

Psychology Class XI (2020-2021)

Holidays Homework

Instructions:

- 1. Pending class assignments to be completed.*
- 2. Syllabus covered to be revised.*
- 3. Introduction of the Practical to be written in fair.*
- 4. submission Date: just after vacation.*

Project work

The students are required to undertake one compulsory project during this academic year as per CBSE guidelines. The project would involve the use of different methods of enquiry and related skills.

The objective of this project is to familiarize the students with:

- The Goals of psychological enquiry.
- Steps involved in a Conducting Scientific research.
- Some important methods: Observation, Experimental, Co -relational study, Interview, Case study, Psychological tools: Tests and Questionnaires
- Analysis of data and its representation (such as Pie-charts, bar-diagram, cumulative frequencies).
- Learning Ethical issues in the study of psychological processes.

Students can take up any of the topics mentioned below:

1. Stigma around mental Health.
2. Stress during the times of Corona and it's management.
3. Impact of Bullying on the mental Health of victim.
4. Exploring Gender roles: Understanding among Individuals
5. Understanding Learning Disabilities.

*** Topic selected to be informed to the concerned subject Teacher for approval.**

General instructions to be followed:

1. The students can work in a group of 4.
2. Separate files to be submitted by all members.
3. Questionnaire method is compulsory to use.
4. Both Open ended and close ended questions to be included .
5. Questionnaire should consist of Minimum 15 questions .
6. Transcripts of the Interview ,if taken (face to face or telephonic) are compulsory.
7. Sample for data collection : Minimum 8 Individuals.
8. Gender Ratio to be strictly maintained.

The format of the project is as follows:

Page 1: Psychology Practical File

(with School Name, Full name, class and section and roll no.)

Page 2: Title of the Topic chosen.

Page 3: Acknowledgment

Page 4: Index

CHAPTER 1

- Introduction
 1. steps in Conducting scientific research
 2. Introduction to the chosen topic and
 3. Related sub topics
 4. Recent research in the concerned area .

CHAPTER 2

- Methodology
 1. Sample: Description of the sample and Preliminaries.
 2. Tools Used:
 - 2.1. Introduction to Interview , advantages and disadvantages of interview method.
 - 2.2. Introduction to questionnaire, advantages and disadvantages of questionnaire method.

CHAPTER 3

- Results and data Analysis (using Graphical methods)

CHAPTER 4

- Discussion and conclusion.

References

Appendix

- Transcripts of the Interview
- Filled Questionnaires.

***Note :**

- Draft of the Questionnaire and discussion to be approved by the concerned subject Teacher.

Class XI

ASSIGNMENT

Chapter 1 - What is Psychology?

Instructions:

- **The Assignment consist of 3 parts, Part A,B, C**
- **Part A has 10 questions of 1 mark each.**
- **Part B consist of 3 questions, 2marks each, word limit 30-40 words.**
- **Part C consist of 3 questions, 4 marks each, word limit 70-100 words.**
- **All Questions are compulsory.**
- **Use relevant examples to support your answers.**
- **To be done in the fair Psychology Register.**

Part A: Learning checks(1 mark each)

1. The first psychological laboratory was established by _____.
2. The school of Structuralism was established by _____.
3. The behaviourist school of psychology was founded by_____.
4. The term _____ describes the key idea of psychoanalysis.
5. Define cognition.
6. What is introspective method?
7. What is Psychology?
8. _____ developed Psychoanalysis.
9. The word 'psychology' is derived from the Greek word _____ meaning 'mind' and ' _____ meaning 'study of'.
- 10.The humanistic approach to psychology was developed mainly by _____.

Part B (2 Marks)

11. Is there any difference between mind and brain? comment.
12. Describe humanistic perspective on human behaviour?
13. How is Psychology used in everyday life? Discuss.

Part C(4 marks each)

14. Give a brief account of development of psychology in India.
15. Define Psychology and also explain its scientific nature.
16. Human behaviour is a function of the attributes of the person and the environment. Comment.

HOLIDAY – HOMEWORK

ENGLISH – CLASS – XI – 2020- 2021

1. Write an article on 'Covid – 19, the Pandemic', what it is, signs & Symptoms, how it spreads and ways to stay safe.
2. Click to these links given below- (Related to chapter no 3 – Discovering Tut: The Saga Continues.



