Prabhu Dayal Public School
Class XII (Political Science)
HOLIDAYS HOMEWORK (2023-24)

I.   **Political Science Project :** Prepare a Project according to CBSE guidelines.

Topic : as given in classroom (Roll. No. Wise)

General Instructions

1. This is an individual Project.
2. It should be handwritten on A4 size sheet.
3. Project should be summed up in 20-25 pages.
4. It should be well researched on facts, figures, dates & pictorial.
5. Project can be based on hypothesis and surveys to support your research.

II.   Research and analyze the role of international organisations such as United Nation, World Bank & International Monetary Fund etc.

{ *Frame 6 markers for the given topics taking help from Book 1 , Chapter : UN & agencies* **}**

III.   Read the newspaper daily especially the editorial.

IV.   Read & Revise the syllabus for PWT -I.

HOLIDAY HOMEWORK

SUBJECT-PHYSICS

CLASS-XII

The holiday homework in Physics is comprised of below mentioned parts. You are expected to do all of them and submit in accurate form after your summer vacations get over:

1. Make complete Physics Practical file and Activity file in separate files respectively. The pdfs for the same are already provided to you. On the plain side of your file, for each experiment, make empty Observation table and write all points of the Observation with blanks. They will be filled after you perform the practical in Physics lab. Similarly, calculations and graphs will be done with your own readings.
2. Prepare complete Project report for the investigatory project allotted to you. Once the project is performed in the lab, then only write readings, do calculations and draw graphs respectively in your project report.
3. Do all the intext solved examples of Chapter 1 and Chapter 2 of NCERT in your homework notebook.
4. Do all the end chapter exercise given at the end of Chapter 1 and Chapter 2 of your NCERT in your homework notebook. Don't do Additional exercise which is also there after each chapter of NCERT.

NOTE: FOR POINTS 3 AND 4, THERE IS NO NEED TO MAKE SEPARATE HOLIDAY HOMEWORK NOTEBOOK. DO THEM IN YOUR REGULAR HOMEWORK NOTEBOOK OF PHYSICS.

PHYSICAL EDUCATION HOLIDAY HOMEWORK

CLASS - XII

PRACTICAL – 1

Fitness tests administration for all items (AAHPER)

Motor Fitness Test –

1. 50 M Standing Start   2. 600 M Run/Walk

3. Sit & Reach Test   4. Partial Curl Up

5. Push Ups (Boys)   6. Modified Push Ups (Girls)

7. Standing Broad Jump   8. Shuttle Run (4x10 M

PRACTICAL – 2

SENIOR CITIZEN FITNESS TEST (RIKLI & JONES)

PRACTICAL – 3

ASANAS

Two asanas each with procedure, benefits and contraindications for Five Lifestyle Diseases namely : Asthma, Obesity, Backpain, Hypertension and Diabetes

PRACTICAL – 4

Any one game of your choice with it's history, skills and terminologies. Famous player related to games.

HOLIDAY HOME WORK

XII MATHEMATICS

Q.1 Let A={1,2,3,4..........9} and relation R on AXA defined a by(a,b) R (c,d) if a+d=b+c for all (a,b),(c,d) $\in$ AXA, show that R is an equivalence relation. Also find the equivalence class of (2,5).

Q2. If R be the relation defined on Q (set of rational numbers) as aRb $\iff$ |a-b| $\leq \frac{1}{2}$ then show that R is not transitive.

Q3. Is the function f : N $\to$ N, where N is the set of natural numbers is defined by

$$f(x) = \begin{cases} n^2 & ,n \ is \ odd \\ n^2 + 1, & n \ is \ even \end{cases} \quad \text{onto?}$$

Q4. Let R be a relation on the set A of real numbers be defined as (a,b) $\in R$ $\implies$ 1 + ab > 0 for all a , b $\in$ A . Show that R is not transitive.

Q.5 Let A=R-{2} ,B=R-{1} , if f:A→B , f(x)=$\frac{x-1}{x-2}$ then f is a bijective function.

Q-6 A function f is defined on all real numbers except 2/3 as f(x)=$\frac{4x+3}{6x-4}$, $then \ show \ that f$ is one-one and onto function.

Q-7 Solve for x, $(\tan^{-1} x)^2 + (\cot^{-1} x)^2$) =$\frac{5\pi^2}{8}$

Q-8 Prove that 2 $\tan^{-1}\left(\frac{1}{5}\right) + \sec^{-1}\left(\frac{5\sqrt{2}}{7}\right) + 2\tan^{-1}\left(\frac{1}{8}\right) = \pi/4$

Q9 Draw the graphs of $\sin^{-1} x$, $\cos^{-1} x \ and \ \tan^{-1} x$.

