DAV PUBLIC SCHOOL, NOAMUNDI

CLASS-XII SUMMER VACATION HOME WORK

SUB- *ACCOUNTANCY*

1) A and B have capitals of Rs 4,00,000 and Rs 2,00,000 respectively and interest on capital is to be allowed @ 6% p.a. Their profit sharing ratio is 2:3 and net profit for the year is Rs 30,000 .Prepare Profit & Loss Appropriation Account to distribute the profit.

2)P and Q were partners in a firm sharing profits equally. Their fixed capitals were Rs 1,00,000 and 50,000 respectively . The partnership Deed provided for interest on capital at the rate of 10% per annum . For the year ended 31st March 2016 , profits of the firm were distributed without providing interest on capital. Pass necessary adjustments entry to rectify the error.

3)Distinguish between Profit&loss A/c and Profit & Loss Appropriation A/c ?

4) Define Goodwill.

5) What is meant by Self- generated Goodwill ?

6) Average profit of a firm during the last few years isRs 2,00,000 and the normal rate of return in a similar business is 10% .If the goodwill of the firm is Rs 2,50,000 at 4 years' purchase of super profit . Find the Capital employed by the firm

7) What is Super Profit ?

8) Raja Brothers earn an average profit of Rs30,000 with a capital employed of RsRs 2,00,000.The normal rate of return in the business is 10%. Using Capitalisationof super profit method .Find the value of Goodwill of the firm.

SUB- BUSINESS STUDIES

1.What is Management ?

2 Why is management considered to be a Multi-dimensional concept ?.

3. Coordination is considered as the essence of management .Do you agree? Give reason

4. Management helps to implement new changes in the organization. Which importance of it is referred in the statement ?

5. Management is considered to be both an art and science. Explain

6. Write down the objectives of management ?

7. Write down the functions of management .

8.Distinguish between Unity Of Direction and Unity of Command ?

SUB- *ECONOMICS*

1. What is circular flow of income in two sectors of economy?

2. Distinguish between Stock and Flow ?

3. How are money flow and real flow opposite toeach other?

4. Distinguish between Final Goods and Intermediate Goods. Give suitable examples

5. Distinguish between Domestic Income and National Income.

6. Machine purchased by a firm is always a capital goods.Do you agree with the given Statement ? Give valid reasons for your answer.

7. Define Net factor Income from Abroad(NFIA) and discuss its components.

8. Explain the likely impact of construction of 2,000 new schools providing high- quality Education in a nation on Gross Domestic Product and welfare in an economy.

SUB- *ENGLISH*

1. Solve 6 comprehension passages.

2. Write an article (250–300 words) on Digital India: Boon or Bane

3.Write 5 Notice and 5 Invitation drafting tasks from the shared questions

4. Make a power point presentation to be presented on the project topic

5. Prepare project on any taught chapter of literature chapters with critical analysis and relate the same with SDG (Sustainable Development Goals) values .