- a) <https://youtu.be/6md5qDSXwXM> and watch The Mystery of Tutankhamun's Gold: Egypt Detectives(Ancient Egypt Documentary)
- b) <https://youtu.be/V7HtbsrRtl8> (History Documentary BBC - King Tut's Life and Death -Ancient)

Collect all the information about Tutankhamun's life and the mystery behind his death.

3. Complete all the assignments in your fair notebook.

English Assignment - 1

THE PORTRAIT OF A LADY

1. Answer any 6 of the following questions in about 20 – 30 words each.
2. What stories of the grandmother did the author treat as ' Fables' of the Prophets? Why?
3. Explain 'As for my grandmother being young and pretty, the thought was almost revolting.'
4. The grandmother had a divine beauty. How does the author bring it out?
5. Why did the grandmother accompany the narrator to his school? What did she do there?
6. What was the turning point in their friendship?
7. What were the happiest moments of the day for the grandmother?
8. Why didn't the sparrows take any notice of the bread crumbs thrown to them? How would you explain their strange behaviour at the death of the grandmother?
9. What does Khushwant Singh describe in the Portrait of a Lady?

10. What is the significance of sparrows in grandmother's life?

2. Answer any 6 of the following questions in about 100 - 120 words.

- 1. Mention the three phases of the author's relationship with his grandmother before he left the country to study abroad.**
- 2. Mention three reasons why the author's grandmother was disturbed when he started going to the city school.**
3. What are the different ways in which we come to know that the author's grandmother was a religious person?
4. Describe the changing relationship between the author and his grandmother. Did their feelings for each other change?
5. How can you say that the author's grandmother was a person strong in character? Give instances to prove your answer.
6. Describe the friendship between Khushwant Singh and his grandmother.
7. Describe how the common bond of friendship was broken when the narrator's parents called them in the city.
8. Draw a contrast of the life the narrator's grandmother spent in the village with the kind of life she led in the city.

ASSIGNMENT NO' – 2 & 3

A PHOTOGRAPH – SHIRLEY TOULSON

1. Read the stanzas given below and then answer the following questions briefly:

**i) The cardboard shows me how it was
When the two girl cousins went paddling,
Each one holding one of my mother's hands,
And she the big girl—some twelve years or so.**

- a) What does the word cardboard suggest?
- b) Who is the big girl here?
- c) Why were the two cousins holding on the poetess' mother's hand?

**ii) All three stood still to smile through their hair
At the uncle with the camera. A sweet face,
My mother's, that was before I was born.
And the sea, which appears to have changed less,
Washed their terribly transient feet.**

- a) When was the photograph clicked?
- b) What does the word 'transient' indicate?
- c) Explain: 'Washed their terribly transient feet'.

**iii) Some twenty — thirty — years later
She'd laugh at the snapshot.**

**“See Betty And Dolly,” she’d say, “and look how they
Dressed us for the beach.”**

- a) Name the poem and its poet.
- b) why would the poetess mother laugh at the snapshot?
- c) Who were Betty and Dolly?

iv) The sea holiday

**Was her past, mine is her laughter. Both wry
With the laboured ease of loss.
Now she’s been dead nearly as many years
As that girl lived. And of this circumstance
There is nothing to say at all.
Its silence silences.**

- a) Which sea holiday is referred here?
- b) Explain : Both wry with the laboured ease of loss.
- c) What does ‘she’s been dead’ refer to?
- d) Explain : ‘its silence silences’.

2. Answer the following question in about 20 – 30 words each.

- a. What does the word ‘cardboard’ denote in the poem? Why has this word been used?
- b. What has the camera captured?
- c. What has not changed over the years? Does this suggest something to you?
- d. The poet’s mother laughed at the snapshot. What did this laugh indicate?
- e. What is the meaning of the line “Both wry with the laboured ease of loss.”
- f. What does “this circumstance” refer to?
- g. The three stanzas depict three different phases. What are they? (**answer in about 80 – 100 words**)

THE LABURNUM TOP – TED HUGHES



Goldfinch



1. Read the extract carefully and answer the questions that follow :

**The laburnum top is silent, quite still
In the afternoon yellow September sunlight,
A few leaves yellowing, all its seeds fell.
Till the goldfinch comes, with a twitching chirrup
A suddenness, a startlement, at a branch end.**

- (i) What is the significance of the 'Laburnum top' here?
- (ii) Which season has been described in these lines?
- (iii) What commotion does the bird create? How?