Q-10 Solve for x, $\cos^{-1}\left(\frac{x^2-1}{x^2+1}\right) + \frac{1}{2}\tan^{-1}\left(\frac{2x}{1-x^2}\right)$ =$2\pi/3$

Q.11 Find the minimum and maximum value of $(\sin^{-1} x)^2 + (\cos^{-1} x)^2$

Q-12 Write in simplest form $\sin^{-1}\left(\frac{12x+5\sqrt{1-x^2}}{13}\right)$

Q.13 f:R→ R,f(x)=IxI , show that f is neither one-one nor on to function.

Q.14 A=$\begin{bmatrix} 1 & 2 & 1 \\ 1 & 0 & 3 \\ 2 & -3 & 0 \end{bmatrix} and \ B = \begin{bmatrix} 9 & -3 & 6 \\ 6 & -2 & -2 \\ -3 & 7 & -2 \end{bmatrix}$, find AB , hence solve the equations. X+2y+z=7, x+3z=11, 2x-3y=1

Q.15If A=$\begin{bmatrix} 1 & -2 & 0 \\ 2 & 1 & 3 \\ 0 & -2 & 1 \end{bmatrix}$, find A^{-1}, hence solve the system of equations

X+2y=3 , 2x-y+2z=1, 3y+z=3

Q.16 If $\begin{bmatrix} 1 & 2 \\ 2 & 5 \end{bmatrix} A \begin{bmatrix} 1 & -2 \\ 1 & 1 \end{bmatrix} = \begin{bmatrix} 3 & 1 \\ 4 & 2 \end{bmatrix}$ .find matrix A.

Q17. If A and B are skew symmetric matrices of same order then nature of AB+BA?

Q18. Using matrix, solve the equations: 2/x-3/y+3/z=10 ; 1/x+1/y+1/z =10 ; 3/x-1/y+2/z=13

Q19. Prove that diagonal elements of a skew symmetric matrix are zero.

Q20. Express given matrix as a sum of symmetric and skew symmetric matrix

$A = \begin{bmatrix} 1 & 2 & 3 \\ 5 & 6 & 7 \\ -1 & 0 & 1 \end{bmatrix}$

Q.1. Answer the following based on the series given below.

import pandas as pd

 list1=[1,2,3,4,5,6,7,8]

list2=['swimming','tt','skating','khokho', 'bb', 'chess', 'football',"cricket"]
school=pd.Series(list1,index=list2)

school.name=("little")

print (school*2) #statement 1

 print (school.tail(3)) # statement 2

print (school["tt"]) # statement 3

 print (school[2:4]) # statement 4

print (school[school<3]) #5

l3=[3,4,5]

s2=pd.Series(data=l3*2)

print(s2) # 6

i. Choose the correct name of the series object given above.

> a)   list1 b) list2 c) school d) little

 ii. Write the correct output for the six print statements above

iii Give the output of the following program
import pandas as pd
s =pd.Series([10,20,30,40,50,60,70,80],index =['a','b','c','d','e','f','g','h'])
print(s[2:5])
print(s[1:7:2])

iv Fill the missing statement to retrieve the first three elements in the Series
import pandas as pd
s =pd.Series([1,2,3,4,5],index =['a','b','c','d','e'])
print(s[_])
Its output is as follows −
a 1
b 2
c 3

v Fill the missing values to get the desired output.
import pandas as pd
name=['Harsh','Arun','Ankur','Harpahul','Divya','Jeet']
empno=[101,102,103,104,105,106]
p=pd.Series(_____,index=_____)
print ('name of empno 101 is',p[____])
Output

name of empno 101 is Harsh

vi Write code to show rows of those empno which are greater than 103
import pandas as pd
empno=[101,102,103,104,105,106,107]
p=pd.Series(empno)

(vii) Write python code to create the following series
101 Harsh
102 Arun
103 Ankur
104 Harpahul
105 Divya
106 Jeet

       a.   show details of 1st 3 employees using head command
       b.   show details of last 3 employees using tail command
       c.   show details of 1st 3 employees without using head command
       d.   show details of last 3 employee without using tail command
       e.   show value of index no 102
       f.   show 2nd to 4th records
       g.   show values of index no=101,103,105
       h.   show details of "Arun"

Q.2 DATAFRAME

Consider the given dataframe STOCK and answer the following questions:

	item	manf	qty	price
l1	laptop	dell	5	45000
m1	mobile	samsung	2	12000
l2	laptop	acer	3	30000
ms1	mouse	hp	10	1000

a. Wrtie the code to create the above dataframe
b. **Display the details of all the laptops (use boolean indexing)**
c. **Display the details of manufacturers with prices**
d. **Insert a column named "color" with the following values (black, black, grey, white)**
e. **Insert the given rows to store the following details**

	item	manf	qty	Price	color
m2	mobile	oppo	15	15000	blue
sp1	speaker	Bose	4	20000	red

f. **Display the details of those items which have price less than 15000**
g. **Remove the column color permanently**
h. **Display the items of Samsung company in the stock**
i. **Add a column named "rating' with the following values ("A+","A","B","B+","A","A+")**
j. **Delete row with index label l2 temporarily.**