HOLIDAY HOME ASSIGNMENT

STD XII **SUBJECT- MATHEMATICS**

1. Show that the relation R in the set {1, 2, 3} given by R = {(1, 1), (2, 2), (3, 3), (1, 2), (2, 3)} is reflexive but neither symmetric nor transitive.
2. Let Z be the set of all integers and R be the relation on Z defined as R = {(a, b): a, b ε Z and (a – b)is divisible by 5}. Prove that R is an equivalence relation.
3. If R_1 and R_2 are two equivalence relations in a set A, show that$R_1 \cap R_2$ is also an equivalence relation.
4. Let A = {1, 2, 3, …, 9} and R be the relation in A X A defined by (a, b) R (c, d) if a +d = b +c, for (a, b), (c, d) ε A X A. Prove that R is an equivalence relation, also obtain the equivalence class [(2, 5)].
5. Find the principal values of the following:
   (i) $\cot^{-1}(-\sqrt{3})$
   (ii) $\sin^{-1}\left(-\frac{\sqrt{3}}{2}\right)$
   (iii) $\sin^{-1}\left(-\frac{1}{2}\right)+\cos^{-1}\left(-\frac{1}{2}\right)$
   (iv) $\tan^{-1}\left(\sqrt{3}\right)-\sec^{-1}(-2)$
   (v) $\cos^{-1}\left(\frac{1}{2}\right)-2\sin^{-1}\left(-\frac{1}{2}\right)$
6. Find the values of the following:
   (i) $\tan^{-1}\left[2\sin\left(2\cos^{-1}\frac{\sqrt{3}}{2}\right)\right]$
   (ii) $\sin\left[\frac{\pi}{3}-\sin^{-1}\left(-\frac{1}{2}\right)\right]$
   (iii) $\tan^{-1}\left[2\cos\left(2\sin^{-1}\frac{1}{2}\right)\right]$
   (iv) $\tan^{-1}(1)+\sin^{-1}\left(-\frac{1}{2}\right)+\cos^{-1}\left(-\frac{1}{2}\right)$
7. If$\begin{bmatrix}1 & 2\\ 3 & 4\end{bmatrix}\begin{bmatrix}3 & 1\\ 2 & 5\end{bmatrix}=\begin{bmatrix}7 & 11\\ k & 23\end{bmatrix}$, then find the value of k.
8. Find the value of x and y, if $2\begin{bmatrix}1 & 3\\ 0 & x\end{bmatrix}+\begin{bmatrix}y & 0\\ 1 & 2\end{bmatrix}=\begin{bmatrix}5 & 6\\ 1 & 8\end{bmatrix}$
9. Find the matrix X such that 2A + B + X = 0, where A = $\begin{bmatrix}-1 & 2\\ 3 & 4\end{bmatrix}$ and B = $\begin{bmatrix}3 & -2\\ 1 & 5\end{bmatrix}$
10. If X and Y are 2 x 2 matrices, then solve the following matrix equations of X and Y.
    2X + 3Y = $\begin{bmatrix}2 & 3\\ 4 & 0\end{bmatrix}$, 3X + 2Y = $\begin{bmatrix}-2 & 2\\ 1 & -5\end{bmatrix}$.

SUBJECT - HINDI

विषय:- हिंदी

1. 'भक्तिन' विषय पर सुंदर एवं आकर्षक परियोजना कार्य तैयार कीजिए ।
2. 'बदलते परिवेश में डिजिटल शिक्षा' और 'मोबाईल की दुनिया में खोता बचपन' विषय पर लगभग 200 शब्दों में फीचर लेख लिखिए ।
3. 'आत्मपरिचय' कविता याद किजिए ।
4. पाठ 'सिल्वर वेडिंग' पढकर प्रश्नोत्तर तैयार किजिए ।

Sub: Computer Science

1. Find and write the output of fallowing python code:

(a)
```
x="abcdef"
u='a'=
while i in x :
        print(i, end=' ')
```

(b)
```
>>> l = "Computer Science"
>>>[-6:-3]
```

(c)
```
9//-4
```

(d)
```
Import random
POINTS = [30.50, 20,45]
BEGIN random.randint(0,3)
LAST random.randint(2,3)
for  C in range (BEGIN, LAST +1):
print (POINT [C], '#', end =")
```

(e)
```
int ('462.3')
```

(f)
```
Lst1=["10","50","30","40"]
CNT 3
Sum = 0
for i in(7,5,4,6):
        T=Lst1[CNT]
        Sum =float(T)+I
        print (sum)
        CNT-=1
```

(g) L= ["abc", [6,7,8], 3, "mouse"]

Write output of-

(i) L[3:]
(ii) L[::2]
(iii) L[1:2]
(iv L[1][1]

SUB- <u>PHYSICAL EDUCATION</u>

1. Imagine your school is hosting an Inter-House Sports Competition.
Design a step-by-step plan including:
(a) Objectives(b) Committees (c)Schedule(d) Resources required

2. Create your own sports event logo and motto, and explain the meaning

behind it

3. If you are the Event Manager, how would you handle:

(a)Rain interruption (b) Player injury (c) Crowd mismanagement

4. Prepare a budget plan for a small sports event in your school.

5. Make a checklist of all the materials and equipment required for conducting a sports day

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