

Summer break holiday 's Home  
work

Class - 12

Subject - Painting

Take A3 size paper sheet and make  
05 still life and 05 composition  
painting for practical file.

**K V ONGC DEHRADUN**

**XII Computer Science Summer Holiday HW PART-1, Session: 2023-24**

Q No.	Question
1	State True or False <b>“Tuple is datatype in Python which contain data in key-value pair.”</b>
2	Which of the following is not a keyword? (A) eval (B) assert (C) nonlocal (D) pass
3	Given the following dictionaries <b>dict_student = {"rno" : "53", "name" : 'Rajveer Singh'}</b> <b>dict_marks = {"Accts" : 87, "English" : 65}</b> Which statement will merge the contents of both dictionaries? (A) dict_student + dict_marks (B) dict_student.add(dict_marks) (C) dict_student.merge(dict_marks) (D) dict_student.update(dict_marks)
4	Consider the given expression: not ((True and False) or True) Which of the following will be correct output if the given expression is evaluated? (A) True (B) False (C) NONE (D) NULL
5	Select the correct output of the code: <b>&gt;&gt;&gt; s='mail2kv@kvsangathan.kvs.in'</b> <b>&gt;&gt;&gt; s=s.split('kv')</b> <b>&gt;&gt;&gt; op = s[0] + "@kv" + s[2]</b> <b>&gt;&gt;&gt; print(op)</b> (A) mail2@kvsangathan (B) mail2@sangathan. (C) mail2@kvsangathan. (D) mail2kvsangathan.
6	Which of the following statement(s) would give an error after executing the following code? <b>D={'rno':32,'name':'Ms Archana','subject':['hindi','english','cs'],'marks':(85,75,89)} #S1</b> <b>print(D) #S2</b> <b>D['subject'][2]='IP' #S3</b> <b>D['marks'][2]=80 #S4</b> <b>print(D) #S5</b> (A) S1 (B) S3 (C) S4 (D) S3 and S4
7	What will the following expression be evaluated to in Python? <b>print ( round (100.0 / 4 + (3 + 2.55) , 1 ) )</b> (A) 30.0 (B) 30.55 (C) 30.6 (D) 31

8	<p>(A) Given is a Python string declaration:</p> <pre>message='FirstPreBoardExam@2022-23'</pre> <p>Write the output of: <code>print(message[ : :-3].upper())</code></p> <p>(B) Write the output of the code given below:</p> <pre>d1={'rno':25, 'name':'dipanshu'} d2={'name':'himanshu', 'age':30,'dept':'mechanical'} d2.update(d1) print(d2.keys())</pre>
9	<p>Predict the output of the Python code given below:</p> <pre>data=["L",20,"M",40,"N",60] times=0 alpha="" add=0  for c in range(1,6,2):     times = times + c     alpha = alpha + data [c-1] + "@"     add = add + data[c]     print (times, add, alpha)</pre>
10	<p>Predict the output of the Python code given below:</p> <pre>L=[1,2,3,4,5] Lst=[] for i in range(len(L)):     if i%2==1:         t=(L[i],L[i]**2)         Lst.append(t) print(Lst)</pre>
11	<p>Find the invalid identifier from the following</p> <p>a) Marks@12    b) string_12    c) _bonus    d)First_Name</p>
12	<p>Identify the valid declaration of Rec:</p> <pre>Rec=(1,"Ashoka",50000)</pre> <p>a) List    b) Tuple    c)String    d) Dictionary</p>
13	<p>Suppose a tuple Tup is declared as <b>Tup = (12, 15, 63, 80)</b> which of the following is incorrect?</p> <p>a) print(Tup[1])    b) Tup[2] = 90 c) print(min(Tup))    d) print(len(Tup))</p>
14	<p>The correct output of the given expression is:</p> <p><b>True and not False or False</b></p> <p>(a) False    (b) True    (c) None    (d) Null</p>

	<b>t1=(2,3,4,5,6)</b> <b>print(t1.index(4))</b> output is (a) 4                (b) 5                (c) 6                (d) 2
15	Which of the following statement(s) would give an error after executing the following code? <b>x= int("Enter the Value of x:") #Statement 1</b> <b>for y in range[0,21]:                #Statement 2</b> <b>if x==y:                                #Statement 3</b> <b>print (x+y)                                #Statement 4</b> <b>else:                                        #Statement 5</b> <b>print (x-y)                                # Statement 6</b> (a) Statement 4                                (b) Statement 5 (c) Statement 4 & 6                                (d) Statement 1 & 2
16	(a) Given is a Python string declaration: <b>str="Kendriya Vidyalaya Sangathan"</b> <b>Write the output of: print(str[9:17])</b> (b) Write the output of the code given below: <b>lst1 = [10, 15, 20, 25, 30]</b> <b>lst1.insert( 3, 4)</b> <b>lst1.insert( 2, 3)</b> <b>print (lst1[-5])</b>
17	Evaluate the following Python expression <b>print(12*(3%4)//2+6)</b> (a)12                (b)24                (c) 10                (d) 14
18	Fill in the Blank <b>The explicit conversion of an operand to a specific type is called _____</b> (a)Type casting (b) coercion (c) translation (d) None of these
19	Which of the following is <b>not a core data</b> type in Python? (a)Lists (b) Dictionaries (c)Tuple (d) Class
20	What will the following code do? <b>dict={"Exam":"AISSCE", "Year":2022}</b> <b>dict.update({"Year":2023} )</b> a . It will create new dictionary dict={"Year":2023}and old dictionary will be deleted b . It will throw an error and dictionary cannot updated c . It will make the content of dictionary as dict={"Exam":"AISSCE", "Year":2023} d . It will throw an error and dictionary and do nothing
21	What will be the value of the expression : <b>14+13%15</b>
22	Which of the following statement(s) would give an error after executing the following code? <b>S="Welcome to class XII" # Statement 1</b> <b>print(S)                                # Statement 2</b> <b>S="Thank you"                                # Statement 3</b> <b>S[0]= '@'                                # Statement 4</b> <b>S=S+"Thank you"                                # Statement 5</b>  (a) Statement 3                                (b) Statement 4 (b) Statement 5                                (d) Statement 4 and 5
23	What will be the output of the following expression? <b>24//6%3 , 24//4//2 , 48//3//4</b> a)(1,3,4)    b)(0,3,4)    c)(1,12,Error)    d)(1,3,#error)
24	Write the output of following code and explain the difference between a*3 and (a,a,a) <b>a=(1,2,3)</b> <b>print(a*3)</b> <b>print(a,a,a)</b>
25	Identify the invalid Python statement from the following. (a) <b>_b=1</b> (b) <b>__b1= 1</b> (c) <b>b_=1</b> (d) <b>1 = _b</b>
26	Identify the valid arithmetic operator in Python from the following. (a) <b>//</b> (b) <b>&lt;</b> (c) <b>or</b> (d) <b>&lt;&gt;</b>
27	If Statement in Python is ____

	(a) looping statement      (b) selection statement      (c) iterative      (d) sequential
28	Predict the correct output of the following Python statement – <b>print(4 + 3**3/2)</b> (a) 8      (b) 9      (c) 8.0      (d) 17.5
29	Choose the most correct statement among the following – (a) a dictionary is a sequential set of elements (b) a dictionary is a set of key-value pairs (c) a dictionary is a sequential collection of elements key-value pairs (d) a dictionary is a non-sequential collection of elements
30	Consider the string <b>state = "Jharkhand"</b> . Identify the appropriate statement that will display the last five characters of the string state? (a) <b>state [-5:]</b> (b) <b>state [4:]</b> (c) <b>state [:4]</b> (d) <b>state [-4]</b>
31	What will be the output of the following lines of Python code? <b>if not False:</b> <b>print(10)</b> <b>else:</b> <b>print(20)</b> (a) 10      (b) 20      (c) True      (d) False
32	Find error in the following code(if any) and correct code by rewriting code and underline the correction; □ <b>x= int("Enter value of x:")</b> <b>for in range [0,10]:</b> <b>if x=y</b> <b>print( x + y)</b> <b>else:</b> <b>print( x□y)</b>
33	Find output generated by the following code: <b>Str = "Computer"</b> <b>Str = Str[-4:]</b> <b>print(Str*2)</b>
34	Consider the following lines of codes in Python and write the appropriate output: <b>student = {'rollno':1001, 'name':'Akshay', 'age':17}</b> <b>student['name'] = "Abhay"</b> <b>print(student)</b>
35	Find output generated by the following code: <b>string="aabbcc"</b> <b>count=3</b> <b>while True:</b> <b>if string[0]=='a':</b> <b>string=string[2:]</b> <b>elif string[-1]=='b':</b> <b>string=string[:2]</b> <b>else:</b> <b>count+=1</b> <b>break</b> <b>print(string)</b> <b>print(count)</b>

Part-1 Revision tour questions from Preboard papers of last year... Part-2 will be based on random numbers, user defined functions  
Part 3 - PPT on Cyber Safety and security (Summer Holiday HW in 3 parts I have given)...

# FUNCTIONS

## ASSIGNMENTS

Q.1 If return statement is not used inside the function, then what value will be returned by a function.

Q.2 What is the output of the following code?

```
def myfun(*name):  
    print('Hello', name)  
myfun('my', 'school')
```

Q.3 What is the output of the following code?

```
numbers = [4, 5, 6]  
newNumbers = tuple(map(lambda x: x , numbers))  
print(newNumbers)
```

Q.4 Define a function which will find all such numbers which are divisible by 7 but are not a multiple of 5, between 1000 and 3000 (both included)

Q.5 Define the same function of question no 4 where starting and ending number is passed as argument

Q.6 Define a function that accepts a sentence and calculate the number of letters and digits

Q.7 Define a function that accepts a sentence and calculate the number of upper case letters and lower case letters

Q.8 Define a function that can accept two strings as input and concatenate them and then print it in console.

Q.9 Define a function which can generate and print a list where the values are square of numbers between 1 and 20 (both included).

Q.10 With a given tuple (1,2,3,4,5,6,7,8,9,10), define a function to print the first half values in one line and the last half values in one line.

Q.11 What is the output of the below program?

```
def myfunc(a, b=5, c=10):  
    print('a is', a, 'and b is', b, 'and c is', c)  
myfunc(3, 7)  
myfunc(25, c = 24)
```

```
myfunc(c = 50, a = 100)
```

Q.12 What is the output of the below program?

```
x = 150
```

```
def myfunc():
```

```
    global x
```

```
    print('x is', x)
```

```
    x = 2
```

```
    print('Changed global x to', x)
```

```
myfunc()
```

```
print('Value of x is', x)
```

Q.13 What is the difference between a parameter and an argument?

Q.14 Why is using the global statement a bad practice?

Q.15 How can we make a parameter of a function optional?

Q.16 What is the difference between local and global variables?

Q.17 Write a function called my\_buzz that takes a number.

    If the number is divisible by 3, it should return “Fizz”.

    If it is divisible by 5, it should return “Buzz”.

    If it is divisible by both 3 and 5, it should return “FizzBuzz”. Otherwise, same no.

Q.18 Write a function that returns the sum of multiples of 3 and 5 between 0 and limit (parameter)

Q.19 Write a function that prints all the prime numbers between 0 and limit where limit is a parameter.

Q.20 What Is The Output Of The Following Code Snippet?

```
x = 50
```

```
def func():
```

```
    global x
```

```
    print('x is', x)
```

```
    x = 2
```

```
    print('Changed global x to', x)
```

```
func()
print('Value of x is', x)
```

Q. 22 What Is The Output Of The Following Code Snippet?

```
num = 1
def func():
    global num
    num = num + 3
    print(num)
```

```
func()
print(num)
```

Q.23 What Is The Value Of Num After The Function Call?

```
def myfunc(text, num):
    while num > 0:
        num = num - 1
```

```
num=4
myfunc('Hello', num)
```

Q.24 What Is The Output Of The Following Code Snippet?

```
def testvarargs(farg, *args):
    print ("formal arg:", farg)
    for arg in args:
        print ("another arg:", arg)
testvarargs(1, "two", 3)
```

Q.25 What Is The Name Given To That Area Of Memory, Where The System Stores The Parameters And Local Variables Of A Function Call?