Q.3 SQL (revision xi class)

    A Departmental store 'Iconic' is planning to automate its system so that they can store all the records on computer. They contacted a Software Company to make the software for the same. The company suggested that there is need of a front end and back-end software. The major challenge was to keep the record of all the items available in the store. To overcome the problem, the software company has shown the glimpses of the database and table required to resolve their problem:

Database Name: Iconic
Table Name: Garment
Attributes of the table: Gcode – Numeric Primary key, Gname – Character 25, Size - Character 5, Colour – Character 10, Price – Numeric

a) **Write the statement to create the Garment Table**

Consider the following records in 'Garment' table and answer the given questions:

Table: GARMENT

GCODE	GNAME	SIZE	COLOUR	PRICE
111	Tshirt	XL	Red	1400.00
112	Jeans	L	Blue	1600.00
113	Skirt	M	Black	1100.00
114	Jacket	XL	Blue	4000.00
115	Trousers	L	Brown	1500.00
116	LadiesTop	L	Pink	1200.00

b) Write the statement to insert any one record
c) Write the statement To delete the record with GCode as 116
d) Give the output of : Select GName, Price from GARMENT order by Price Desc;
e) Write the statement To change the colour of GARMENT with code as 116 to "Orange"
f) What is the degree and cardinality of 'GARMENT' table?
g) Write the statement to display size without duplicate
h) Write the statement to display records in the price range 1100 to 1500

Q.4 Complete practical file questions of Python Pandas .

Q.5 Project work

   The aim of the class project is to create tangible and useful IT applications. The learner may identify a real-world problem by exploring the environment. e.g. Students can visit shops/business
places, communities or other organizations in their localities and enquire about the functioning of the organization, and how data are generated, stored, and managed. The learner can take data stored in csv or database file and analyze using Python libraries and generate appropriate charts to visualize.
Data can be imported in Pandas for analysis and visualization. Learners can use Python libraries of their choice to develop software for their school or any other social good. Learners should be sensitized to avoid plagiarism and violation of copyright issues while working on projects.

Q.6 Design a beautiful A4 SIZE POSTER on any of the given topics

1. Python   XII E
2. SQL   XIIE
3. Computer Network   XII E
4. Cyber Safety   -----XII C
5. Digital Society ,Law and Ethics --- XII C

REVISE THE SYLLABUS FOR PWT1

*NOTE: Q 1 TO 4   to be done in IP register

प्रिय विद्यार्थीवर्ग ,

जिस ग्रीष्मावकाश का आप सभी को वर्षभर इंतज़ार रहता है , वह आ गया है । आ गया है वह अवकाश जो आपके लिए केवल मनोरंजन के द्वार ही नहीं खोलता बल्कि समय को साधने का सुअवसर भी उपलब्ध करवाता है । आपको पहले से अधिक ज्ञानवान बनाया जाए , आपकी रुचियों को जाग्रत किया जाए, इस उद्देश्य को ध्यान में रखकर आपके लिए बहुपयोगी गृहकार्य तैयार किया गया है। दिए गए गृहकार्य को मन लगाकर कीजिए ।

प्रश्न-1. निम्नलिखित विषयों पर 100 - 150 शब्दों में रचनात्मक लेख लिखिए :

(क) पर्यावरण है तो मानव है
(ख) गाँव से शहर की ओर बढ़ रहा पलायन
(ग) विकास की ओर तेज़ी से बढ़ता भारत
(घ) लोकतंत्र में मीडिया की प्रभावकारी भूमिका

प्रश्न-2. विस्थापन क्या है ? इसकी समस्या से आप कहाँ तक परिचित हैं ? किसी विस्थापन संबंधी समस्या पर एक रिपोर्ट तैयार किजिए ।

(उपरलिखित प्रश्न के लिए आप फ़ाइल तैयार करेंगे)

प्रश्न-3. जी 20 (G20) सम्मेलन क्या है ? इसकी विशेषता बताते हुए शामिल देशों के नामों का उल्लेख करते हुए जी 20 सम्मेलन में भारत की क्या भूमिका है , इस पर एक परियोजना तैयार कीजिए ।

विशेषः गृहकार्य के लिए अलग पुस्तिका बनाइए। अवकाश के दिनों में पढ़ाए गए पाठ्यक्रम की पुनरावृति अवश्य कीजिए ।