**Then sleek as a lizard, and alert, and abrupt,
She enters the thickness, and a machine starts up
Of chitterings, and a tremor of wings, and trillings—
The whole tree trembles and thrills.
It is the engine of her family.**

- (i) To what is the goldfinch's movement compared? Why?
- (ii) Why does the poet use the word 'engine'?
- (iii) Which two sounds dominate in this extract?

**She stokes it fully, then flirts out to a branch-end
Showing her barred face identity mask
Then with eerie delicate whistle-chirrup whisperings
She launches away, towards the infinite
And the laburnum subsides to empty.**

- (i) Who does 'she' refer to? What does she stoke?
- (ii) What is the identification mask of the bird?
- (iii) What do you notice about the beginning and the ending of the poem?
- iv) Explain: 'Showing her barred face identity mask'.

2. Short Answer Type Questions (30 to 40 words)

- a. What gives a unique character to that particular laburnum tree?
- b. How does the poet describe the laburnum tree?
- c. How does the poet describe the goldfinch bird?
- d. What does the Goldfinch do after showing her barred face?
- e. What happens to the Laburnum tree after the goldfinch flies away?

APEX PUBLIC SCHOOL
SESSIO: 2020 – 2021
CLASS – XI
SUBJECT – Computer Science
HOLIDAYS HOMEWORK

1. Define a computer.
2. How does an ALU work?
3. Briefly explain the working of a control unit.
4. Difference between Hardware and Software.
5. What is an Operating System?
6. Explain the types of operating systems with examples.
7. “Hardware is of no use without software and software cannot be used without Hardware.” Explain.
8. Specify the measuring units of memory.
9. What are the output devices? Give some examples.
10. Difference between RAM and ROM.
11. Difference between interpreter and compiler.
12. What are the secondary storage devices? Give examples
13. What is Python?
14. Who developed python and when?
15. State some distinguishable features of Python.
16. What is the difference between interactive mode and script mode in Python.
17. Define the following Python terms: -

(a) tokens (b) keywords (c) identifiers (d) operators (e) Punctuators

18. Write a python code to enter two numbers from the user and calculates Product.
19. Write a python code to enter side of a square and calculates area and perimeter of square.
20. Find the output: -

(a) `>>> print("Hello")`

(b) `x = 3`

`y = x+2`

`x+ = y`

`print(x, y)`

Go to the following links: -

Introduction to programming language - <https://youtu.be/90SGT9qJZa4> or <https://youtu.be/rV96bx6pl4Q>

Getting started with Python programming - <https://youtu.be/yW8ztojxjZU> or <https://youtu.be/xRM1KFRn7nk>

Write your first code in python - <https://youtu.be/cdQXNAkVJwA> or https://youtu.be/_Wp_IYwwCNM

Learn programming - <https://www.youtube.com/channel/UC6BYXyC9Xo5JVEJosWmvZVQ>



HOLIDAY HOMEWORK

PHYSICS(XI S)

Q1) Investigate and prepare a file on the theory of Unification.

Q2) Make a card board scale of least count 1cm.

Q3) Give your views on the following topic.

“ Minimum use of mathematical equations in physics to understand concepts physically”.

Q4) Revise chapter two and chapter three.



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Holiday Homework

Class XI (Biology)

Q1. Solve NCERT textbook questions of chapter 16 to 18.

Q2. Prepare a project on disorder of digestive system, respiratory system and circulatory system

(one each in detail). Paste photograph of these disorders if possible.



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Holiday Homework

Class XI (Chemistry)

- Q1). Solve NCERT Text book questions of
- a) Some basic concepts of Chemistry
 - b) Structure of Atom (till Bohr's Model)
2. Solve the given assignments.
3. Prepare a project in Chemistry .(Environmental Chemistry)

HOLIDAY HOMEWORK :- CLASS XI

MATHEMATICS

Chapter -1 (SETS)

WORKSHEET :- 1

Which of the following are sets? Justify your answer.

1. The collection of all the months of a year beginning with letter M
2. The collection of difficult topics in Mathematics.

