

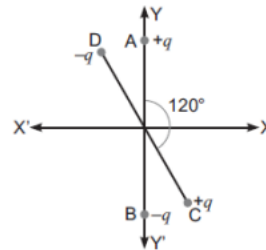
MPVM GANGA GURUKULAM
HOLIDAY HOMEWORK SESSION 2026-27
CLASS XII

SUBJECT	HOMEWORK
<u>English</u>	<p>Holiday Homework</p> <p>Instructions- The holiday homework should be in classwork notebook. English project and art integrated projects must be separate file.</p> <ol style="list-style-type: none"> 1. Write an article for your school magazine in about 120 to 150 words on the topic "Loss of Moral Values over Material Gains." You are Kundan/Kashish. 2. Write a short paragraph on how you are helping your family members during the vacation in 80-100 words. 3. Admission in higher education is becoming increasingly difficult with cut off lists for admission in University and colleges which is constantly rising. Write a letter in about in about 120-150 words to the editor of a national newspaper voicing your concern over the issue. In your letter you should – *Give instances of cutoff list going up, in some cases touching 100% marks. *Say how will it make higher education go beyond the reach of the majority of students who score less. <p>*Suggest what should be done to ensure that the benefits of higher education opportunities reach the maximum number of people.</p> <p>English Project</p> <p style="text-align: center;">Listen to podcasts/interviews/radio or TV documentary on PROBLEMS OF CHILD LABOUR IN INDIA and prepare a report countering or agreeing with the speakers. Write a 800-1000 words report and submit.</p> <p>Art Integrated Project</p> <p>Collect information about the uniqueness of cultural heritage of the states Arunachal and Meghalaya. Paste/Draw relevant pictures and write about them.</p>
<u>Physics</u>	<ol style="list-style-type: none"> 1. Is the force acting between two point charges q_1 and q_2 kept at some distance apart in air attractive or repulsive when i) $q_1 q_2 > 0$ ii) $q_1 q_2 < 0$? 2. If the distance between two equal point charges is doubled and their individual charges are also doubled, what would happen to the force between them ? 3. Do the electrostatic field lines form closed loops? 4. The dielectric constant of water is 80. What is its permittivity? 5. What is meant by the statement that "the electric field of a point charge has spherical symmetry whereas electric field due to an electric dipole is cylindrically symmetrical" ? 6. What is the precaution to be taken in selecting the Gaussian surface , regarding the charge ? 7. For a system of two point charges $+5\mu\text{C}$ and $-3\mu\text{C}$ separated by a distance of d apart , draw electric lines of forces. 8. Two point charges of unknown magnitude and sign are placed some distance apart. The intensity of electric field is zero at a point on the line joining them (i) between them at midpoint of the line joining them (ii) not between them. What do you infer about their sign and magnitude of the two

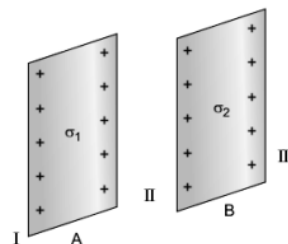
point charges in each case?

9. State two points of difference between charging by induction and charging by conduction .
10. What is the effect of motion on charge q and a mass m of an electron moving with a speed of 10^4 m/s?

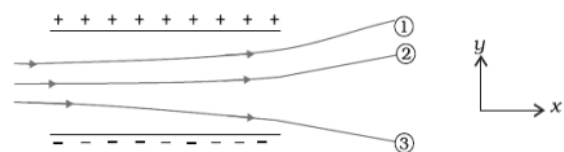
11. Two small identical electrical dipoles AB and CD, each of dipole moment 'p' are kept at an angle of 120° as shown in the figure. What is the resultant dipole moment of this combination? If this system is subjected to electric field () directed along + X direction, what will be the magnitude and direction of the torque acting on this?



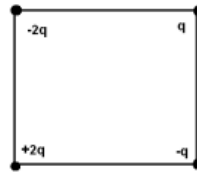
11. i) A point charge (+Q) is kept in the vicinity of uncharged conducting plate. Sketch electric field lines between the charge and the plate. ii) Two infinitely large plane thin parallel sheets having surface charge densities σ_1 and σ_2 , ($\sigma_1 > \sigma_2$) are shown in the figure. Write the magnitudes and directions of the net fields in the regions marked II and III.



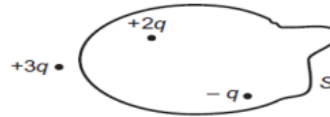
12. The figure below shows tracks of three charged particles in a uniform electro static field. Give the signs of the three charges. Which particle has the highest charge to mass ratio?