Q.26 What Is The Output Of The Following Code Snippet?

```
exp = lambda x: x ** 3  
print(exp(3))
```

Q.27 Write a function func1() such that it can accept a variable length of argument and print all arguments value

Q.28 Create a function that can accept two arguments name and age and print its value

Q.29 Create a function showEmployee() in such a way that it should accept employee name, and it's salary and display both, and if the salary is missing in function call it should show it as 10000

Q.30 Write a function calculation() such that it can accept two variables and calculate the addition and subtraction of it. And also it must return both addition and subtraction in a single return call

Q.31 Predict the output of following python program:

```
r = lambda q: q * 3  
s = lambda q: q * 2  
x = 2  
x = r(x)  
x = s(x)  
x = r(x)  
print x
```

Q.32 Predict the output of following python program:

```
count = 1  
  
def doTask():  
    global count  
    for i in (1, 2, 3):  
        count += 1  
  
doTask()  
  
print (count)
```

**KV ONGC DEHRADUN**

**XII\_F\_ ACCOUNTANCY**

**SUMMER BREAK HOME WORK**

1. Ritesh and Hitesh are childhood friends. Ritesh is a consultant whereas Hitesh is an architect. They contributed equal amounts and purchased a building for 2 crores. After a year, they sold it for 3 crores and shared the profits equally. Are they doing the business in partnership? Give reason in support of your answer.

2. What are the rules applicable in absence of Partnership Deed?

3. Write down the accounting treatment of Interest on capital.

4. write down four items each for the following.

- A ) charge against profit
- B) appropriation of profit

5. Explain the different methods of valuation of goodwill.

6. Harshad and Dhiman are in partnership since 1st April, 2019. No partnership agreement was made. They contributed 4,00,000 and 1,00,000 respectively as capitals. In addition, Harshad had given loan of 1,00,000 to the firm on 1st October, 2019. Due to long illness, Harshad could not participate in business activities from 1st August, 2019 to 30th September, 2019. Profit for the year ended 31st March, 2020 was 1,80,000. Dispute has arisen between Harshad and Dhiman.

*Harshad Claims:*

- (i) He should be given interest @ 10% per annum on capital and loan;
- (ii) Profit should be distributed in the ratio of capital;

*Dhiman Claims:*

- (i) Profits should be distributed equally;
- (ii) He should be allowed 2,000 p.m. as remuneration for the period he managed the business in the absence of Harshad;
- (iii) Interest on Capital and loan should be allowed @ 6% p.a.

You are required to settle the dispute between Harshad and Dhiman.

7. X and Y are partners sharing profits and losses in the ratio of 2: 3 with capitals of 2,00,000 and 3,00,000 respectively. On 1st October, 2019, X and Y gave loans of 80,000 and 40,000 respectively to the firm. Show distribution of profits/losses for the year ended 31st March, 2020 in each of the following\_ alternative cases:

Case 1. If the profits before interest for the year amounted to 21,000.

Case 2. If the profits before interest for the year amounted to 3,000.

Case 3. If the profits before interest for the year amounted to 5,000.

Case 4. If the loss before interest for the year amounted to 1,400.

8. X, Y and Z are partners in a firm sharing profits in the ratio of 2: 2: 1. Fixed capitals of the partners were:

X 5,00,000; Y 5,00,000 and ;z 2,50,000 respectively: The Partnership Deed provides that interest on capital is to be allowed @ 10% p.a. Z is to be allowed a salary of 2,000 per month. Profit of the firm for the year ended 31st March, 2020 after debiting Z's salary was 4,00,000.

Prepare Profit and Loss Appropriation Account.

9 Anita and Ankita are partners sharing profits equally. Their capitals, maintained following Fluctuating Capital Accounts Method, as on 31st March, 2019 were 5,00,000 and 4,00,000 respectively. Partnership Deed provided to allow interest on capital @ 10% p.a. The firm earned net profit of 2,00,000 for the year ended 31st March, 2020.

Pass the Journal entry for interest on capital.

10. X and Y are partners in a firm. X is entitled to a salary of 10,000 per month and commission of 10% of the net profit after partners' salaries but before charging commission. Y is entitled to a salary of 25,000 p.a. and commission of 10% of the net profit after charging all commission and partners' salaries. Net profit before providing for partners' salaries and commission for the year ended 31st March, 2019 was 4,20,000.

Show distribution of profit / Prepare Profit and Loss Appropriation Account.

11. Ram and Mohan, two partners, drew for their personal use 1,20,000 and 80,000. Interest is chargeable @ 6% p.a. on the drawings. What is the amount of interest chargeable from each partner?

12. Calculate interest on drawings of Ashok @ 10% p.a. for the year ended 31st March, 2020, in each of the following alternative cases:

Case 1. If he withdrew 7,500 in the beginning of each quarter.

Case 2. If he withdrew 7,500 at the end of each quarter.

Case 3. If he withdrew 7,500 during the middle of each quarter.

13. Amit and Vijay started a partnership business on 1st April, 2019. Their capital contributions were 2,00,000 and 1,50,000 respectively. The Partnership Deed provided as follows:

(a) Interest on capital be allowed @ 10% p.a.

(b) Amit to get a salary of 2,000 per month and Vijay 3,000 per month.

(c) Profits are to be shared in the ratio of 3: 2.

Net Profit for the year ended 31st March, 2020 was 2, 16,000. Interest on drawings amounted to 2,200 for Amit and 2,500 for Vijay.

Prepare Profit and Loss Appropriation Account.

14. Mita and Usha are partners in a firm sharing profits in the ratio of 2: 3. Their Capital Accounts as on 1st April, 2015 showed balances of 1,40,000 and 1,20,000 respectively. The drawings of Mita and Usha during the year 2015- 16 were 32,000 and 24,000 respectively. Both the amounts were withdrawn on 1st January 2016. It was subsequently found that the following items had been omitted while preparing - the final accounts for the year ended 31st March, 2016:

(a) Interest on Capital @ 6% p.a.

(b) Interest on Drawings @ 6% p.a.

(c) Mita was entitled to a commission of 8,000 for the whole year.

Showing your working clearly, **pass a rectifying entry** in the books of the firm.

15. The partners of a firm, Alia, Bhanu and Chand distributed the profits for the year ended 31st March, 2017, 80,000 in the ratio of 3 : 3 : 2 without providing for the following adjustments:

(a) Alia and Chand were entitled to a salary of 1,500 each per month.

(b) Bhanu was entitled for a commission of 4,000.

(c) Bhanu and Chand had guaranteed a minimum profit of 35,000 p.a. to Alia any deficiency to borne equally by Bhanu and Chand.

Pass the necessary Journal entry for the above adjustments in the books of the firm. Show workings clearly.

16. Calculate the value of firm's goodwill on the basis of one and half years' purchase of the average profit of the last three years. The profit for first year was 1,00,000, profit for the second year was twice the profit of the first year and for the third year profit was one and half times of the profit of the second year.

17. Divya purchased Jyoti's business with effect from 1st April, 2020. Profits shown by Jyoti's business for the last three financial years ended 31st March, were:  
2018 - 1,00,000 (including an abnormal gain of 12,500).  
2019 - 1,25,000 (after charging an abnormal loss of 25,000).  
2020 - 1,12,500 (excluding 12,500 as insurance premium on firm's property-now to be insured).  
**Calculate the value of firm's goodwill** on the basis of two years' purchase of the average profit of the last three years.

18. Average net profit expected in future by XYZ firm is 36,000 per year. Average capital employed in the business by the firm is 2,00,000. The normal rate of return from capital invested in this class of business is 10%. Remuneration of the partners is estimated to be 6,000 p.a. Calculate the value of goodwill on the basis of two years' purchase of super profit.

19. Ayub and Amit are partners in a firm and they admit Jaspal into partnership *w.e.f.* 1st April, 2020. They agreed to value goodwill at 3 years' purchase of Super Profit Method for which they decided to average profit of last 5 years. The profits for the last 5 years were:  
31st March, 2016 1,50,000  
31st March, 2017 1,80,000  
31st March, 2018 1,00,000 (Including abnormal loss of 1,00,000)  
31st March, 2019 2,60,000 (Including abnormal gain (profit) of 40,000)  
31st March, 2020 2,40,000  
The firm has total assets of 20,00,000 and Outside Liabilities of 5,00,000 as on that date. Normal Rate of Return in similar business is 10%.  
**Calculate value of goodwill.**

20. From the following information, **calculate value of goodwill of the firm:**

- (i) At three years' purchase of Average Profit.
- (ii) At three years' purchase of Super Profit.
- (iii) On the basis of Capitalisation of Super Profit.
- (iv) On the basis of Capitalisation of Average Profit.

*Information:*

- (a) Average Capital Employed is 6,00,000.
- (b) Net Profit/(Loss) of the firm for the last three years ended are:  
31st March, 2020-2,00,000,  
31st March, 2019-1,80,000,  
31st March, 2018-1,60,000.
- (c) Normal Rate of Return in similar business is 10%.
- (d) Remuneration of 1,00,000 to partners is to be taken as charge against profit.
- (e) Assets of the firm (excluding goodwill, fictitious assets and non-trade investments) is 7,00,000 whereas Partners' Capital is 6,00,000 and Outside Liabilities 1,00,000.

**Holiday Home Work (2023-24)**  
**(SUMMER BREAK)**  
**Class XII**  
**SUBJECT - English**

***HHW is to be done in the English notebook. Do not use any separate notebook.***  
***G-20 Write up is to be written on a separate ruled sheet.***

1. Solve the reading section of (Unseen passages) mentioned in the pdf attached.
2. Read the 4th chapter (The Enemy) of VISTAS and write the names of characters and its main points in your notebook.
3. Write two job applications, along with detailed bio data- one for the post of a receptionist and another for a marketing manager.
4. Write two notices on following topics:
  - Informing the residents of your society about a Dandiya Night to be organised in the society on the occasion of Navratri. (Invent necessary details)
  - Informing the students about a workshop to raise awareness about the importance of mental health, to be organised in your school. (Invent necessary details)
5. **Read the following information on G-20 and prepare a write up in 5000 words on any one of the following topics:**
  - **The Progress on sustainable Development Goals**
  - **Climate Change and its impact**
  - **Reforms for Multilateral institutions**
  - **Circular Economy and Lifestyle for Environment**
  - **Digitalization of Agriculture /Trade/Skills**
  - **Women at the core of the Development Agenda/Women-led Development**

**The top two papers will then be submitted to the respective Regional Office for further consideration.**

**Subsequently, the Regional Office will evaluate and forward the top two papers to the headquarters for further review. Exceptional papers may receive recognition at the KVS HQ level.**

## **Group of Twenty (G 20)**

# A Reading for Students of Classes IX, X, XI and XII



**Ministry of Education  
Government of India**

## Group of Twenty (G 20)

Learners! You are aware and must have learnt in your Social Science classes how international forum like United Nations Organization (UNO) came into being to bring together and work with nations of the world for peace, development and strengthening relationship and cooperation among the nations and peoples of the world. Some of these organisations are at the global level, they are international and some of them are at the regional level. Why do countries come together to form an organization? Do they have a common cause or interest? Yes. If you have guessed it, you are absolutely right. They come together for a common cause and mutual benefit and understanding, and to make the world a better place to live in. You must have also learnt about Non-Aligned Movement (NAM), South Asian Association of Regional Cooperation (SAARC), European Union and so on. Do you know about G20? How it came into being? Let us explore and learn about G20.