Holiday Homework
Geography
Class XII

Practical Work

Important Instructions

- Do the Practical work on A3 sheets
- Don't use red colour for headings or written work
- Written work, diagrams, tables and maps should be neat and accurate

Practical Work in Geography Part –II NCERT Textbook

Chapter 1 -Data its Sources and Compilation

Chapter 2- Data Processing

Chapter 3- Graphical Representation of Data

Chapter 6-Spatial Information Technology

Theory Part

Geography Map File

- ❖ **Refer the Map list mentioned in the Geography Syllabus 2023-24 by CBSE for both Fundamentals of Human Geography Textbook and India People and Economy Textbook**

Important Instructions
- Make the Map file on A 4 sheets
- Don't use red colour for headings or written work
- Map work should be accurate and neat strictly following the NCERT Textbooks

- ❖ **Revise the Covered Syllabus for PWT –I**

HOLIDAY HOMEWORK

CLASS 12 ENGLISH

ENGLISH PROJECT

 The Project - Portfolios is a compilation of the work that the

students produce during the process of working on their ALS project.

The Project- Portfolio MUST include the following pages arranged in the order mentioned below: -

1. Cover page, with title of project, school details / details of

students.

2. Index

3. Statement of purpose /objectives /goals

4. Certificate of completion under the guidance of the teacher.

5. Action plan for the completion of assigned tasks.

6. Materials such as pictures, paper cuttings, scripts for the survey, questionnaires for interview and other material evidence of learning progress and academic accomplishment.

7. A report/essay on the topic of your choice on the basis of the understanding and knowledge you have acquired in the process of doing the project in 800 -1000 words

8. Student reflections written in a paragraph that captures the positive learning.

experiences of the students.

9. Lists of resources / bibliography

Students are free to choose **ANY ONE of the given topics in consultation with the teacher** and work according to the guidelines given.

1.The pain that is inflicted on the people of a country or territory by its conquerors by taking away the right to live in their country. (e.g. The war fought between Ukraine and Russia and its effect on people there and world over.)

2.The plight of street children forced into labour early in life and denied the opportunities of schooling because of the indifference of the society and the political class to the suffering poor. (Lost Spring)

3.Human loneliness and the need to bond with others, is felt deeper   during the days of pandemic. Present a report on the basis of your survey

4. The leadership shown by Mahatma Gandhi to secure justice for oppressed through convincing argumentation and negotiation.

5. Contributions made by anonymous Indians to the freedom movement. OR The unsung heroes of freedom movement.

6. A person you would like to have as a role model -a brief insight into his/her achievements, personality and how they have a positive influence on the youth of the country.

7. Present a brief report on the life and works of any ONE of the poets/ authors of your choice.   (from Vistas or Flamingo)

8. The troubles associated with the modern urban lifestyle and how can we try to cope up with them? (THE THIRD LEVEL)

9. The impact of mass migration of youth (to study and work abroad) on the future of our country's progress.

10. Impact of online learning on students.

11. Social networking is the lifeline of the modern world.

12. Entrance examination should remain as the ONLY criteria for admission to higher studies.

13. Importance of sound mental health to lead a fulfilling life.

14. Climate change is the greatest threat that humanity is facing today.

15. Young entrepreneurs with innovative start-ups will pave the way for the progress of the nation.

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PRABHU DAYAL PUBLIC SCHOOL
HOLIDAYS HOMEWORK
ECONOMICS (030)
CLASS XII

1. Practice the following numerical questions:
   *Practise any 10 numerical of national income. Show your workings clearly.
   *Questions are to be done in your class registers only.

2. Prepare a project as per CBSE guidelines as briefed in the class. You have to abide by the topic allotted to you only.
   GUIDELINES -
   *Use a ring file as your project file and cover it neatly. Write your particulars on the project file which include- Name, Board Roll. No, Subject, Class & Section, Session: 2023-24 and Topic.
   * Project should be of 25-30 (excluding graphs and diagrams) covering the entire content and should be hand written only.
   *You can include newspaper articles, IMF/World bank reports, NITI Aayog reports, Government policies etc.
   * Plagiarism is not allowed and you must mention the source of the information to ensure authenticity of the research work.
   *Presentation of the project should be in the following manner-
      1. Topic
      2. Acknowledgement
      3. Certificate
      4. Index
      5. Introduction of topic
      6. Causes, Consequences and remedies
      7. Various stakeholders and effect on each of them
      8. Advantages and disadvantages of situations or issues identified.
      9. Short-term and long-term implications of economic strategies suggested in the course of research.
      10. A **case study** or real life application of the topic is a must.
      11. Conclusion
      12. Bibliography – Citation of materials referred to should be included.
      13. Thank you sheet

HOLIDAYS HOMEWORK

COMPUTER SCIENCE

CLASS XII

Do the following assignment in CS notebook.