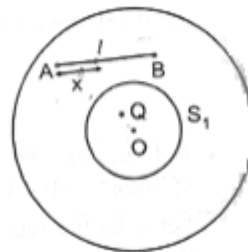
13. Four point charges $q_A = 2 \mu\text{C}$, $q_B = -5 \mu\text{C}$, $q_C = 2 \mu\text{C}$, and $q_D = -5 \mu\text{C}$ are located at the corners of a square ABCD of side 10 cm. What is the force on a charge of $1 \mu\text{C}$ placed at the centre of the square?
14. Four charges of $-2q$, q , $-q$ and $2q$ are at the corners of a square ABCD, of side 20cm, find the magnitude and the direction of the electric field at the centre of the square. Take $q = 5 \mu\text{C}$



15. Figure shows three point charges, $+2q$, $-q$ and $+3q$. Two charges $+2q$ and $-q$ are enclosed within a surface 'S'. What is the electric flux due to this configuration through the surface 'S'?



16. A point charge of $2\mu\text{C}$ is placed at the centre of a cubical Gaussian surface. Calculate the electric flux passing through i) any one face of the cube ii) entire cube.
17. A charge of magnitude Q is divided into two parts q and $(Q-q)$ such that the two parts exert maximum force on each other. Calculate the ratio Q/q .
18. A hollow conducting sphere of radius 8cm is given a charge $16\mu\text{C}$. What is the electric field intensity i) at the centre of the sphere ii) on the outer surface of the sphere and iii) at a distance of 16cm from the centre of the sphere?
19. In the figure shown, calculate the total electric flux of the electric field through the spheres S_1 and S_2 . The wire AB is of linear density λ given by $\lambda = kx$, where x is the distance measured along the wire from the end A .



20. A particle of mass m and charge $(-q)$ enters the region between the two charged plates initially moving along x -axis with speed v_x . The length of plate is L and an uniform electric field E is maintained between the plates. Show that the vertical deflection of the particle at the far edge of the plate is $qEL^2/(2m v_x^2)$.

21. Art integration project in Physics

TOPIC:-

To study of A.C. Generator in context of produce electrical energy from mechanical energy used in Meghalaya and Arunachal Pradesh.

Mathematics

Instructions- The holiday homework must be done on a SEPARATE REGISTER, IT SHOULD NOT BE ON CLASS FAIR NOTE BOOK and art integrated project must be done on a file paper.

1. MATRICES : EX. 3.1, 3.2, 3.3 AND MISCELLANEOUS EX. ON CHAPTER 3 OF NCERT EXEMPLAR BOOK
2. DETERMINANTS : EX. 4.1, 4.3, 4.4, 4.5 AND 4.6
3. RELATIONS AND FUNCTIONS : Do all solved examples of relation and function.

	<p>Art Integration</p> <p>Project- TOPIC :</p> <p>PROBABILITY STATE</p> <p>MEGHALAYA</p> <p>OBJECTIVE : WRITE ABOUT THE LITERATURE AND TEA PRODUCING CENTRES OF MEGHALAYA</p> <p>QUESTION : THERE ARE TWO TEA PRODUCING COMPANIES IN MEGHALAYA WHICH FUNCTION INDEPENDENTLY THE PROBABILITY OF AVAILABILITY OF TEA STOCKS ATTAINED FROM EACH COMPANY WHEN NEEDED IS 0.95, WHAT IS THE PROBABILITY THAT</p> <p>(i) NEITHER OF THEM HAVE TEA STOCKS AVAILABLE WHEN NEEDED. ONE OF THEM IS HAVING AVAILABILITY OF TEA STOCKS WHEN NEEDED.</p>
<p><u>Chemistry</u></p>	<ol style="list-style-type: none"> 1. Prepare a model to show working of fuel cell. (Also prepare flow diagram). 2. Give the reaction takes place at cathode and anode in all types of cell. 3. Write the cell reaction for each type of cell - (charging and discharging reaction) 4. What are the advantages of fuel cell over other electrochemical cells? 5. Mention the different electrolytes used in different electrochemical cell. 6. Prepare a list of 5 soaps and detergents with their concentration terms written in labels and explain the concentration terms used. 7. Solve the questions – given below – <ol style="list-style-type: none"> a. Which colligative property is preferred for the molar mass determination of macromolecules? b. What is the Van't Hoff factor in $K_4 [Fe(CN)_6]$ and $BaCl_2$ c. Determine the osmotic pressure of a solution prepared by dissolving 25 mg of $K_2 SO_4$ in 2 litre of water at $25^\circ C$ assuming that it is completely dissociated.
<p><u>Biology</u></p>	<ol style="list-style-type: none"> 1. Draw diagrams of the following. <ol style="list-style-type: none"> (a) T.S. of mature anther (b) Stages of microspore maturing into a pollen grain (c) Mature embryo sac (d) Anatropous ovule (e) Stages in embryo development in a dicot and monocot (f) Multicarpellary syncarpous ovary and multicarpellary apocarpous ovary (g) Longitudinal Section of flower showing growth of pollen tube (h) Enlarged view of an egg apparatus showing entry of pollen tube into a synergid (i) Discharge of male gametes into a synergid and movements of sperms, one into the egg and the other into the central cell. (j) Structure of seeds - dicot seed, monocot seed(maize), castor seed onion seed (k) False fruits of apple and strawberry