Learners! **Group of Twenty known as G20 is a forum for international economic cooperation.** India has assumed its Presidency on 1<sup>st</sup> December 2022 and will hold it till 30<sup>th</sup> November 2023. It is a proud moment for all in India as citizens and for the countries in Asia and Africa and also for all other countries for India has taken over the G20 Presidency at a crucial period of time in history. It is also apt that India heads the G20 as India is the Fountain Head of Democracy as the first Republic of the world originated in the Ancient India. India is imbedded with the spirit of democracy since more than 3000 years and has been always at the forefront of cooperation. G20 forum gives India the unique opportunity to communicate its democratic ethos to the world.

**The G20 was founded in 1999 after the Asian financial crisis as a forum for the Finance Ministers and Central Bank Governors to discuss global economic and financial issues.** As you are aware that the Central Bank in India is known as the Reserve Bank of India. As a premier forum for international economic cooperation, G20 plays a vital role in shaping and strengthening global architecture and governance on all major international economic issues. G20's role as international forum was recognized through its initiatives for economic and mutual cooperation of member countries and the **Group of Twenty was strengthened and upgraded to the level of Heads of State and during the global financial crisis of 2007** and got designated

as the ‘**premier forum for international economic cooperation**’. This makes G20 truly an international organization for economic cooperation among its member countries.

### Who are G20 members?

G20 comprises 19 countries and an organization of countries known as the European Union as members. The members of G20 are: **Argentina, Australia, Brazil, Canada, China, France, Germany, India, Indonesia, Italy, Japan, Republic of Korea, Mexico, Russia, Saudi Arabia, South Africa, Türkiye, United Kingdom and United States and the European Union**. The countries are from across the world and these members represent around 85% of the global GDP, over 75% of the global trade, and about two-thirds of the world population. This is why G20 is an important organization from the **current economic, political and socio-cultural contexts as every country endeavors to enable themselves to economic develop and be a self-sustaining country in the context of globalization**.



### G20 LOGO

#### Do you know G20 LOGO and its meaning?

G20 LOGO has been designed to convey the essence and indigenous wisdom of India. You can see below as it depicts the overarching vision of human existence *Vasudhaiva Kutumbakam*, **the World is one family**. G20 website [g20.org](http://g20.org) was recently launched by Honorable Prime



Minister of India, Shri Narendra Modi and India took over the official social media handles, including the twitter handle @g20org, from the previous Presidency, Indonesia.



वसुधैव कुटुम्बकम्

ONE EARTH • ONE FAMILY • ONE FUTURE

The G20 Logo has drawn inspiration from the vibrant colours of **India's national flag – saffron, white and green, and blue. It juxtaposes planet Earth with the lotus, India's national flower that reflects growth amid challenges.** Theme affirms the value of all life –human, animal, plant, and microorganisms – and their interconnectedness on the planet Earth and in the wider universe. Further, the LOGO, as you can see, has G 2 with earth in place of zero on the lotus, our national flower. Under which it is written ***Bharath in Hindi 2023 and India in English.*** The inspiring quote from the ancient Sanskrit text, Maha Upanishad, ***Vasudhaiva Kutumbakam - One Earth One Family One future*** illustrates India's message to the world - '**the World is one family**'. ***The need to live together and living with others.*** This G20 theme underscores the need for peaceful co-existence and mutual care. This makes the countries and peoples of the world understand and realize the importance of making a better world for us and our future generations to come.

### **What are G20 agenda?**

If we notice closely the G20 was launched as a forum for economic cooperation focusing majorly on broad macroeconomic issues, but in due course of time and recognizing the need it has expanded its agenda and includes **trade, climate change, sustainable development, health, agriculture, energy, environment, and anti-corruption.** The agenda and mandate of G20 now addresses the needs of the current times in order to deliberate on and benefit its members.



### How does G20 Presidency steer the G 20 Agenda?

The G20 consists of two parallel tracks: the **Finance Track** and the **Sherpa Track**.

Finance Ministers and Central Bank Governors lead the Finance Track

Sherpas lead the **Sherpa Track** after Finance Track.

A Sherpa is the representative of a Head of State or Head of Government who prepares an international summit. The name is derived from the Sherpa people, a Nepalese ethnic community, who serve as guides in the Himalayas. That is why the name here.

Within the two tracks, there are thematically oriented working groups represented from the relevant ministries of the members as well as from guest countries and invited international organizations.

These working groups meet regularly throughout the term of each Presidency. The Sherpas oversee negotiations over the course of the year, discussing agenda items for the Summit and coordinating the substantive work of the G20.

There are also Engagement Groups which bring together civil societies, parliamentarians, think tanks, women, youth, labour, businesses and researchers of the G20 countries.

### **Life Style For Environment (LiFE)**

One of the themes in the G20 Agenda is the concept of LiFE (Life Style For Environment) with the aim of living in harmony with nature for a sustainable living. The idea was enunciated by our

Prime Minister Shri Narendra Modi at Glasgow in the Conference of Parties (CoP 26) in 2021. We are aware that the environmental degradation is affecting the lives of people in every region. LiFE envisages a way of living which respects nature and other organisms co-exist with us, the humans for a greener and cleaner earth.

### **What are G20 Initiatives and Activities?**

G20 brings together the world’s major developed and developing economies, making it a premier forum for international economic cooperation. Let us understand this a bit more. This is a forum which binds the developed and developing economies in order to mutually benefit from one another. In a way this forum attempts to reduce the inequality and disparity among the world economies.

Government of India has initiated many activities, events across the country during its presidency. A key element will be taking the G20 closer to the public and making it truly a **‘People’s G20’**. To realize this, citizen engagement and large scale public participation through various **Jan Bhagidari** activities are planned throughout the year. India will host over 200 meetings in over 50 cities across 32 different work streams, and would have the opportunity to offer G20 delegates and guests a glimpse of India’s rich cultural heritage and provide them with a unique Indian experience. The Hornbill Festival in held in Kohima during December 2022 when India took over the Presidency of G20 featured a special focus on G20. One hundred monuments, including some UNESCO world heritage sites were illuminated and citizens were invited to join a selfie campaign on MyGov around these illuminated monuments.

### **Some Countries and International Organizations are invited as Guests to the G20 Summits and meetings. Here are the countries.**

#### **Guest Countries**



**International Organizations invited as Guests**

United Nations, International Monetary Fund (IMF), World Bank (WB), World Health Organization (WHO), World Trade Organization (WTO), International Labour Organization (ILO), Financial Stability Board (FSB) Organization for Economic Co-operation and Development (OECD) and many more regional organizations like the Asian Development Bank (ADB).

**What are the activities for students?**

There are many activities and events for school and university students. Some activities have already been launched / started. Here are the activities:

- General awareness Quiz on G20
- Life Style for Environment (LiFFE) Quiz
- Slogan Writing Competition on G20

These two quizzes and the slogan writing completion are available on <https://quiz.mygov.in>

- Exhibition of best practices of technology enabled activities (Augmented Reality (AR) and Virtual Reality (VR) exhibition for school students.
- Science Exhibitions

Many more activities for school students to participate and contribute to make the G20 closer to students, teachers and people as a whole. Learners, you can refer to the dedicated G20 website [g20.org](http://g20.org) and from Ministry of Education, Government of India's website and also from NCERT website.

**Learners we have learnt about G20, its purposes, activities and how India's presidency has proposed many activities for all to participate and contribute. Now try the following questions based on your reading on G20.**

1. How do you think India can benefit from its G20 Presidency?
2. What can India offer to the G20 countries as its President?
3. As a student write a letter to the Prime Minister of India suggesting him an important idea, point or action for school students in the G20 agenda for G20 and other countries?
4. What would you suggest for a greener and cleaner environment to G20 countries and their leaders?

### Holiday H.W(Biology) for Class XII - B

Q1. Draw a neat labelled diagram of Microsporangium & Megasporangium and explain them.

Q2. What is pollination? Write about different kinds of Pollination & Agents of Pollination.

Q3. What is meant by Emasculation ? When and Why does a plant breeder employ this technique?

Q4. Define- (i) False Fruits (ii) Apomixis (iii) Polyembryony (iv) Endosperm

Q5. With a neat diagram, Explain Double fertilisation.

Q6. Draw and explain the structure of-

(i) Male reproductive system

(ii) Female reproductive system

Q7. Explain Fertilisation and Implantation.

Q8. Explain Pregnancy and embryonic development.

Q9. What is MTP? In which year it was legalized and enacted (after amendment) in India? What were the grounds for enacting MTP in India.

Q10. Write short notes on the following -

(1) Vasectomy (2) Tubectomy. (3) STIs. (4) Amniocentesis. ((5) in - vitro fertilization (6) in - Vivo fertilisation

### EXEMPLER QUESTIONS

**1. Among the terms listed below, those that are not technically correct**

**names for a floral whorl are:**

i. Androecium

ii. Carpel

iii. Corolla

iv. Sepal

(a) i and iv, (b) iii and iv (c) ii and iv (d) i and ii.

**2. The embryo sac is to ovule as \_\_\_\_\_ is to an anther.**

a. Stamen

b. Filament

c. Pollen grain

d. Androecium

**3. In a typically complete, bisexual and hypogynous flower, the arrangement of floral whorls on the thalamus from the outermost to the innermost is:**

- a. Calyx, corolla, androecium and gynoecium
- b. Calyx, corolla, gynoecium and androecium
- c. Gynoecium, androecium, corolla and calyx
- d. Androecium, gynoecium, corolla and calyx

**4. A dicotyledonous plant bears flowers but never produces fruits and seeds. The most probable cause for the above situation is:**

- a. The plant is dioecious and bears only pistillate flowers
- b. The plant is dioecious and bears both pistillate and staminate flowers
- c. The plant is monoecious
- d. The plant is dioecious and bears only staminate flowers.

**5. The outermost and innermost wall layers of microsporangium in an anther are, respectively:**

- a. Endothecium and tapetum
- b. Epidermis and endodermis
- c. Epidermis and middle layer
- d. Epidermis and tapetum

**6. Spermiation is the process of the release of sperms from:**

- a. Seminiferous tubules
- b. Vas deferens
- c. Epididymis
- d. Prostate gland

**7. Mature Graafian follicle is generally present in the ovary of a healthy human female around:**

- a. 5 – 8 day of the menstrual cycle
- b. 11 – 17 day of the menstrual cycle
- c. 18 – 23 day of the menstrual cycle
- d. 24 – 28 day of the menstrual cycle

**8 . The acrosomal reaction of the sperm occurs due to:**

- a. Its contact with zona pellucida of the ova
- b. Reactions within the uterine environment of the female
- c. Reactions within the epididymal environment of the male
- d. Androgens produced in the uterus

**9. Which one of the following is not a male accessory gland?**

- a. Seminal vesicle
- b. Ampulla
- c. Prostate
- d. Bulbourethral gland

**10. The spermatogonia undergo division to produce sperms by the process of spermatogenesis. Choose the correct one with reference to the above.**

- a. Spermatogonia have 46 chromosomes and always undergo meiotic cell division
- b. Primary spermatocytes divide by mitotic cell division
- c. Secondary spermatocytes have 23 chromosomes and undergo second meiotic division
- d. Spermatozoa are transformed into spermatids

**11. From the sexually transmitted diseases mentioned below, identify the one which does not specifically affect the sex organs:**

- a. Syphilis
- b. AIDS

- c. Gonorrhoea
- d. Genital warts

**12. Condoms are one of the most popular contraceptives because of the following reasons:**

- a. These are effective barriers for insemination
- b. They do not interfere with coital act
- c. These help in reducing the risk of STDs
- d. All of the above

**13. Choose the correct statement regarding the ZIFT procedure:**

- a. Ova collected from a female donor are transferred to the fallopian tube to facilitate zygote formation.
- b. A zygote is collected from a female donor and transferred to the fallopian tube
- c. A zygote is collected from a female donor and transferred to the uterus
- d. Ova collected from a female donor and transferred to the uterus

**14. The correct surgical procedure as a contraceptive method is:**

- a. Ovariectomy
- b. Hysterectomy
- c. Vasectomy
- d. Castration

**15. Diaphragms are contraceptive devices used by females. Choose the correct option from the statements given below:**

- i. They are introduced into the uterus
  - ii. They are placed to cover the cervical region
  - iii. They act as physical barriers for sperm entry
  - iv. They act as spermicidal agents
- (a) I and ii, (b) I and iii, (c) ii and iii, (d) iii & iv