Let $A = \{1,3,5,7,9\}$. Insert the appropriate symbol \in or \notin in blank spaces: – (Question- 3,4)

3. $2 \underline{\hspace{1cm}} A$
4. Write the set $A = \{x : x \text{ is an integer, } -1 \leq x < 4\}$ in roster form
5. Write the set $B = \{3,9,27,81\}$ in set-builder form.

Which of the following are empty sets? Justify. (Question- 6,7)

6. $A = \{x : x \in \mathbb{N} \text{ and } 3 < x < 4\}$
7. $B = \{x : x \in \mathbb{N} \text{ and } x^2 = x\}$

Which of the following sets are finite or Infinite? Justify. (Question-8, 9)

8. The set of all the points on the circumference of a circle.
9. $B = \{x : x \in \mathbb{N} \text{ and } x \text{ is an even prime number}\}$
10. Are sets $A = \{-2,2\}$, $B = \{x : x \in \mathbb{Z}, x^2 - 4 = 0\}$ equal? Why?
11. Write $(-5,9]$ in set-builder form
12. Write $\{x : x \in \mathbb{R}, -3 \leq x < 7\}$ as interval.

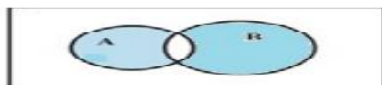
13. If $A = \{1,3,5\}$, how many elements has $P(A)$?
14. Write all the possible subsets of $A = \{5,6\}$.

If $A =$ Set of letters of the word 'DELHI' and $B =$ the set of letters the words 'DOLL' find (Question- 17,18,19)

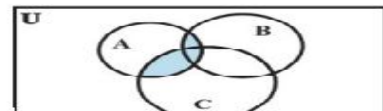
15. $A \cup B$
16. $A \cap B$
17. $A - B$
18. Are sets $A = \{1,2,3,4\}$, $B = \{x : x \in \mathbb{N} \text{ and } 5 \leq x \leq 7\}$ disjoint? Why?

What is Represented by the shaded regions in each of the following Venn-diagrams. (Question 19,20)

19.



20.



21. If $A = \{1, 3, 5, 7, 11, 13, 15, 17\}$

$D = \{2, 4, 6, 8 \dots 10\}$

and U is universal set then find $A' \cup [(A \cup B) \cap B']$

1. Find a and b if $(a - 1, b + 5) = (2, 3)$
If $A = \{1,3,5\}$, $B = \{2,3\}$, find : (Question-2, 3)
2. $A \times B$
3. $B \times A$
Let $A = \{1,2\}$, $B = \{2,3,4\}$, $C = \{4,5\}$, find (Question- 4,5)
4. $A \times (B \cap C)$
5. $A \times (B \cup C)$
6. If $P = \{1,3\}$, $Q = \{2,3,5\}$, find the number of relations from P to Q
7. If $R = \{(x,y): x,y \in Z, x^2 + y^2 = 64\}$, then,
Write R in roster form
Which of the following relations are functions? Give reason.
(Questions 8 to 10)
8. $R = \{(1,1), (2,2), (3,3), (4,4), (4,5)\}$
9. $R = \{(2,1), (2,2), (2,3), (2,4)\}$
10. $R = \{(1,2), (2,5), (3,8), (4,10), (5,12), (6,12)\}$
11. If A and B are finite sets such that $n(A) = 5$ and $n(B) = 7$, then find the number of functions from A to B .
12. If $f(x) = x^2 - 3x + 1$ find $x \in R$ such that $f(2x) = f(x)$
Let f and g be two real valued functions, defined by, $f(x) = x$, $g(x) = |x|$.
Find: (Question 13 to 16)
13. $f + g$
14. $f - g$
15. fg
16. $\frac{f}{g}$
17. If $f(x) = x^3$, find the value of,
$$\frac{f(5) - f(1)}{5 - 1}$$
18. Find the domain of the real function,
 $f(x) = \sqrt{x^2 - 4}$
19. Find the domain of the function, $f(x) = \frac{x^2 + 2x + 3}{x^2 - 5x + 6}$
Find the range of the following functions.
20. $f(x) = \frac{1}{4 - x^2}$

Activity 1 :- This lesson is designed to introduce students to the idea of a set and what it means to be contained in a set. Students will experiment with sets in conjunction with the Venn Diagram.

Link <http://www.shodor.org/interactivate/lessons/SetsTheVennDiagram/>