- (l) Fertilised embryosac showing zygote and primary endosperm nucleus(PEN)
- (m) Dicot embryo
- (n) L.S. of an embryo of grass
- (o) Diagrammatic sectional view of a seminiferous tubule (enlarged)
- (p) Human foetus within the uterus
- (q) Ovum surrounded by few sperms

2. Give reason:

- (a) Testes are situated outside the abdominal cavity within a pouch called scrotum.
- (b) Amniocentesis is banned in our country..
- (c) Endosperm development precedes embryo development.

3. Answer the following questions:

- (a) A Papaya plant has a staminate flower. What does it mean?
- (b) How are pollen stored in a pollen bank?
- (c) Continued self pollination lead to inbreeding depression. List four devices to discourage self pollination
- (d) What are the contrivances that favour cross pollination?
- (e) What are the reproductive events in human?
- (f) What are all layers of anther from outside? Write its functions also.
- (g) Describe a range of animals as pollination agents
- (h) What is colostrum? Why is it important for new born babies?.
- (i) What do you mean by stem cells? Where are these found in blastocyst?
- (j) What is placenta? Write its functions.
- (k) What is pollen-pistil interaction? Explain

Business Studies

Do this in your Business Studies notebook. Use headings, diagrams, and examples.

Chapter 1: Nature & Significance of Management

A. Short Answer – 3 marks each

1. Define management. How is it different from administration?
2. Explain any 3 characteristics of management.
3. "Management is both an art and a science." Explain with 2 points each.
4. List any 4 importance of management in modern business.

B. Long Answer – 5 marks

5. Discuss the nature of management as a process, a group activity, and a dynamic function.
6. Explain the objectives of management: organizational, social, and personal, with examples.
7. Levels of management: Explain top, middle, and lower level with roles and give 1 example for each.

C. Application Task

8. Case Study: Aman runs a coaching center with 10 teachers. He sets targets, motivates teachers, coordinates schedules, and controls expenses.
 - a. Identify 3 management functions shown.
 - b. At which level of management is Aman working? Give reason.
9. Interview a small business owner/parent. Note down 3 management activities they do daily and write 5 lines on how it helps their business.

Chapter 2: Principles of Management

A. Short Answer – 3 marks each

1. What are principles of management? State 2 features.
2. Explain 'Unity of Command' and 'Unity of Direction' with an example each.
3. Differentiate between scientific management and principles of management.