**KV ONGC DEHRADUN**  
**HOLIDAY HOME WORK (2023-24)**  
**BUSINESS STUDIES XII-E**

**1. Project File**

**2. Ans the following questions.**

**Chapter-1**

- 1.1 Meaning Of Management**
- 1.2 Efficiency and Effectiveness**
- 1.3 Objectives of management**
- 1.4 Management; Both Science and Art**
- 1.5 Coordination: The Essence of Management**

**Chapter -2**

- 2.1 Meaning Of Principles Of Management.**
- 2.2 Fayol's Principles Of Management**
  - (i) Division of Work.**
  - (ii) Authority and Responsibility.**
  - (iii) Unity of Command.**
  - (iv) Unity of Direction**
  - (v) Centralization and Decentralization.**
  - (vi) Principle of Scalar Chain**
  - (vii) Principle of Order**
- 2.3 Scientific Principles of Management**
  - (i) Science, not rule of thumb.**
  - (ii) Harmony, not discord.**
  - (iii) Cooperation not individualism**
- 2.4 Scientific Techniques of Taylor**
  - (i) Functional foremanship.**
  - (ii) Work study**
  - (iii) Differential piece wage system.**
  - (iv) Mental revolution.**

**Chapter -3**

- 3.1 Meaning Of Business Environment**
- 3.2 Explain the following dimensions of Business Environment.**
  - (i) (i) Economical Environment**
  - (ii) Social Environment**
  - (iii) Political Environment.**
  - (iv) Legal Environment.**
  - (v) Technological Environment.**
- 3.3 Demonetisation and Features of Demonetisation**

**3. Solve the following Case Studies.**

**Chapter -1**

- 1.1 Success of dubbawala (who carry tiffins to offices) of Mumbai is example of which aspect of management? Explain the importance of that aspect.**
- 1.2 "An organisation is a collection of diverse individuals with different needs." Which characteristics of management are highlighted in this statement?**

**1.3 "Management is the life giving element in every business, without it the resources of production remain resources and shall never become production."  
Comment.**

**1.4 Name the level of management engaged in:**

- (i) Selection of employees**
- (ii) Introducing new products**
- (iii) Design a suitable advertisement: campaign to sell a new product**
- (iv) Framing the capital structure of the company**

**1.5 Name the function of management:**

**Ans.**

- (i) Finding out deficiencies in implementation of plans.**
- (ii) Establishing authority responsibility relationship between superior and subordinates.**
- (iii) Instructing and ordering employees.**
- (iv) Deciding policies, procedures, objectives of an organisation.**

**Chapter -2**

**Mention the principle of management applicable in following situations,**

<b>Sr.</b>	<b>Situation</b>	<b>Name of the Principle</b>
<b>1.</b>	<b>It is necessary that adequate authority should be given to discharge the responsibility.</b>	
<b>2.</b>	<b>There should not be frequent shifting or termination of employees.</b>	
<b>3.</b>	<b>To determine the best method of performing each task</b>	
<b>4.</b>	<b>It is a shorter route and has been provided so that communication is not delayed</b>	
<b>5.</b>	<b>This principle suggests that work should be assigned to a person for which he is best suited</b>	
<b>6.</b>	<b>Close cooperation between management and labour to ensure that work is carried out in accordance with the plans</b>	
<b>7.</b>	<b>In small concerns, a single manager can supervise the work of the subordinates easily, while in a big organisation, control is divided among a number of persons.</b>	
<b>8.</b>	<b>Employees should be encouraged to develop and carry out their plans for improvements</b>	
<b>9.</b>	<b>Scientific training and development of workers so as to achieve the highest level of efficiency</b>	
<b>10.</b>	<b>"A place for everything (everyone) and everything (everyone) in its place.</b>	
<b>11.</b>	<b>Each group of activities having the same objective must have one head and one plan.</b>	
<b>12.</b>	<b>In Japanese companies there is complete openness between management and workers.</b>	

**Chapter -3.**

**3.1 Even after opening up of Indian Economy, foreign companies found it extremely difficult to cut through the bureaucratic and red tapism in government offices. This discourages them from investing in India**

**Identify the dimension of environment mentioned in the above para.**

**3.2 Just after the declaration of Lok Sabha Elections in 2014, the Bombay Stock Exchange Index rose by 1000 points.**

**Identify the dimension of business environment**

**3.3 Which component of business environment requires that in every packet of cigarette there, must be a horrified picture and a statutory warning.**

**3.4 Identify the type of dimension of environment to the following are related:**

**Ans.**

**Banks reduce the interest rate on house loans.**

**No. of working women is increasing.**

**Reservation of Tickets by Internet.**

**Prohibition of alcohol beverages to be advertised.**

**Winning of Aam Admi Party has built up confidence in economically weaker section people.**

H.H.W. (Summer vacation)  
23-24

Class - XII

Sub - Chemistry.

1. Chapter 1 - Solution

(a) Do Exemplar Q. No - 37, 42, (51-54), 58, 59, 62

(b) Do NCERT Q. No - 18, 20, 22, 33, 41

2. Chapter - 2 - Electrochemistry.

(a) Do Exemplar Q. No - 29, 33, 37, 42, 45, 49, (56-65)  
67.

(b) Do NCERT Q. No - In-text - 7, 9, 10, 12, 13, 15  
Exercise - 6, 9

3. Learn salt analysis test for

Cation -  $\text{NH}_4^+$ ,  $\text{Pb}^{2+}$ ,  $\text{Al}^{3+}$ ,  $\text{Ba}^{2+}$ ,  $\text{Mg}^{2+}$ .

Anion -  $\text{CO}_3^{2-}$ ,  $\text{SO}_4^{2-}$ ,  $\text{NO}_3^-$ ,  $\text{Cl}^-$ ,  $\text{CH}_3\text{COO}^-$

————— X —————

**English (12D,E)**  
**SUMMER VACATION**  
**HOLIDAY HOMEWORK 2023**

- 1.** Read all the chapters of both the books carefully (as per the syllabus).
- 2.** Complete the written work (including the extra question answers) of all the chapters completed in the class of both the books.
- 3.** Write a letter to the editor –
  - i. Unannounced power cuts in your locality.
  - ii. Need for increasing answers for child rights and abolish of child labour.
  - iii. problem of eve-teasing
- 4.** Write a letter of complaint to the shop owner /Dealer
  - i. Defective television Set.
  - ii. Defective Sports Item (needed for the school K.V. O.N.G.C.).
- 5.** Write a Notice For –
  - i. Blood Donation Camp
  - ii. Inter school Football Match
  - iii. Meeting Of Student Council With The Pricinpal.
  - iv. Educational Tour To Mysore.
- 6.** Attempt at least 4 unseen passages for comprehension with solution. (atleast 2 should be analytical passages)

**7.** Read any book of your choice and write its review.(List of books suggested is shared on the class whatsapp group)

**8.** Write a report on-

- i. Book fair organized in your school recently.
- ii. Cluster level Social Science Exhibition hosted by your school.

**9.** Read at least two Eng. newspapers daily, either “The Hindu/Hindustan times” or “Indian Express”. Pay attention to the writing skills covered in the newspaper which are in your XII syllabus.

**10.** Suggested topics for ASL will be shared on the class Eng. group. You are free to prepare any topic for 2 minutes presentation.

11. Prepare a project file on the topic “life of children in slum area”/ “child labour in your city”

KENDRIYA VIDYALAYA ONGC  
HOLIDAY HOME WORK  
ECONOMICS

A

- . PROJECT- 1 Govt budget  
2. Monetary policy  
3. Balance of payment  
4. Indian agriculture on the eve of  
independence  
or any other topic mentioned in syllabus

B.

NATIONAL INCOME. - NUMERICALS (PDF GIVEN)

1. Value added method
2. Income method
3. Expenditure method
- 4.
5. C. Suggested book list (on school website) for  
Reading and Review



## Geography Holiday H.W

map work (10 marks)

- # On the political map of the world show the following ↴
1. Fig 4.2 (Primary activity), area of subsistence gathering
  2. On the political map of world show the following
    - Fig 4.4 (Primary activity)
    - Nomading herding
  3. On the political map of world show the - commercial livestock (Fig 4.6) Primary activity.
  4. On the political map of the world show the Extensive grain farming (Fig 4.12)
  5. On the political map of the world show the mixed farming (Fig 4.14)

# On the political map of the world show the following sea ports -

- (i) North Cap
- (ii) London
- (iii) Hamburg
- (iv) Vancouver (no)
- (v) San Francisco
- (vi) New Orleans
- (vii) Rio - de - Janeiro
- (viii) Cochin
- (ix) Val Pariso
- (x) Suez
- (xi) Cape town
- (xii) Yoko hama
- (xiii) Shanghai
- (xiv) Hong Kong
- (xv) Aden
- (xvi) Karachi

From chapter -  
(Transport & seaport)

On the political map of the world mark the following airports -

- (i) Tokyo
- (ii) Beijing
- (iii) Jeddha
- (iv) Aden
- (v) Johannesburg
- (vi) Nairobi
- (vii) Moscow
- (viii) London
- (ix) Paris
- (x) Berlin
- (xi) Chicago
- (xii) New Orleans
- (xiii) Mexico city
- (xiv) Buenos aires
- (xv) Santiago
- (xvi)

On the political map of India show the following

- (Bihar) (i) Which state has highest density of population
- (AP) (ii) lowest density of population
- (UP) (iii) Wheat (highest producer state)
- (WB) (iv) Rice (highest producer state)
- (MH) (v) Cotton (highest producer?)
- (WB) (vi) Jute (highest producer?)
- (UP) (vii) Sugarcane (highest producer)
- (Assam) (viii) Assam Tea (highest producer)
- (Karnataka) (ix) Coffee (highest producer)

On the political map of India mark the air ports & sea ports:

Sea ports

- (i) Kandala (Gujrat)
- (ii) Mumbai
- (iii) Margao (Goa)
- (iv) Kochi (Kerala)
- (v) Mangalore (Karnataka)
- (vi) Tuticorin (Tamil Nadu)
- (vii) Chennai (TN)
- (viii) Vishakhapatnam (Andhra Pradesh)
- (ix) Paradwip (Orissa)
- (x) Haldia (Kolkata)

Exporting iron ore

International air ports

- (i) Ahmedabad
- (ii) Mumbai
- (iii) Bangalore
- (iv) Chennai
- (v) Kolkata
- (vi) Guwahati
- (vii) Delhi
- (viii) Amritsar
- (ix) Thiruvananthapuram
- (x) Hyderabad

केन्द्रीय विद्यालय ओएनजीसी , देहरादून  
ग्रीष्मकालीन अवकाश कार्य

विषय – हिन्दी

कक्षा – 12

बहुविकल्पीय प्रश्न

1. 'एक गीत' कविता में कवि ने समय को कैसा माना है?  
I. स्थिर      II. परिवर्तनशील      III. तीव्र      IV. उग्र
2. "दिन जल्दी-जल्दी ढलता है" कविता में कवि हताश और दुखी क्यों है?  
I. पत्नी से तलाक होने के कारण      II. प्रियतमा की निष्ठुरता के कारण  
III. संतान सुख से वंचित होने के कारण      IV. परिवार से बिछुड़ने के कारण
3. कवि के हृदय में कैसे भाव भरे हुए हैं?  
I. प्रसन्नता      II. उत्साह      III. विह्वलता      IV. घृणा
4. दिन ढलने के साथ ही बच्चे कहाँ से झाँकने लगे होंगे?  
I. खिड़की से      II. छत से      III. दरवाज़े से      IV. नीड़ों से
5. शीघ्र अपने बच्चों के पास पहुँचने की इच्छा चिड़िया की किस क्रिया से प्रकट होती है  
I. चहचहाने से      II. तेज़ उड़ने से  
III. पीड़ा में तड़पने से      IV. जल्दी-जल्दी दाना चुगने से
6. दिन जल्दी-जल्दी ढलता है। गीत में नीड़ों से झाँक रहे बच्चों का ध्यान चिड़ियों के परों में क्या भरता है?  
I. शिथिलता      II. विकलता      III. चंचलता      IV. विह्वलता
7. मुझसे मिलने को कौन विकल? 'दिन जल्दी-जल्दी ढलता है' गीत का यह प्रश्न उर में क्या भरता है?  
I. शिथिलता      II. चंचलता      III. विह्वलता      IV. आश्चर्य
8. "में होऊँ किसके हित चंचल?" दिन जल्दी-जल्दी ढलता है। गीत का यह प्रश्न पैरों को कैसा कर देता है?  
I. चंचल      II. शिथिल      III. विह्वल      IV. उपर्युक्त सभी
9. पथ में होने वाली रात की आशंका से कौन भयभीत रहता है?  
I. प्रेमी      II. तपस्वी      III. थका पंथी      IV. कारीगर
10. 'एकगीत-दिन जल्दी-जल्दी ढलता है' कविता के रचनाकार हैं-  
I. जयशंकर प्रसाद      II. हरिवंशराय बच्चन  
III. रामधारी सिंह दिनकर      IV. सूर्यकांत त्रिपाठी 'निराला'
11. हरिवंशराय बच्चन का जन्म किस सन् में हुआ था?  
I. 1907      II. 1908      III. 1909      IV. 1910
12. हरिवंशराय बच्चन का निधन कहाँ हुआ था?

