, y) : x, y \in \mathbb{N}, 2x + y = 9\}$. Write R in roster form. Depict the relation by an arrow diagram. Hence find its domain and range. Is R a function? Justify

TRIGONOMETRY

Prove the following

12. $\tan 13A - \tan 9A - \tan 4A = \tan 13A \cdot \tan 9A \cdot \tan 4A$

13. $\frac{\sin 5x - 2 \sin 3x + \sin x}{\cos 5x - \cos x} = \frac{1}{\cot x}$

14. $\sin^2 A + \sin^2\left(A + \frac{\pi}{2}\right) + \sin^2\left(A - \frac{\pi}{2}\right) = \frac{3}{2}$

15. $\tan 75^\circ + \cot 75^\circ = 4$

16. $\frac{\cos 11^\circ + \sin 11^\circ}{\cos 11^\circ - \sin 11^\circ} = \tan 5$

17. $2\cos\theta = \sqrt{2 + \sqrt{2(1 + \cos 4\theta)}}$

18. $\cos 5A = 8\cos^5 A - 20\cos^3 A + 5\cos A$

19. $\sin 5A = 5\sin A - 20\sin^3 A + 16\sin^5 A$

20. If $\tan \theta = \frac{a}{b}$, Prove that $b \cos 2\theta + a \sin 2\theta = b$

21. Find the general solutions of

(i) $\tan^2 x + (1 - \sqrt{3}) \tan x - \sqrt{3} = 0$

(ii) $2 \cos^2 x = 3(1 - \sin x)$

(iii) $\cos \theta + \cos 3\theta - 2 \cos 2\theta = 0$

(iv) $\sin 2\theta + \sin 4\theta + \sin 6\theta = 0$

COMPLEX NUMBERS

22. If $\frac{a+ib}{c+id} = x+iy$, then prove that $x^2 + y^2 = \frac{a^2 + b^2}{c^2 + d^2}$.

23. Find the values of x and y if $\frac{(1-i)x - 2i}{3+i} + \frac{(2-3i)y + i}{3-i} = i$

24. Convert in to polar form. (a) $\frac{-16}{1+i\sqrt{3}}$. (b) $z = 4\sqrt{3} + 4i$

25. Express $\frac{2+6\sqrt{3}i}{5+\sqrt{3}i}$ in polar form.

26. Simplify $\left(\frac{1}{2} + \frac{3i}{2}\right) - (1-i)^2 + i^{93} - 6(5-\sqrt{-4})$

27. Express $\frac{2-\sqrt{-25}}{1-\sqrt{-16}}$ in the form of $a+ib$

28. Find $\sqrt{-5+12i}$

LINEAR INEQUALITIES

29. Solve the following system of inequalities.

a). $x + y \geq 1, 7x + 9y \leq 63, x \leq 6, x \geq 0, y \geq 0$

b) $3x + 2y \geq 24, 3x + y \leq 15, x \geq 4$

PRINCIPLE OF MATHEMATICAL INDUCTION

30. Prove by mathematical induction that for $n \in N$:

$$\frac{1}{1.3} + \frac{1}{3.5} + \frac{1}{5.7} + \dots + \frac{1}{(2n-1)(2n+1)} = \frac{n}{2n+1}$$

31.. Prove that for $n \in N$, $10^n + 3.4^{n+2} + 5$ is divisible by 9.

32. P.T $1.3 + 3.5 + 5.7 + \dots + (2n-1)(2n+1) = \frac{4(4n^2 + 6n - 1)}{3}, n \in N$

SUMMER HOLIDAY ASSIGNMENT – BIOLOGY

2019-20

CLASS : XI GSSS

1. PROJECT FOR THE FOLLOWING TOPICS :
 - a) Structural Organisation of Cockroach
 - b) Animal Tissues : (Epithelial Tissue , Muscular Tissue , Connective Tissue and Neural Tissue)
 - c)Mineral Nutrition
2. Diagrams of : (a) Human Eye (b) Human Brain (c) Human Heart
(d) Human Kidney
(e)Aestivation and Placentation in Plants
3. Complete the Biology lab record according to the instructions given in the respective classes.