Programming language-python

1 a) Write any two features of dictionary, list and tuples?

b) What are actual and formal parameters?

c)Explain default arguments?

d) Expalin following file modes .-

r,rb,r+,rb+

w,wb,w+,wb+

a,ab,a+,ab+

e) list different file operations.

f) what is file handle?

g) Explain scope of a variable in python by giving an example.

2. write a program to find the maximum element in the list entered by the user.

3. Write a program to perform linear search.

4. Write a function to find the sum of all values which are ending with 3 from a list. Function is receiving list as parameter.

5. Write a program to input 3 students names and their age to store it in dictionary and print the age of a particular student.

6. Write a program which accepts a number from the user and print the frequency of the number in the list lst given under, if the number is not in the lst it should print "number not available".

7 Write a program to perform write ,append and read operation in the text file.

8 Create a dictionary with the roll number, name and marks of n students in a class and display the names of students who have scored marks above 75.

9 Write a function which receive x and n as parameters and return the sum of the following series: $1+x+x^2+x^3+x^4+. ....x^n$

10.Write a program to read a text file by using the following read methods-

read()

read(n)

readline()

readlines()

note:- Complete all the practical files program and get their printouts

Holiday Homework

Class-XII (2023-24)

Subject-Chemistry

1. Search for the topic of investigatory project and complete the theoretical part of the project
2. Revise the portion of syllabus completed in the class and solve at least 2 numericals daily of the chapters
   i. Electrochemistry
   ii. Solutions
3. Solve the assignments uploaded in the class group.

   *Note- Use appropriate A4 size sheets for the project work. Do the assignments and numerical in a separate notebook.

HOLIDAYS HOMEWORK

BUSINESS STUDIES

CLASS XII

1. COMPLETE PROJECT FILE OF BUSINESS STUDIES AS DISCUSSED IN CLASS.

2. DO THESE QUESTIONS IN YOUR REGISTER. TAKE PRINT OF THE WORKSHEET AND DIRECTLY WRITE ANSWERS ON IT.

MULTIPLE CHOICE QUESTIONS (1 MARK)

Q1. Which one of the following is a marketing management philosophy?

(a)Societal marketing concept (b) Distribution concept

(c) Direct marketing concept (d) Channel concept

Q2. Which one of the following is not a marketing mix?

(a) Product (b) Physical distribution

(c) Product pricing (d) Production process

Q3. Which one of the following factors is not relevant to price fixation?

(a) Obtaining market leadership (b) Age of an organization

(c) Value for money (d) Product differentiation

Q4. Which one of the following promotion tools has mass reach?

(a) Advertising (b) Personal selling

(c) Sales promotion (d) Public relations

Q5. Registering a trademark gives to the users. (Imp)

(a) Finance (b) Fame

(c) Protection (d) Information

Q6. Hena is planning to set up a small manufacturing unit for manufacturing eco-friendly packaging

material. She has decided to market her products through the conventional channel of distribution,

which involves wholesalers and retailers. Identify the channel of distribution being adopted by the

company.

(a) Zero level channel (b) One level channel

(c) Two level channel (d) Three level channel

Q7. The concept which focuses on large scale production and minimum cost is called:

(a)Production concept (b) Product concept

(c) Selling concept (d) Marketing concept

Q8.The carrier of information is called

(a)Packaging (b) Labeling

(c)Branding (d) Goodwill

Q9. The product reaches the customer at the right time, in the right quantity and at the right place by using the following element of marketing.

(a)Product mix (b) Place mix (c) Promotion mix (d) Place mix

Q.10.To reach the mass customer in a non-personal manner, the following element of promotion mix is used .

(a)Advertising (b) Sales Promotion (c) Personal selling (d) Public relation

Q11.A brand or part of the brand that is given legal protection is called.......

(a)Brand Mark (b) Trademark (c) Brand (d) Brand name

Q12.................. involves a variety of programmes designed to promote and protect a company's image and its individual products in the eyes of the public.

(a)Advertising (b) Personal selling (c) Publicity (d) Public relations

Q13.The collection of utilities is known as...................

(a)Purchaser (b)Seller (c) Product (d) Market

Q14: Marketing mix does not include

a) Product (b) Place (c) Promotion (d) People

Q15. Which of the following is the function of marketing management?

(a)Promotion (b) Physical Distribution (c) Transport (d) All of the above

Q16.Cardbox of shaving cream is the example of?

a) Primary packaging (b) Secondary packaging (c) Transport packaging (d) None of the above

Q17. Read the following statements: Assertion (A) and Reason (R). Choose one of the correct alternatives given below

Assertion (A): Labeling acts as a silent salesman

Reason (R): It helps in the promotion of products by attracting the attention of customers and providing required information.