- I. दिल्ली                      II. मुंबई                      III. कोलकाता                      IV. इलाहाबाद
13. 'मंजिल भी तो है दूर नहीं'- यह विचार किस के मन में आ रहा है?  
I. पंथी के                      II. पर्वतारोही के                      III. सैनिक के                      IV. खिलाड़ी के
14. 'हो जाए न पथ में रात कहीं' सोचकर कौन जल्दी-जल्दी चलता है?  
I. कबूतर                      II. चिड़िया                      III. चिड़िया के बच्चे                      IV. पंथी
15. किसके बच्चे प्रत्याशा में हैं?  
I. बुलबुल के                      II. चिड़िया के                      III. कोयल के                      IV. मैना के
16. 'नीड़' का अर्थ है-  
I. जल                      II. कमल                      III. तालाब                      IV. घोंसला
17. घर जाते हुए कवि के पग शिथिल क्यों हो जाते हैं?  
I. घर पर उसका कोई इंतजार नहीं कर रहा                      II. घर जाकर वह क्या करेगा?  
III. उसे अपने घर जाने की जल्दी नहीं                      IV. उसे अपना घर अच्छा नहीं लगता
18. बच्चों की याद आते ही चिड़िया क्या करती है?  
I. चीं-चीं करती है                      II. तेज़ी से उड़ती है                      III. दाना चुगती है                      IV. पंख फैलाती है

## गद्य – भक्तिन - महादेवी वर्मा

बहुविकल्पीय प्रश्न- सभी प्रश्नों को ध्यानपूर्वक पढ़कर पूछे गए प्रश्नों के उत्तर सही विकल्प चुनकर दीजिए।

1 निम्नलिखित कथनों को ध्यानपूर्वक पढ़िए और सही विकल्प का चयन कीजिए

I. अपने पति के स्नेह के बल पर भक्तिन ने ससुराल वालों से अलगगौझा कर अपना अलग घर बसा लिया।

II. भक्तिन ने अपने केस मुड़ा लिए और सन्यासी बन गई।

(क) दोनों कथन गलत हैं।                      (ख) दोनों कथन सही हैं।

(ग) केवल कथन एक सही है।                      (घ) केवल कथन दो सही हैं।

2 भक्तिन सत्यवादी हरिश्चंद्र क्यों नहीं बन सकी -

(क) वह असत्य नहीं बोलती थी।                      (ख) वह सत्य बोलती थी।

(ग) वह ईमानदार नहीं थी।                      (घ) इनमें से कोई नहीं।

3 निम्नलिखित कथनों को ध्यानपूर्वक पढ़िए और सही विकल्प का चयन कीजिए

(अ) भक्तिन को शहर की हवा नहीं लग पाई बल्कि लेखिका अधिक देहाती हो गई।

(ब) भक्ति अपने परिवार के खर्चों के लिए मटके में पैसे छिपा देती थी।

(क) केवल अ सत्य है                      (ख) केवल ब सत्य है।

(ग) दोनों सत्य नहीं हैं।                      (घ) दोनों सत्य हैं।

4 लेखिका महादेवी वर्मा को ज्ञानपीठ पुरस्कार किस रचना के लिए मिला -

(क) दीपशिखा                      (ख) आपदा।                      (ग) पथ के साथी।                      (घ) यामा।

5 भक्तिन पाठ का अध्ययन कर किन सामाजिक समस्याओं का बोध होता है –

- (क) अनमेल विवाह। (ख) स्त्री के मानवाधिकारों का हनन।  
(ग) बाल विवाह। (घ) उपरोक्त सभी।

6 भक्तिन पाठ के आधार पर बताइए पंचायतों का क्या स्वरूप स्पष्ट होता है-

- (क) पंचायतें निष्पक्ष न्याय करती हैं। ख. दूध का दूध पानी का पानी कर देती हैं।  
ग. गांव पंचायत अच्छी होती हैं। घ. पंचायतें स्वार्थी, लाचार और अयोग्य होती हैं।

7 भक्तिन के असली नाम का नामकरण किसके द्वारा किया गया होगा –

- (क) हॉस्टल की छात्राओं के द्वारा। ख. गाँव की बूढ़ी काकी के द्वारा।  
ग. महादेवी वर्मा द्वारा। घ. उसके माता-पिता द्वारा।

8 निम्नलिखित में से कौन छायावाद का प्रमुख कवि नहीं है –

- (क) मैथिलीशरण गुप्त। ख. जयशंकर प्रसाद।  
ग. सूर्यकांत त्रिपाठी निराला। घ. महादेवी वर्मा।

9 आलो आँधारि की नायिका बेबी हालदार और भक्तिन में क्या समानता थी-

- (क) संघर्षशीलता की। ख. आत्मसम्मान की।  
ग. गरीबी का सामना। घ. उपरोक्त सभी।

10 बहनोई शब्द में कौन सा प्रत्यय है –

- (क) नोई। ख. ई। ग. ओई। घ. इनमें से कोई नहीं।

11 सेवक धर्म में भक्तिन किससे स्पर्धा रखती थी-

- (क) जेठानी से। ख. बेबी हालदार। ग. महादेवी वर्मा से। घ. हनुमान जी से।

12 भक्तिन लेखिका के पैसे कहां छिपा देती थी –

- (क) कमरे में। ख. अलमारी में। ग. तकिया में। घ. मटके में।

13 भक्तिन का मूल नाम क्या था –

- (क) शांति। ख. भूदेवी। ग. लक्ष्मी। घ. पार्वती।

14 भक्तिन की शादी कौन सी वय में कर दी गई थी –

- (क) 13 वर्ष में। ख. 20 वर्ष में। ग. 9 वर्ष में। घ. 5 वर्ष में।

15 अनाम धन्य गोपालिका की कन्या संबोधन किसके लिए प्रयुक्त हुआ है –

- (क) धन की देवी के लिए। ख. महादेवी देवी के लिए।  
ग. भक्तिन देवी के लिए। घ. लेखिका देवी के लिए।

16 भक्तिन ने कितनी लड़कियों को जन्म दिया था –

- (क) 5 को। ख. 3 को। ग. 2 को। घ. 4 को।

17 जीवन के दूसरे अनुच्छेद से क्या आशय है-

- (क) वैवाहिक जीवन का। ख. अवैवाहिक जीवन का।  
ग. सन्यासी जीवन का। घ. मिश्रित जीवन।

18 भक्ति के पुत्र न होने पर उसकी सास द्वारा उपेक्षा प्रकट करने का उचित कारण क्या था –

(क) क्योंकि वह लड़कियों को पसंद नहीं करती थी।

ख. क्योंकि वह स्वयं तीन पुत्रों को जन्म दे चुकी थी।

ग. क्योंकि वह भक्ति से घृणा करती थी।

घ. क्योंकि वह और अधिक लड़कियां चाहती थी।

19 लीक छोड़कर चलने से क्या अभिप्राय है –

(क) पुरानी परंपरा पर चलना।

ख. नए तरीकों को छोड़कर पुरानों पर चलना।

ग. पुराने तरीके से अलग हटकर नए तरीके से चलना।

20 भक्ति ने अपने जीवन का परम कर्तव्य किसे माना है-

(क) अपना जीवन सुधारना।

ख. लेखिका को प्रसन्न रखना।

ग. चोरी करना।

घ. लेखिका का विरोध करना।

## वितान – सिल्वर वैडिंग

1 'सिल्वर वैडिंग' के लेखक कौन है ?

(क) आनंद यादव

(ख) मनोहर श्याम जोशी

(ग) ओम थानवी

(घ) ऐन फ्रैंक

2 मनोहर श्याम जोशी का जन्म कब और कहाँ हुआ ?

(क) सन् 1937, बरेली

(ख) सन् 1945, भोपाल

(ग) सन् 1935, कुमाऊँ

(घ) सन् 1900, बीकानेर

3. लेखक ने किस पत्रिका में सहायक संपादक के रूप में कार्य किया ?

(क) दिनमान

(ख) केसरी

(ग) साप्ताहिक हिंदुस्तान

(घ) प्रजामित्र

4 क्याप के लिए 2005 में लेखक को कौनसा पुरस्कार दिया गया था ?

(क) साहित्य अकादमी पुरस्कार

(ख) सरस्वती सम्मान

(ग) कालीदास सम्मान

(घ) अन्य

5 लेखक का निधन कब और कहाँ हुआ ?

(क) सन् 2001, भोपाल

(ख) सन् 2006, दिल्ली

(ग) सन् 2005, रायपुर

(घ) अन्य

6 यशोधर बाबू ने किस स्कूल से मैट्रिक की परीक्षा पास की थी ?

(क) सरस्वती विद्यालय

(ख) रेम्जे स्कूल, अल्मोड़ा

(ग) शिष्यगण विद्यालय

(घ) अन्य

7 यशोधर पंत जब दिल्ली आए थे तब उन्हें नौकरी किसने दिलवाई ?

(क) किशनदा ने

(ख) शर्मा ने

(ग) किसी ने नहीं

(घ) अन्य

8. यशोधर बाबू का विवाह कब हुआ था ?

क. 6 फरवरी, 1947

ख. . 6 फरवरी, 1946

ग. 5 फरवरी, 1947

घ. 6 फरवरी, 1945

9 किशनदा ने अपना जीवन किसके नाम कर दिया था ?

(क) परिवार के नाम

(ख) समाज के नाम

(ग) दोस्तों के नाम

(घ) अन्य

10. यशोधर बाबू किस मंत्रालय में काम करते थे ?

(क) वित्त मंत्रालय

(ख) गृह मंत्रालय

(ग) रक्षा मंत्रालय

(घ) खेल मंत्रालय

11. यशोधर बाबू के कितने बेटे थे ?

(क) दो बेटे (ख) तीन बेटे (ग) चार बेटे (घ) इनमें से कोई भी नहीं

12. यशोधर बाबू के बड़े बेटे का नाम क्या था ?

(क) जनार्दन (ख) गिरीश (ग) भूषण (घ) इनमें से कोई भी नहीं

13. किशन दा का पूरा नाम क्या था ?

(क) कृष्ण पांडे (ख) कृष्णानंद पांडे (ग) किशन पांडे (घ) उक्त में से कोई भी नहीं

14. यशोधर बाबू की बेटी क्या करना चाहती थी ?