Class XI - Business Studies

Summer Holiday Assignment – July'19

Identify the following in the departmental store you visited & prepare a detailed project report

- a) Different departments and their layout
- b) Nature of products offered for sale
- c) Display of fresh arrivals
- d) Promotional campaigns
- e) Space and advertisements
- f) Assistance by sales personnel
- g) Billing counter at the store – cash, credit card / debit card, swipe facility
- h) Added attractions at billing counter
- i) Additional facilities offered to customers
- j) Any other relevant aspect

Presentation and submission of the project report

Following essentials are required to be fulfilled for its preparation and submission.

1. The total project will be in a file format, consisting of the findings.
2. The project will be handwritten.
3. The project will be presented in a neat folder.(20-25 pages)
4. The project report will be developed in the following sequence;
 - Cover page should project the title, student information, school and year.
 - List of contents.
 - Acknowledgements and preface (Acknowledging the institution, the newspapers read, TV channels viewed, places visited and persons who have helped)
 - Introduction
 - Topic with suitable heading.
 - Planning and activities done during the project, if any.
 - Observations and findings while conducting the project.
 - Conclusions (summarized suggestions or findings, future scope of study)
 - Appendix, if needed.

The project to be submitted on or before 11th Sep'19

SUMMER HOLIDAY ASSIGNMENT (2019-20)- CHEMISTRY

CLASS : XI GSSS

Prepare a booklet based on the content of the chapters Environmental chemistry and Hydrogen.

INTERNATIONAL INDIAN SCHOOL DAMMAM

GIRLS SENIOR SECONDARY SECTION

HOLIDAY ASSIGNMENT 2019

CLASS XI

MARKETING

SURVEY OF 2 CONSUMER GOODS BY STUDENTS ON A PREPARED QUESTIONNAIRE.

INTERNATIONAL INDIAN SCHOOL DAMMAM

GSSS

Class XI Holiday Assignment 2019- 20

PHYSICS

1. Write an assignment on various forms of energy and conservation of energy .

INTERNATIONAL INDIAN SCHOOL, DAMMAM (2019-20)

SUBJECT: PSYCHOLOGY

CLASS XI GSSS HOLIDAY ASSIGNMENT

The following are given as a holiday assignment to you. Both 'A' and 'B' are compulsory.

Use A4 size sheets for your assignments.

A) After reading the various Branches of Psychology, which branch inspired you the most? Prepare a report on the field selected.

Focus on the following while preparing the report:

- Give a small introduction of the branch selected
- Why did this branch inspire you?
- Scope of this branch
- Job opportunities
- Educational qualification needed.
- Extra skills required.

B) Prepare a Power Point Presentation on the following and attach a video also on the related topics:

- Pavlov's Conditioning/Classical Conditioning. (Page 109)
- Instrumental Conditioning. (Page 111)
- Observational Learning. (Page 116)
- Learning Disabilities. (Page 126)

INTERNATIONAL INDIAN SCHOOL DAMMAM

GSSS

Class XI Holiday Assignment 2019- 20

ENGLISH

I. . Read the lesson **“Discovering Tut: The saga continues”** from the reader **Hornbill** and answer the given questions.

II. Read the lesson **“The Ghat of the Only World”** from the supplementary reader **Snapshots** and answer the given questions.

(Prepare the assignment in the form of an A4 size booklet.)

INTERNATIONAL INDIAN SCHOOL DAMMAM

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Class XI Holiday Assignment 2019- 20

POLITICAL SCIENCE

I . Prepare a powerpoint presentation PPT OR a booklet onr the following topics.

1. List the Powers of Rajya sabha and pictures of present MPs representing your own state after Lok Sabha elections 2019.
2. Pictures of present cabinet ministers with their portfolios after Loksabha elections 2019.
3. Powers of LokSabha
4. Conflicts between Judiciary and Parliament over Right to Property .
5. Latest 5 Amendments in Indian constitution.

Your assignment should be informative and creative.

HOLIDAY ASSIGNMENT – 2019 – 20

COMPUTER SCIENCE

CLASS XI GSSS

Write the question and answers for the following chapters :

Chapter 21 : Cyber Safety

Chapter 22 : Online Access and Computer Security

Handwritten copies to be submitted by September 30.

INTERNATIONAL INDIAN SCHOOL DAMMAM - GSSS
SUMMER HOLIDAY ASSIGNMENT(2019-20) – HOMESCIENCE XI

Write Practical work in the Record Book from the following pages in the Home Science Text Book.

(Page Number – 364, 366, 370, 372, 386)