Alternatives:

a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion

b) Both Assertion (A) and Reason (R) are true and Reason (R) is not the correct explanation of Assertion (A).

c) Assertion (A) is true but Reason (R) is False

d) Assertion (A) is False but Reason (R) is true

Q18. Assertion (A): The term 'market' refers to the place where buyers and sellers gather to enter into transactions involving the exchange of goods and services.

Reason (R): Market refers to a set of actual and potential buyers of a product or service. It does not necessarily mean a geographical place (e.g conduct of business through telephone, mail, or internet).

Alternatives:

a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).

b) Both Assertion (A) and Reason (R) are true and Reason (R) is not the correct explanation of Assertion (A).

c) Assertion (A) is true but Reason (R) is False Assertion (A) is False but Reason (R) is true.

Q19.Misha a school bag manufacturer decided to improve the product for profit maximization and thus added a water bottle holder to the existing design. Identify the marketing management philosophy adopted by Misha.

(a)Product concept (b) Production concept (c) Selling concept (d) Marketing concept

Q20. Mr.Rajiv, the sales executive of ABC Ltd.possess good marketing techniques, his techniques involve oral presentation of message, convincing the customer with face to face interaction etc. name the element of marketing mix under which the above technique fall:

a) Promotion b) Product c) Price Place

Very short answer type questions (1 Mark)

Q1. Mansi took her niece Ridhima shopping to 'Mega Stores' to buy her a bag for her birthday. She

was delighted when on payment of the bag she got a pencil box along with the bag free of cost.

Identify the technique of sales promotion used by the company.

Q2. Sunita took her niece, Aishwarya for shopping to 'Benetton' to buy her a dress on the occasion of her birthday. She was delighted when on payment for the dress she got a discount voucher to get 20% off for a meal of Rs. 500 or above at a famous eating joint.

Identify the promotional tool used by the company in the above situation.

Q3. Good Living Ltd. manufactures mosquito repellent tablets tables. These tablets are packed in strips of 12 tablets each. Each of these strips is packed in a cardboard box, 48 such boxes are then placed in a big corrugated box and delivered to various retailers for sale. State the purpose of packaging the tablets in a corrugated box.

Q4. which marketing concept takes care of the social,ethical and ecological aspect of marketing?

Q5. "It is necessary that goods and services must be made available to the customer at the right place, in right quantity and at the right time''. Name the concerned element of marketing mix.

Q6 . Which distribution channel should be used in case the buyers are widely dispersed?

Q7. ATV manufacturing company is spending a substantial amount of money to persuade target customers to buy its T.V. sets through advertisements, personal selling and sales promotion techniques. Identify the element of the marketing mix referred here.

Q8. At which level of packaging the immediate container is referred to?

Q9. 'Bending customers according to the product' is an important concept of marketing. Identify the concept.

Q10. What is the objective of branding?

Q11. Name the marketing function which is concerned with informing the customers about the firms product.

Q12.'Buy one get one free' is printed on the label of the package of a mosquito repellent. Identify the concept.

Q13. Name the element of marketing mix in which a set of firms and individuals create possession, place and time utility and help in market offering?

Holiday Home work

Class XII

Biology

1. Learn the concepts taught in class.
2. Read and understand the investigatory project.
3. Solve HOTS questions from the chapter taught in class.
4. Complete writing down the practical exercises in record file.
5. Practice drawing the diagrams and labeling them.

PRABHU DAYAL PUBLIC SCHOOL
SHALIMAR BAGH, DELHI

CLASS XII
HOLIDAYS HOMEWORK
ACCOUNTANCY

Ch-2 Accounting for Partnership Firms-Fundamentals

1. Below are listed Content of partnership Deed except:
   a. Ratio in which profit or losses shall be share
   b. Interest on Partners capital and drawings
   c. Interest on Debentures
   d. Name of the firm.

2. Which Section of the Partnership Act defines Partnership as the relation between persons who have agreed to share the profits of a business carried on by all or any of them acting for all?
   a. Section 61
   b. Section 48
   c. Section 13
   d. Section 4

3. From the following, what is important for a partnership?
   a. More than 10 Persons
   b. Registration
   c. Sharing of Profits
   d. Capital more than 15 Crore

4. Interest on capital as a charge against profits in case of insufficient profit is
   a. Not allowed
   b. All of these
   c. Allowed in full irrespective of profit
   d. Allowed to the extent of profit

5. From the following, identify a situation when fixed capitals of the partners may change?
   a. When drawings are made by the partners
   b. When current accounts are opened
   c. When there is loss in the business
   d. When additional capital is introduced

6. Fill in the blanks:
   Manager's commission is a_____ against profits.

7. The net profit of X, Y and Z for the year ended March 31, 2016, was Rs 60,000 and the same was distributed among them in their agreed ratio of 3 : 1 : 1. It was subsequently discovered that the undermentioned transactions were not

8. recorded in the books :

(i)	Interest on Capital @ 5% p.a.
(ii)	Interest on drawings amounting to X Rs 700, Y Rs 500 and Z Rs 300.
(iii)	Partner's Salary : X Rs 1000, Y Rs 1500 p.a.