(क) अमेरिका जाकर इंजीनियरिंग की पढाई (ख) अमेरिका जाकर डॉक्टरी की पढाई

(ग) इंग्लैंड जाकर इंजीनियरिंग की पढाई (घ) इंग्लैंड जाकर डॉक्टरी की पढाई

15. यशोधर बाबू के विवाह के पश्चात् उनके क्वार्टर में उनके साथ और कौन रहता था ?

(क) यशोधर बाबू के ताऊ जी (ख) यशोधर बाबू के पिताजी

(ग) यशोधर बाबू के चाचा जी (घ) उपरोक्त में से कोई भी नहीं

16. यशोधर बाबू का व्यक्तित्व किससे प्रभावित था ?

(क) किशनदा से (ख) अपने ताऊ जी से (ग) अपने पिताजी से (घ) उपरोक्त में से कोई भी नहीं

17. यशोधर बाबू की पत्नी उनसे नाराज क्यों रहती थी ?

(क) विवाह के पश्चात् संयुक्त परिवार में रहने के कारण (ख) विवाह के पश्चात् बंदिशों के कारण

(ग) नवविवाहिता पर पुराने नियम लागू होने के कारण (घ) उपरोक्त सभी

18. आप 'सिल्वर वैडिंग' कहानी की मूल संवेदना किसे कहेंगे ?

(क) हाशिए पर धकेले जाते मानवीय मूल्य (ख) पीढ़ी का अंतराल

(ग) पाश्चात्य संस्कृति का प्रभाव (घ) उपरोक्त में से कोई भी नहीं

19. यशोधर बाबू के बेटे भूषण ने उन्हें उनकी शादी की 25 वीं वर्षगाँठ पर क्या उपहार दिया ?

(क) कुर्ता पजामा (ख) ऊनी ड्रेसिंग गाउन (ग) आधुनिक घड़ी (घ) इनमें से कुछ भी नहीं

20. यशोधर बाबू कहाँ के रहने वाले हैं ?

(क) कुमाऊँ प्रदेश (ख) गढ़वाल प्रदेश (ग) पंजाब (घ) उपरोक्त में से कोई भी नहीं

21. यशोधर बाबू स्वयं को डेमोक्रेटिक कैसे समझते हैं ?

(क) वह अपने नियम परिवार में लागू नहीं करते। (ख) सभी को पूर्ण स्वतंत्रता प्रदान की है।

(ग) बेटा बेटी सभी को समान मानते हैं (घ) उपरोक्त सभी

22. कहानी में "जो हुआ होगा" इस जुमले में कौनसा भाव निहित है ?

(क) यथास्थितिवाद यानि ज्यों का त्यों स्वीकार कर लेने का भाव (ख) अनिर्णय की स्थिति

(ग) द्वंद्व का भाव (घ) उपरोक्त सभी

23. कहानी में "समहाउ इम्प्रापर" इस जुमले में कौनसा भाव निहित है ?

(क) यथास्थितिवाद यानी ज्यों का त्यों स्वीकार कर लेने का भाव (ख) अनिर्णय की स्थिति

(ग) द्वंद्व का भाव (घ) उपरोक्त सभी

24. कहानी में "जो हुआ होगा" और "समहाउ इम्प्रापर" ये दो जुमले, जो कहानी के बीजवाक्य हैं,



कहानी के किस पात्र में बदलाव को असंभव बना देते हैं ?

(क) यशोधर (ख) किशनदा (ग) यशोधर की पत्नी (घ) उपरोक्त सभी

25. यशोधर बाबू बच्चों की तरक्की से खुश होते हुए "समहाउ इम्प्रापर" क्या अनुभव करते हैं ?

(क) वह खुशहाली भी कैसी जो अपनों में परायापन पैदा करे ।  
(ख) अपने बच्चों द्वारा गरीब रिश्तेदारों की उपेक्षा उन्हें नहीं जँचती ।  
(ग) साधारण पुत्र को असाधारण वेतन देने वाली नौकरी समझ नहीं आती ।  
(घ) उपरोक्त सभी

26. यशोधर बाबू की पत्नी मूल संस्कारों से आधुनिक न होते हुए भी आधुनिकता में कैसे ढल गई ?

(क) बच्चों की तरफदारी करने की मातृसुलभ मजबूरी के कारण (ख) वक्त को देखते हुए  
(ग) मन की इच्छा से (घ) उपरोक्त में से कोई भी नहीं

27. 'सिल्वर वेडिंग' कहानी में शादी की वर्षगाँठ थी ?

(क) 20 वीं (ख) 25वीं (ग) 35वीं (घ) 15वीं

28. यशोधर पंत का तीसरा बेटा कहाँ रहता था ?

(क) अमेरिका (ख) रूस (ग) फ्रांस (घ) चीन

29. जनार्दन जोशी कौन थे ?

(क) यशोधर पंत के अधीनस्थ कर्मचारी (ख) यशोधर पंत के पड़ोसी  
(ग) यशोधर पंत के मित्र (घ) यशोधर पंत के बहनोई

30. यशोधर बाबू अपने बीमार बहनोई को देखने कहाँ जाना चाहते थे ?

(क) राजस्थान (ख) इलाहाबाद (ग) अहमदाबाद (घ) पटना

31. यशोधर को जीवन जीने की कला किसने सिखाई ?

(क) किशन दा (ख) श्री टी एन शर्मा (घ) भूषण (घ) वाई. डी. पन्त

32. किशन दा की किस परंपरा को यशोधर ने जीवंत रखा ?

(क) घर में होली गवाना (ख) जन्मदिन मनाना  
(ग) शादी की वर्षगाँठ बनाना (घ) भोज का आयोजन करना

33. भूषण प्रतिमाह कमाता था ?

(क) 2500 रु (ख) 2000 रु (ग) 1500 रु (घ) 1000 रु

34. यशोधर बाबू ऑफिस कैसे जाते थे ?

(क) कार से (ख) स्कूटर से (ग) साइकिल से (घ) पैदल

35. इनमें सिल्वर वेडिंग कहानी के पात्र नहीं हैं ?

(क) यशोधर बाबू (ख) भूषण (ग) किशन दा (घ) रवि दा

36. किशनदा रहते थे ?

(क) पंजाब (ख) दिल्ली (ग) पटना (घ) महाराष्ट्र

37. यशोधर बाबू से किसने सिल्वर वेडिंग की पार्टी के पैसे मांगे ?

(क) चड्ढा ने (ख) भूषण ने (ग) वाई. डी. पंत ने (घ) जनार्दन जोशी ने

38. घर में दूध लाने की जिम्मेदारी किस पर थी ?

(क) भूषण पर (ख) यशोधर पंत की बेटी पर (ग) यशोधर पंत की पत्नी पर (घ) यशोधर पंत पर

39. यशोधर पंत को भाऊ कौन कहता था ?

(क) किशन दा (ख) जनार्दन जोशी (ग) भूषण (घ) वाई. डी. पंत

40. भगवानदास कौन था ?

(क) ऑफिस का चपरासी (ख) ऑफिस का कर्मचारी (ग) ऑफिस का बड़ा बाबू (घ) ऑफिस का अर्दली

41. किशन दा के मानस पुत्र कौन हैं ?

(क) जनार्दन जोशी (ख) भगवान दास (ग) यशोधर पंत (घ) वाई डी पंत

42. 'जनार्दन' शब्द सुनकर यशोधर पंत को किसकी याद आई ?

(क) किशनदा की (ख) भूषण की (ग) अपने बहनोई जनार्दन जोशी की (घ) चड्डा की

43. पाँच बजकर तीस मिनट होने पर ऑफिस की घड़ी बजा रही थी ?

(क) 3.00 (ख) 4.25 (ग) 5.25 (घ) 6.00

44. यशोधर पंत ऑफिस के बाद प्रतिदिन कौन से मंदिर जाते थे ?

(क) बिड़ला मंदिर (ख) योग माया मंदिर (ग) गौरी शंकर मंदिर (घ) अक्षरधाम मंदिर

45. दिल्ली में यशोधर पंत को किसने आश्रय दिया ?

(क) किशन दा (ख) जनार्दन जोशी (ग) वाई. डी. पंत (घ) चड्डा

46. यशोधर पंत की बेटी पढाई कर रही है ?

(क) डॉक्टरी की (ख) इंजीनियरिंग की (ग) बैंक की (घ) एम.बी.ए. की

47. अधीनस्थ कर्मचारियों ने पार्टी के रूप में माँगा ?

(क) चाय (ख) मट्टी (ग) लड्डू (घ) उपर्युक्त सभी

48. भूषण काम करता था ?

(क) विज्ञापन एजेंसी में (ख) पेपर के दफ्तर में (ग) टेलीफोन के दफ्तर में (घ) शिक्षा कार्यालय में

49. माँ की मृत्यु के पश्चात यशोधर पंत किसके पास रहे ?

(क) चाची (ख) बुआ (ग) भाभी (घ) दादी

50. चंद्र दत्त तिवारी कौन थे ?

(क) यशोधर पंत का भानजा (ख) यशोधर पंत का मित्र

(ग) यशोधर पंत का ममेरा भाई (घ) यशोधर पंत का अधीनस्थ कर्मचारी

51. यशोधर बाबू की कितनी बेटियाँ थी ?

(क) एक (ख) दो (ग) तीन (घ) चार

52. शादी की 25वीं सालगिरह किसकी थी ?

(क) किशन दा (ख) चड्डा (ग) यशोधर बाबू (घ) भूषण

53. यशोधर बाबू बार-बार कहा करते थे ?

(क) ओके (ख) गुड बाय (ग) समहाउ इमप्रॉपर (घ) यू कैन गो

54. चूनेदानी कहकर किस का मजाक उड़ाया जाता है ?

(क) घड़ी का (ख) साइकिल का (ग) पोशाक का (घ) चश्मे का

55. रिटायरमेंट के समय यशोधर बाबू का वेतन कितना था ?

क. दो हजार रूपया ख. तीन हजार रूपया ग. डेढ़ हजार रूपया घ. पाँच हजार रूपया

56. यशोधर बाबू साइकिल क्यों चलाते थे ?

क. वह पुराने ख्यालातों के थे ख. उन्हें किसने सलाह दी  
ग. वह फीट रहना चाहते थे घ. वह कार अफ़ोर्ड नहीं कर सकते थे

57. दफ़्तर से लौटते वक्त यशोधर बाबू रोज़ कहाँ जाते थे ?

क. सिनेमा घर ख. दोस्त के घर ग. कहीं नहीं घ. बिड़ला मंदिर

58. बिड़ला मंदिर से यशोधर बाबू कहाँ जाते थे ?

(क) घर (ख) गोल मार्केट (ग) पहाड़गंज (घ) अन्य

59. यशोधर बाबू कितने बजे घर पहुँचते थे ?

क. आठ बजे ख. सात बजे ग. दस बजे घ. अन्य

60. यशोधर बाबू के कितने बच्चे थे ?

क. पाँच ख. तीन ग. चार घ. दो

61. यशोधर बाबू का दूसरा लड़का किसकी तैयारी कर रहा था ?

(क) आई.ए.एस. (ख) मेडिकल की (ग) सी.ए. (घ) अन्य

62. यशोधर बाबू अपनी पत्नी को क्या कहकर उनका मज़ाक उड़ाते थे ?

क. शानयल बुढ़िया ख. चटाई का लँहगा ग. बूढ़ी मुँह मुँहासे, लोग करें तमासे घ. सभी

63. जब यशोधर बाबू का विवाह हुआ तब उनके पास कितने कमरे वाला क्वार्टर था और उसमें कितने परिवार रहा करते थे ?

क. चार कमरे, दो परिवार ख. दो कमरे, तीन परिवार  
ग. तीन कमरे, एक परिवार घ. एक कमरा, एक परिवार

64. यह किसने कहा कि 'जब जिम्मेदारी सर पर पड़ेगी तब सब ठीक हो जायेगा !'