	<p>4. What is 'Equity' as a principle of management? Why is it important?</p> <p>B. Long Answer – 5 marks</p> <p>5. Explain any 5 principles of management given by Henry Fayol.</p> <p>6. Describe Taylor's 4 principles of scientific management with examples.</p> <p>7. "Principles of management are flexible, not rigid." Explain with 3 points.</p> <p>C. Practical Task</p> <p>8. Diagram Task: Draw a table comparing Fayol's and Taylor's contributions on basis of focus, approach, and scope.</p> <p>9. Observation: Observe your school/classroom. Identify 2 principles of management being followed and 1 being violated. Write 3 lines on each.</p> <p>10. Role Play Prep: Prepare a 2-min role play as a manager applying 'Discipline' and 'Division of Work' in a shop. Write 3 dialogues for each.</p> <p>Chapter 3: Business Environment</p> <p>A. Short Answer – 3 marks each</p> <p>1. Define business environment. Why is it important to understand it?</p> <p>2. Explain any 3 features of business environment.</p> <p>3. Differentiate between micro and macro environment with 2 points each.</p> <p>4. What is 'Demonetization'? Give 1 impact on business.</p> <p>B. Long Answer – 5 marks</p> <p>5. Explain the components of business environment: Economic, Social, Technological, Political, Legal with 1 example each.</p> <p>6. Discuss how changes in government policy affect business. Give 2 examples from recent years.</p> <p>7. "Business environment is dynamic and uncertain." Explain with examples.</p> <p>C. Application Task</p> <p>8. Current Affairs Task: Cut/clip one news article from newspaper/online about GST, RBI policy, or a new startup policy. Paste it and write 5 lines on how it affects business.</p> <p>9. SWOT Analysis: Do a simple SWOT analysis of a local shop you know – 2 points each for Strength, Weakness, Opportunity, Threat.</p> <p>10. Mind Map: Draw a mind map showing dimensions of business environment.</p> <p>General Instructions</p> <p>1. Write answers in your own words. Avoid copying from NCERT word-to-word.</p> <p>2. Use pencil and ruler for diagrams/tables.</p> <p>3. This homework carries 15 marks for internal assessment.</p> <p>4. Keep it neat. Incomplete or untidy work will not be accepted.</p> <p>"</p>
<p>ACCOUNTANCY</p>	<p>Solve in your Accountancy practical notebook. Show all workings. Use proper formats for Journal, Capital Accounts, and Balance Sheet.</p> <p>Chapter 1: Fundamentals of Partnership</p> <p>A. Theory</p> <p>1. Define partnership. State any 3 features.</p> <p>2. What is a Partnership Deed? Why is it important?</p> <p>3. Distinguish between Fixed and Fluctuating Capital Accounts.</p> <p>4. What is meant by 'Interest on Capital' and 'Interest on Drawings'?</p> <p>B. Practical Problems</p> <p>5. Journal Entries:</p> <p>A and B are partners sharing profit 3:2. On 1.4.2025:</p> <ul style="list-style-type: none"> * A introduced ₹50,000 as capital * B introduced ₹30,000 as capital * Interest on capital @6% p.a. * Interest on drawings: A ₹600, B ₹400 * Salary to A ₹12,000 p.a. * Profit for the year ₹40,000 <p>Pass journal entries and prepare Profit & Loss Appropriation Account.</p>

6. Capital Accounts:

X and Y started a firm on 1.4.2025 with capitals ₹80,000 and ₹60,000 respectively. Profit sharing ratio 2:1. Drawings: X ₹10,000, Y ₹8,000. Interest on capital 5%, interest on drawings 6%. Profit ₹50,000. Prepare Capital Accounts under fluctuating capital method.

Chapter 2: Change in Profit Sharing Ratio

A. Theory – 3 marks

7. What is meant by 'Sacrificing Ratio' and 'Gaining Ratio'?
8. Why is it necessary to adjust goodwill when there is a change in profit sharing ratio?

B. Practical Problems

9. A, B and C are partners sharing 4:3:3. They decide to share profits equally w.e.f. 1.4.2025.

Goodwill of the firm is valued at ₹60,000.

Pass journal entry for adjustment of goodwill. No goodwill account is to appear in books.

10. P and Q share profits 3:2. They admit R and agree to share 2:2:1. Value of goodwill ₹45,000. Old goodwill in books ₹15,000.

Pass necessary journal entries for goodwill adjustment.

Chapter 3: Admission of a Partner

A. Theory – 3 marks

11. State 3 reasons for admission of a partner.
12. What is meant by 'Revaluation of Assets and Liabilities' on admission?
13. How is goodwill treated when a new partner brings his share of goodwill in cash?

B. Practical Problems

14. Basic Admission:

X and Y are partners sharing 3:2. Capital: X ₹60,000, Y ₹40,000.

Z is admitted for 1/5th share, bringing ₹30,000 as capital and ₹10,000 as goodwill in cash.

Revalue assets: Machinery appreciated by ₹5,000, Stock depreciated by ₹2,000.

Pass journal entries and prepare Revaluation A/c, Capital A/cs, and Balance Sheet.

15. Hidden Goodwill Case:

A and B share profits 2:1. Capital: A ₹50,000, B ₹30,000.

C is admitted for 1/4th share by paying ₹25,000 as capital.

New firm values goodwill at ₹24,000.

Pass journal entries assuming C does not bring goodwill in cash.

16. Comprehensive Problem:

M and N are partners sharing 5:3. Balance Sheet as on 31.3.2025:

Liabilities: Creditors ₹20,000; Capitals: M ₹60,000, N ₹40,000.