The capital accounts of partners were fixed as : X Rs 1,00,000, Y Rs 80,000 and Z Rs 60,000. Record the adjustment entry.

9. Amann, Babita and Suresh are partners in a firm. Their profit sharing ratio is 2:2:1. Suresh is guaranteed a minimum amount of Rs 10,000 as share of profit, every year. Any deficiency on that account shall be met by Babita. The profits for two years ending December 31, 2016, and December 31, 2017, were Rs 40,000 and Rs 60,000, respectively. Prepare the Profit and Loss Appropriation Account for the two years.

10. Amit, Babita and Sona form a partnership firm, sharing profits in the ratio of 3: 2: 1, subject to the following:
Sona's share in the profits, guaranteed to be not less than Rs 15,000 in any year.
   i. Babita gives guarantee to the effect that gross fee earned by her for the firm shall be equal to her average gross fee of the proceeding five years, when she was carrying on profession alone (which is Rs 25,000). The net profit for the year ended March 31, 2017, is Rs 75,000. The gross fee earned by Babita for the firm was Rs 16,000.

You are required to show Profit and Loss Appropriation Account (after giving effect to the alone)

10. P and Q are partners with capitals of Rs.6,00,000 and Rs.4,00,000 respectively. The profit and Loss Account of the firm showed a net Profit of Rs.4,26,800 for the year.
Prepare Profit and Loss Appropriation account after taking the following into consideration:-

   ii. Interest on P's Loan of Rs. 2,00,000 to the firm
   iii. Interest on capital to be allowed @ 6% p.a.
   iv. Interest on Drawings @ 8% p.a. Drawings were ; P Rs 80,000 and Q Rs. 50,000.
   v. Q is to be allowed a commission on sales @ 3%. Sales for the year was Rs. 10,00,000
   vi. 10% of the divisible profits is to be kept in a Reserve Account.

11. Mohan, Neeraj and Peeyush are partners in a firm. They contributed Rs 75,000 each as capital three years ago. At that time, Peeyush agreed to look after the business as Mohan and Neeraj were busy. The profits for the past three years were Rs 45,000, Rs 30,000 and Rs 60,000 respectively. While going through the books of accounts, Mohan noticed that profit had been

distributed in 1: 1: 2 ratio. When he enquired from Peeyush about this, Peeyush answered that since he looked after the business he should get more profit. Mohan disagreed and it was decided to distribute profits equally retrospectively for the last three years.

 vii. You are required to make necessary corrections in the books of accounts of Mohan, Neeraj and Peeyush by passing an adjustment entry.

 viii. Identify the value which is being ignored by Peeyush.

12. Mona, Nisha and Priyanka are partners in a firm. They contributed Rs 50,000 each as capital three years ago. At that time, Priyanka agreed to look after the business as Mona and Nisha were busy. The profits for the past three years were Rs 15,000, Rs 25,000 and Rs 50,000 respectively. While going through the books of accounts, Mona noticed that the profit had been distributed in the ratio of 1: 1: 2. When she enquired from Priyanka about this, Priyanka answered that since she looked after the business she should get more profit. Mona disagreed and it was decided to distribute profit equally retrospectively for the last three years.

 ix. You are required to make necessary correction in the books of accounts of Mona, Nisha and Priyanka by passing an adjustment entry.

 x. Identify the value which was not practised by Priyanka while distributing profits.

13. S and P are partners in a firm sharing profits and losses equally. On 1st April, 2011, the capital of the partners were, S Rs 20,000 and P Rs 16,000. The profit and loss account of the firm showed a net profit of 37,500 (before interest on P's loan) for the year ended 31st March, 2012. Considering the following information, prepare the profit and loss appropriation account of the firm and the partners' capital account.

 xi. Interest on capital to be allowed @ 6% p.a.
 xii. Interest on P's loan account of Rs 10,000 for the whole year.
 xiii. Interest on drawings of partners @ 6% p.a. Drawings being S Rs 4,000 and P Rs 3,000.
 xiv. Transfer 10% of the distributable profits of the reserve.