(क) यशोधर बाबू ने (ख) यशोधर बाबू के पिताजी ने (ग) किसनदा ने (घ) अन्य

65. किसनदा सुबह सैर से लौटते वक्त यशोधर बाबू के घर में झाँकते हुए क्या कहते थे ?

क. हैल्दी - वैल्दी एंड वाइज़ ख. शुभ प्रभात ग. यशोधर बाबू घ. अन्य

66. यशोधर बाबू घर के कौन से काम किया करते थे ?

क. दूध लाना ख. राशन लाना ग. सब्ज़ी लाना घ. सभी

67. यशोधर बाबू के घर के बाहर क्या लिखा था ?

क. वाई.डी. पंत ख. पंत विला ग. यशोधर पंत घ. अन्य

68. चंद्रदत्त तिवारी किसमें पास हुआ था ?

क. मेडिकल ख. सी.ए. ग. एस.ए.एस. घ. अन्य

69. यशोधर बाबू की पत्नी के चचेरे भाई का क्या नाम है ?

क. भूषण ख. गिरीश ग. कृष्णा घ. कोई नहीं

70. गिरीश क्या काम करता है ?

क. रसोईया का ख. मार्केटिंग मैनेजर का ग. मजदूर का घ. अन्य

71. किशनदा कितने बजे यशोधर बाबू के घर आते थे ?

क. पाँच ख. चार ग. सात घ. आठ

72. लेखक ने दूरदर्शन के किस धारावाहिक के लिए पटकथा लिखी थी ?

(क) हम लोग (ख) बुनियाद (ग) हमज़ाद (घ) क्याप

73. यशोधर बाबू के मन में किशनदा की क्या छवि थी?

क. घर के विभिन्न रूपों में ख. दफ़्तर में विभिन्न रूपों में  
ग. सुबह की सैर को निकले किशनदा की घ. इनमें से कोई भी नहीं

74. किशनदा की परंपराओं को जीवित रखने की कोशिश में यशोधर बाबू ने किसको नाराज़ किया

क. किशनदा को ख. अपनी पत्नी को ग. अपने बच्चों को घ. ब) और (स) दोनों

75. यशोधर बाबू की पत्नी और बच्चों को उनके घर में किए जाने वाले आयोजनों पर कौन-सी चीज़ें सख्त नापसंद थी ?

क. वक्त की बर्बादी ख. खर्च और होने वाला शोर  
ग. विभिन्न लोगो का घर में आना द. इनमें से कोई नहीं

76. नई पीढ़ी का रवैया पाठ में कैसा है ?

(क) असंवेदनशील (ख) संवेदनशील (ग) सहानुभूतिपूर्ण (घ) सहयोगात्मक

77. कहानी 'सिल्वर वैडिंग' में किशन दा की मृत्यु के संदर्भ में 'जो हुआ होगा' से कहानीकार का क्या तात्पर्य रहा है ?

(क) लेखक मृत्यु से बहुत दुखी है (ख) लेखक को मृत्यु का कारण पता है  
(ग) लेखक मृत्यु के कारण से अपरिचित है (घ) लेखक को मृत्यु से कोई अंतर नहीं पड़ता है।

78. किशोर दा के रिटायर होने पर यशोधर बाबू उनकी सहायता क्यों नहीं कर पाए थे ?

(क) यशोधर बाबू की पत्नी किशन दा से नाराज थी  
(ख) यशोधर बाबू के घर में किशन दा के लिए स्थान का अभाव था  
(ग) यशोधर बाबू का अपना परिवार था जिसे वे नाराज नहीं करना चाहते थे  
(घ) किशन दा को यशोधर बाबू ने अपने घर में स्थान देना चाहा था जिससे किशन दा ने स्वीकार नहीं किया

79. कहानी 'सिल्वर वैडिंग' के अनुसार – "यशोधर बाबू की पत्नी समय के साथ ढल सकने में सफल होती हैं लेकिन यशोधर बाबू असफल रहते हैं।" यशोधर बाबू की असफलता का क्या कारण था ?

(क) किशन दा उन्हें भड़काते थे (ख) पत्नी बच्चों से अधिक प्रेम करती थी  
(ग) पीढ़ी के अंतराल के कारण (घ) वे परिवर्तन को सहजता से स्वीकार नहीं कर पाते थे

80. मकान के विषय में किशनदा की कौनसी उक्ति यशोधर बाबू को जँचती थी ?

(क) अपना मकान होना ही चाहिए (ख) मूरख लोग मकान बनाते हैं, सयाने उनमें रहते हैं  
(ग) सरकारी क्वार्टर सरकारी ही होता है (घ) इनमें से कोई नहीं

हिंदी

ग्रीष्म कालीन अवकाश गृहकार्य(2023 )

कक्षा -बारहवीं

प्रश्न - 1 देश भक्ति या प्रेरणादायक कोई दो कविता लिखिए यह कविता स्वरचित या हिन्दी के प्रसिद्ध कवियों लिखनी व याद करनी है ।

प्रश्न- 2 कोई भी एक प्रेरणादायक पुस्तक पढ़े और उसकी समीक्षा निम्न बिन्दुओं के आधार पर करें:-

i) पुस्तक की प्रस्तावना लिखे।

ii) पुस्तक का सारांश लिखे।

iii) पुस्तक के मुख्य पात्र।

iv) पुस्तक में सबसे अधिक आपको किसने प्रभावित किया और क्यों?

प्रश्न-3 पाठ्य पुस्तक में विद्यमान(अतिरिक्त प्रसिद्ध ) किसी एक कवि /लेखक पर परियोजना कार्य तैयार करें । कवि / लेखक परिचय ,रचनाओं के नाम व रचनाओं का संक्षिप्त परिचय ,पुरस्कार आपके कवि /लेखक के बारे में विचार ,उनकी रचना पर टिप्पणी और उन कवि /लेखक का काल्पनिक साक्षात्कार व अन्य यदि कुछ उचित लगे (A4साइज पेपर में ) कम से कम 25 पृष्ठों में यह कार्य करें ।

प्रश्न-4 वितान पुस्तक के जूझ ,अतीत के दबे पांव दोनों पाठों के बहुवैकल्पिक 30 -30 प्रश्न लिखकर उनके उत्तर भी लिखो ?

प्रश्न -5 परीक्षा-तनाव के कारण व बचने के उपाय या डिजिटल युग और मैं,मैं से किसी एक विषय पर रचनात्मक लेख लिखिए |(शब्द सीमा 120 )

प्रश्न -6 अभिव्यक्ति और माध्यम पुस्तक से पाठ 3,4,5 से 5 -5 बहुविकल्पीय प्रश्न और उत्तर करने है ।

प्रश्न -7 अभी तक जो पढ़ाया है उसे कम से कम 5 बार दोहराएँ |आते ही उसी से प्रश्न पूछे जाएंगे ।

## Homework for summer vacations

### Class XII D

### History

#### **Q1. Mark the following major sites on Map and Write 50 word about each site.**

1. Mature Harappan sites: Harappa, Banawali, Kalibangan, Balakot, Rakhigarhi, Dholavira, Nageshwar, Lothal, Mohenjodaro, Chanhudaro, KotDiji.

2. Mahajanapada and cities: Vajji, Magadha, Kosala, Kuru, Panchala, Gandhara, Avanti, Rajgir, Ujjain, Taxila, Varanasi.

3. Distribution of Ashokan inscriptions: (A) Pillar inscriptions – Sanchi, Topra, Meerut Pillar and Kaushambi.

4. Kingdom of Cholas, Cheras and Pandyas.

5. Important kingdoms and towns:

☐ Kushanas, Shakas, Satavahanas, Vakatakas, Guptas

6. Cities/towns: Mathura, Kanauj, Puhar, Braghukachchha, Shravasti, Rajgir, Vaishali, Varanasi, Vidisha

7. Major Buddhist Sites: Nagarjunakonda, Sanchi, Amaravati, Lumbini, Bharhut, Bodh Gaya, Ajanta.

#### **Q2. Make MCQ based Questions from First Two Chapters.**

## Holidays H.W. (Summer Vacations).

1. Let  $A = \{1, 2, 3, 4\}$ . Let  $R$  be the equivalence relation on  $A \times A$  defined by  $(A, B) R (C, D)$  if  $A + D = B + C$ . Find the equivalence class  $[(1, 3)]$ .
2. Let  $R$  be the relation in the set  $\mathbb{Z}$  of integers given by  $R = \{(A, B) : 2 \text{ divides } A - B\}$ . Show that the relation  $R$  is transitive? Write equivalence class  $[0]$ .
3. Check whether the relation  $R$  in the set  $\mathbb{R}$  of real numbers, defined by  $R = \{(A, B) : 1 + AB > 0\}$  is reflexive, symmetric or transitive.
4. A relation  $R$  in the set of real numbers  $\mathbb{R}$  defined as  $R = \{(a, b) : \sqrt{a} = b\}$  is a function or not. Justify.
5. Show that relation  $R$  in ~~the~~ the set  $\mathbb{R}$  of real numbers defined as  $A = \{(a, b) : a \leq b^2\}$ , is neither reflexive nor symmetric, nor transitive.
6. Let the function  $f : \mathbb{R} \rightarrow \mathbb{R}$  be defined by  $f(x) = \cos x$ , for all  $x \in \mathbb{R}$ , show that  $f$  is neither one-one nor onto.

7. Let  $f: \mathbb{R} \rightarrow \mathbb{R}$  be a function defined by  $f(x) = \frac{1}{2 - \cos x}$ ,  $\forall x \in \mathbb{R}$ . Then

find the range of  $f$ . Also show that whether the function is onto or not.

8. Let  $A = \{1, 2, 3, \dots, n\}$  and  $B = \{a, b\}$ . Then the number of surjective from  $A$  into  $B$  is

(a)  ${}^n P_2$                       (b)  $2^n - 2$                       (c)  $2^n - 1$

(d) None of these.

Also Explain for correct option.

9. Prove that the function  $f: \mathbb{N} \rightarrow \mathbb{N}$ , defined by  $f(x) = x^2 + x + 1$  is one-one but not onto.

10. Find the value  $\tan^{-1} \left( \tan \frac{7\pi}{6} \right)$

11. Find the value of  $\tan^{-1} \left( \tan \frac{5\pi}{6} \right) + \cos^{-1} \left( \cos \frac{13\pi}{6} \right)$ .

12. Find domain of function  $\cos^{-1}(2x-1)$ .

13. Find domain of function  $\sin^{-1}(\sqrt{x-1})$



14. Write the following function in simplest form:

$$\tan^{-1} \frac{\sqrt{1+x^2}-1}{x}, \quad x \neq 0.$$

15. Find Value of  $\sin^{-1} \left[ \sin \left( -\frac{17\pi}{8} \right) \right]$

16. Find Principal value of  $\cos^{-1} [\cos (-680^\circ)]$ .

17. Express  $\tan^{-1} \left( \frac{\cos x}{1-\sin x} \right)$ ,  $-\frac{3\pi}{2} < x < \frac{\pi}{2}$   
in the simplest form.

18. Evaluate:  $\sin^{-1} \left[ \cos \left( \sin^{-1} \left( \frac{\sqrt{3}}{2} \right) \right) \right]$

19. Find domain of the function  
 $y = \sin^{-1}(-x^2)$ .

20. Find value of  $x$  for the equation  
 $\tan^{-1} x - \cot^{-1} x = \tan^{-1} \left( \frac{1}{\sqrt{3}} \right)$ .

21. Find Value of  $\sin(2 \sin^{-1}(0.6))$

22. Show that the function  $f: \mathbb{R} \rightarrow \mathbb{R}$ , is defined by  $f(x) = \frac{1}{x}$  is one-one and onto. Where  $\mathbb{R}$  is set of all non-zero real numbers. Is the result true, if the domain  $\mathbb{R}$ , is replaced by  $\mathbb{N}$  with the co-domain being same as  $\mathbb{R}$ .