14. Complete the missing amounts in the following accounts :

Dr.					Cr.
Particulars		(Rs)	Particulars		(Rs)
To Partner's Salary A/c			By Net Profit as per Profit and Loss A/c		3,00,000
B's Current A/c	---		Less: Interest on B's Loan (20,000××6/100)	--	--
C's Current A/c	--	---	By Interest on Drawings A/c:		
To Interest on Capital A/c:			A's Current A/c	--	--
A's Current A/c	11,000		B's Current A/c	--	--

Dr.						Cr.
Particulars		(Rs)	Particulars			(Rs)
B's Current A/c	8,750		C's Current A/c		--	--
C's Current A/c	4,500					
To Profit transferred to A/cs						
A	--					
B	--					
C	--	--				
		3,06,500				3,06,500

Profit and Loss Appropriation Account

Partner's Current Account

Dr.							Cr.
Particulars	A	B	C	Particulars	A	B	C
To Balance c/d		4,000		By Balance b/d	10,000		5,000
To Drawings A/c	--	--	--	By Salary A/c		20,000	30,000
To Interest on Drawings A/c	3,300	2,200	2,200	By Interest on Capital A/c	---	--	--
To Balance c/d	38,600	67,450	35,750	By Profit and loss Appr. A/c	92,900	92,900	46,450
	1,13,900	1,21,650	85,950		1,13,900	1,21,650	85,950

Dr.							Cr.
Particulars	A	B	C	Particulars	A	B	C
To Bank A/c			10,000	By Balance b/d	1,00,000	80,000	50,000
To Balance c/d	--	--	--	By Salary A/c		20,000	30,000
	1,20,000	95,000	50,000		1,20,000	95,000	50,000

Partner's Capital Account

15. L, M, and N were partners in firm sharing profit in the ratio of 3 : 4 : 5. Their fixed capitals were L Rs 4,00,000 , M Rs 5,00,000 and N Rs 6,00,000 respectively. The partnership deed provided for the following:

xv. Interest on capital @ 6% p.a.
xvi. Salary of Rs 30,000 p.a. to N.
xvii. Interest on partner's drawings will be charged @ 12% p.a.

During the year ended 31.3.2009, the firm earned a profit of Rs 2,70,000. L withdrew Rs 10,000 on 1.4.2008. M withdrew Rs 12,000 on 30.09.2008. and N withdrew Rs 15,000 on 31.12.2008. Prepare profit and loss appropriation account for the year ended 31.3.2009.

Ch-3 Goodwill – Nature and Valuation

1. As per Accounting Standard-26,
    a. both purchased and self-generated goodwill are accounted in the books of account
    b. purchased goodwill is accounted in the books of account
    c. None of these
    d. self-generated goodwill is accounted in the books of account

2. Calculate the average profit of last four year's profits. The profits of the last four years were:

2008	27000
2009	39000
2010	16000(loss)
2011	40000

    a. ₹10000
    b. Rs. 22500
    c. ₹30000
    d. ₹40000
3. The excess amount which the firm gets on selling its business over and above the net value is
    a. Surplus
    b. Goodwill
    c. Super profits.
    d. Reserve
4. Goodwill is valued
    a. at the time of change in profit-sharing ratio
    b. at the time of retirement or death of a partner
    c. at the time of admission of a partner
    d. All of these
5. Goodwill under Average Profit Method means
    a. None of these
    b. Normal profit ×× Number of year's purchase
    c. Super profit ×× Number of year's purchase
    d. Average profit ×× Number of year's purchase
6. Fill in the blanks:

   Average Profit = _____.

7. How does goodwill arise?
8. How does the factor 'quality of product' affect the goodwill of a firm?
9. The profits and losses for last five years were
   1st year - Rs 3,000 (including an abnormal gain of 1,000)
   2nd year - Rs 7,000 (excluding Rs 2,000 as insurance premium)
   3rd year - Rs 2,000 (after charging an abnormal loss of Rs 1,000)
   4th year - Rs 3,000

5th year - Rs 1,000 (Loss)
Calculate the amount of Goodwill on the basis of 3 years purchase of last 5 years profits and losses.

10. What is Revaluation Account? How it is differ from Profit & Loss Appropriation A/c?

11. A business has earned average profits of Rs 1,00,000 during the last few years and the normal rate of return in a similar business is 10%. Find out the value of goodwill by

    i.   Capitalisation of super profit method.
    ii.   Super profit method, if the goodwill is valued at 3 years' purchase of super profit.

The assets of the business were Rs 10,00,000 and its external liabilities Rs 1,80,000.

12. Neeraj and Dheeraj are carrying on a business of repairing electronic items. There are no other technicians for repairing electronic items in the locality. As the electric supply has a lot of fluctuations the equipments get damaged. Therefore, both the partners themselves do the repairing work to the satisfaction of the customers. The firm donates 10% of its profits to a Charitable Hospital of the locality for the medical treatment of persons below poverty line. State the two factors affecting the goodwill of the firm discussed in the above para. Also identify any two values which the firm is trying to propagate.