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23. Check injectivity and surjectivity of

(i)  $f: \mathbb{N} \rightarrow \mathbb{N}$  given by  $f(x) = x^2$

(ii)  $f: \mathbb{Z} \rightarrow \mathbb{Z}$  given by  $f(x) = x^2$ .

24. Let  $f: \mathbb{N} \rightarrow \mathbb{N}$  be defined by

$$f(x) = \begin{cases} \frac{n+1}{2}, & \text{if } n \text{ is odd} \\ \frac{n}{2}, & \text{if } n \text{ is even} \end{cases}$$

For all  $n \in \mathbb{N}$ , state whether the function  $f$  is bijective. Justify your answer.

25. Write the simplest form of  $\tan^{-1}\left(\frac{x}{\sqrt{a^2-x^2}}\right)$ ,  
 $|x| < a$

26. Write the Principal value of  $\cot^{-1}(-\sqrt{3})$ .

27. Solve :  $\cot^{-1}x + \tan^{-1}8 = \frac{\pi}{2}$  for  $x$ .

28. Find value of  $\tan(\sin^{-1}x)$  in term of  $x$ .

29. Show that  $f: \mathbb{R} \rightarrow \mathbb{R}$  defined by  $f(x) = \frac{x}{x^2+1}$ ,  
 $\forall x \in \mathbb{R}$  is neither one-one  
 nor onto.

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30. If  $\begin{bmatrix} 1 & 2 \\ 2 & 1 \end{bmatrix} \begin{bmatrix} x \\ y \end{bmatrix}$  then find values of  $x$  &  $y$ .

31. If  $A = \begin{bmatrix} 1 & 2 & 2 \\ 2 & 1 & x \\ -2 & 2 & -1 \end{bmatrix}$  is a matrix satisfying  $AA' = 9I$ , find  $x$ .

32. If  $\begin{bmatrix} 1 & 0 & 0 \\ 0 & y & 0 \\ 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} x \\ -1 \\ z \end{bmatrix} = \begin{bmatrix} 1 \\ 2 \\ 1 \end{bmatrix}$ , find  $x+y+z$ .

33. If  $A = \begin{bmatrix} 0 & 3 \\ 2 & -5 \end{bmatrix}$  and  $KA = \begin{bmatrix} 0 & 4a \\ -8 & 5b \end{bmatrix}$   
find the values of  $K$  and  $a$ .

34. If  $\begin{bmatrix} 2 & 1 & 3 \end{bmatrix} \begin{bmatrix} -1 & 0 & -1 \\ -1 & 1 & 0 \\ 0 & 1 & 1 \end{bmatrix} \begin{bmatrix} 1 \\ 0 \\ -1 \end{bmatrix} = A$ ,

Then write the order of the matrix  $A$ .

35. If  $A = \begin{bmatrix} 3 & 1 \\ -1 & 2 \end{bmatrix}$  &  $I = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$ .

find  $K$ , so that  $A^2 = 5A + KI$ .

36. If  $\begin{bmatrix} 2x & 3 \end{bmatrix} \begin{bmatrix} 1 & 2 \\ -3 & 0 \end{bmatrix} \begin{bmatrix} x \\ 8 \end{bmatrix} = 0$ , find the value of  $x$

37. Find matrix  $X$  if :

$$X \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \end{bmatrix} = \begin{bmatrix} -7 & -8 & -9 \\ 2 & 4 & 6 \\ 11 & 10 & 9 \end{bmatrix}$$

38. If  $A = \begin{bmatrix} 2 & 0 & 1 \\ 2 & 1 & 3 \\ 1 & -1 & 0 \end{bmatrix}$ , find  $A^2 - 5A + 4I$

and hence find a matrix  $X$  such that  $A^2 - 5A + 4I + X = 0$ .

39. Express the matrix  $A = \begin{bmatrix} 2 & 4 & -6 \\ 7 & 3 & 5 \\ 1 & -2 & 4 \end{bmatrix}$  as

the sum of a symmetric and skew-symmetric matrix. and verify your result.

40. If  $A = \begin{bmatrix} 3 & 1 \\ -1 & 2 \end{bmatrix}$  show that  $A^2 - 5A + 7I = 0$ .

Hence find  $A^{-1}$ .

41. If  $A = \begin{bmatrix} 0 & 1 & 2 \\ 1 & 2 & 3 \\ 3 & a & 1 \end{bmatrix}$  &  $A^{-1} = \begin{bmatrix} \frac{1}{2} & -\frac{1}{2} & \frac{1}{2} \\ -4 & 3 & c \\ \frac{5}{2} & -\frac{3}{2} & \frac{1}{2} \end{bmatrix}$

Find the value of  $a$  and  $c$ .

42. If  $A = \begin{bmatrix} 3 & -3 & 4 \\ 2 & -3 & 4 \\ 0 & -1 & 1 \end{bmatrix}$  find  $A^{-1}$ .

43. Find the adjoint of the matrix  $A = \begin{bmatrix} -1 & -2 & -2 \\ 2 & 1 & -2 \\ 2 & -2 & 1 \end{bmatrix}$

and hence show that  $A(\text{adj} A) = |A| I_3$ .

44. If the area of the triangle with vertices  $(x, 4)$ ,  $(-2, 4)$  and  $(2, -6)$  is 35 sq units. find  $x$ .

45. Given  $A = \begin{bmatrix} 4 & 2 & 5 \\ 2 & 0 & 3 \\ -1 & 1 & 0 \end{bmatrix}$  write the

value of  $\det.(2A A^{-1})$ .

46. If  $A = \begin{bmatrix} 1 & -2 \\ 2 & 1 \end{bmatrix}$ , Then using  $A^{-1}$ ,

Solve the following system of equations:

$$x - 2y = -1$$

$$2x + y = 2$$

47. If  $A = \begin{bmatrix} 2 & 3 & 4 \\ 1 & -1 & 0 \\ 0 & 1 & 2 \end{bmatrix}$ , find  $A^{-1}$ .

Hence solve the system of eqs:

$$x - y = 3, \quad 2x + 3y + 4z = 17, \quad y + 2z = 7$$

48. Given  $A = \begin{bmatrix} 5 & 0 & 4 \\ 2 & 3 & 2 \\ 1 & 2 & 1 \end{bmatrix}$ ,  $B^{-1} = \begin{bmatrix} 1 & 3 & 3 \\ 1 & 4 & 3 \\ 1 & 3 & 4 \end{bmatrix}$

Compute  $(AB)^{-1}$ .

49. Determine the product:  $\begin{bmatrix} -4 & 4 & 4 \\ -7 & 1 & 3 \\ 5 & -3 & -1 \end{bmatrix} \begin{bmatrix} 1 & -1 & 1 \\ 1 & -2 & -2 \\ 2 & 1 & 3 \end{bmatrix}$

and use it to solve the system of equations:

$$x - y + z = 4, \quad x - 2y - 2z = 9, \quad 2x + y + 3z = 1.$$

50. If  $A = \begin{bmatrix} 2 & 3 & 10 \\ 4 & -6 & 5 \\ 6 & 9 & -20 \end{bmatrix}$  find  $A^{-1}$ .

Using  $A^{-1}$ , solve the system of eqs. -

$$\frac{2}{x} + \frac{3}{y} + \frac{10}{z} = 2; \quad \frac{4}{x} - \frac{6}{y} + \frac{5}{z} = 5;$$

$$\frac{6}{x} + \frac{9}{y} - \frac{20}{z} = -4.$$

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51. If  $A = \begin{bmatrix} 2 & -1 & 1 \\ -1 & 2 & -1 \\ 1 & -1 & 2 \end{bmatrix}$ , then verify that

$$A^3 - 6A^2 + 9A - 4I = 0 \text{ and hence find } A^{-1}.$$

52. If  $C_{ij}$  denotes the cofactor of element  $P_{ij}$  of the matrix  $P = \begin{bmatrix} 1 & -1 & 2 \\ 0 & 2 & -3 \\ 3 & 2 & 4 \end{bmatrix}$ , then

find the value of  $C_{31} \cdot C_{23}$ .

53. Show that the points  $A(a, b+c)$ ,  $B(b, c+a)$ ,  $C(c, a+b)$  are collinear.

54. If  $A = \begin{bmatrix} 2 & \lambda & -3 \\ 0 & 2 & 5 \\ 1 & 1 & 3 \end{bmatrix}$ , then find the

value of  $\lambda$ , for which  $A^{-1}$  exist.

55. If  $A$  is invertible matrix of  $3 \times 3$  and  $|A| = 7$ , then find  $|A^{-1}|$ .

56. Find  $x, y$  and  $z$ , if  $A = \begin{bmatrix} 0 & 2y & z \\ x & y & -z \\ x & -y & z \end{bmatrix}$   
Satisfies  $A' = A^{-1}$

57. If  $A$  is a symmetric matrix and  $B$  is a skew symmetric matrix such that  $A+B = \begin{bmatrix} 2 & 3 \\ 5 & -1 \end{bmatrix}$ , then find  $|AB|$ .

58. Find the equation of line joining  $(1,2)$  and  $(3,6)$  using determinants.

59. If  $A$  is a square matrix of order 3, with  $|A| = 9$ , then write the value of  $|2 \cdot \text{adj } A|$ .

60. Evaluate :

$\cos 15^\circ$	$\sin 15^\circ$
$\sin 75^\circ$	$\cos 75^\circ$

61. If  $A$  is a square matrix of order 2 and  $|A| = 4$ , then find the value of  $|2AA^T|$ , where  $A^T$  is transpose of matrix  $A$ .

62. If  $A = [a_{ij}]$  is a matrix of order  $2 \times 2$ , such that  $|A| = -15$  and  $c_{ij}$  represents the co-factor of  $a_{ij}$ , then find  $a_{21}c_{21} + a_{22}c_{22}$ .

63. If matrix  $\begin{bmatrix} 0 & a & 3 \\ 2 & b & -1 \\ c & 1 & 0 \end{bmatrix}$  is a skew symmetric matrix, then find the value of  $a, b$  and  $c$ .

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Summer Break Holiday Homework 2023-24

Class XII

Physics

Assignment I: Complete the writing work of following experiments in your experiment notebook.

Experiment 1: To determine resistivity of two wires by plotting a graph for potential difference vs current.

Experiment 2: To find the resistance of given wire using meter bridge.


Experiment 3: To verify series or parallel combination of resistances using meter bridge.

Assignment II: Complete the writing work of following activities in your activity notebook.

Activity 1: To assemble a household circuit comprising 3 bulbs, 3 on-off switches, a fuse and power source.

Activity 2: To assemble the component of electric circuit.

Activity 3: To draw the diagram of given open circuit comprising at least a battery, rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram.

  
A.C. Malasi  
(P.T.C. Physics)

Contemporary world politics -

# (Chapter 2) The end of Bipolarity  
- Form 10 mcq's from this chapter.

# What was the soviet system?

# What was the US system?

# What were the causes of disintegration of USSR?

# Make a flow chart of UN (Page No. 85)

# (Page No. 95) cartoon

1. Who is the man shown here in the cartoon?

2. What does the cartoon indicates?

3. What are the meaning of "If the right one don't get you then the left one will"?

# (Page No. 59) cartoon

1. Which two symbols helped in identifying the country?

2. What does the cartoon convey?

3. Who is stoping the dragon & why?

Politics in India since Independence -

# Form 10 mcqs from Chapter 1.

# What were the consequences of partition?

# What were the three challenges of Nation building?

# Write the name of princely states who refused to join in Indian Union? And Why?

# Who imposed Emergency in India & why? Discuss in detail.

# Write the brief biography of the given leaders of India —

- (i) Maulana Abul Kalam Azad
- (ii) Rajkumari Amrit Kaur
- (iii) Dr. B.R. Ambedkar
- (iv) Deen Dayal Upadhyay
- (v) C. C. Rajagopalacharya
- (vi) Sardar Vallabhbhai Patel
- (vii) A.K. Gopalan
- (viii) Lal Bahadur Shastri
- (ix) Ram Manohar Lohiya
- (x) K. Kamraj
- (xi) V.V. Giri