Assets: Land ₹50,000; Machinery ₹40,000; Stock ₹20,000; Cash ₹10,000.

O is admitted for 1/4th share for ₹30,000 capital and ₹10,000 for goodwill.

Revaluation: Land revalued at ₹60,000, Machinery depreciated by 10%, Stock appreciated by ₹2,000.

Pass journal entries, prepare Revaluation A/c, Partners' Capital A/cs, and new Balance Sheet.

General Instructions

1. Use proper accounting formats. Marks will be deducted for missing narrations and wrong headings.
2. For sums, show working notes clearly.
3. This homework carries 20 marks for internal assessment + practical file.
4. Revise journal entries and formats from NCERT Ch 1-3 before solving.

<p>POLITICAL SCIENCE</p>	<p>1. Prepare a Project Report on Following topics (Each student have to opt at least 2 given topics with word limit 500-600 with photograph.)</p> <ol style="list-style-type: none"> 1. End of bipolarity 2) Alternative centre of power (for ex. BRICS, G -20, CHINA, EUROPEAN UNION) 3) UNITED NATIONS (Security council, UNESCO, UNCEF etc.) 4) Globalisation. 5) National integration in India. 6) Party system in India. 7) NDA -3 AND NDA-4. <p>Prepare a project on ARUNANCHAL PRADESH/ MEGHALAYA with culture, religion, food habits, Festivals, Literary development. (WORD LIMIT 500-600)</p>
<p>HISTORY</p>	<p>Book Name Author Name Book Category Text book Reference Book Subject</p> <p>2. Case study 2 project: Design a Homepage using frames on any one of the following topic: a) Online Shopping website (Art-integration project-choose any website mainly based on Tamil Nadu region, considering their art, culture and attire) b) School website(Art-integration project-choose any school based on Arunachal Pradesh region)</p> <p>Project should be submitted in softcopy first for checking via Classroom.</p>
<p>HINDI</p>	<p>1. Prepare a project on following topics –</p> <ol style="list-style-type: none"> (I) Comparative study of stupas and pillar edicts. (II) global legacy of Gandhian ideas. (III) The revolt of 1857- causes, planning and coordination, leadership, vision of unity. (IV) The vision of kabir. (V) Comparative analysis of the land revenue systems introduced by the Britishers in India. (VI) The architectural culture of the Vijaynagar Empire. (VII) Mahabharata- the great epic of India. (VIII) Buddha Charita. (IX) A Comprehensive history of Jainism. (X) The mystical dimensions of sufism. (XI) The history and legacy of Mauryan empire. (XII) The history and culture of the vedic period. (XIII) Life of women in Mughal rural society. (XIV) An insight into the Indian constitution. <p>2. Prepare a project on Arunanchal Pradesh or Meghalaya (Food, culture, political history).</p> <p>3.Prepare a short Film on Heritage of India dividing it in 5 directions ie.North, South,East, West & Central India.</p>
<p>PHYSICAL EDUCATION</p>	<p>1. Make a stick file To write & Prepare For performing Practically #5 yogic asanas and pranayam for curing several diseases like Obesity, Asthma, Diabetes, Hypertension and Back pain & Arthritis.</p>

	<p># 5 Yoga asanas with Procedure,contraindication and its benefit. # Draw the diagram of Volleyball court on a chart paper and lable it with the measurements and its equipment. #Drwa the knockouts fixture of 27teams.</p> <p>2. #Draw the knockouts fixture of 30 teams with 4 seedings teams on knockout basis.</p>
<p>COMPTUER SCIENCE</p>	<p>Create a small notebook for Holidays homework and do all the questions in it.</p> <p>1. Out of the following, find the identifiers, which cannot be used for naming Variable or Functions in a Python program: [CBSE Delhi 2016] _Cost, Price*Qty, float, switch, Address one, Delete, Number12, do</p> <p>2. Out of the following find those identifiers, which can not be used for naming Variable or Functions in a Python Program: Days * Rent, For, A_price, Grand Total, do, 2Clients, ParticipantI, My city</p> <p>3. Name the function / method required for [CBSE SQP 2015]</p> <ol style="list-style-type: none"> 1. Finding second occurrence of m in madam. 2. get the position of an item in the list. <p>4. Which string method is used to implement the following:</p> <ol style="list-style-type: none"> 1. To count the number of characters in the string. 2. To change the first character of the string in capital letter. 3. To check whether given character is letter or a number. 4. To change lowercase to uppercase letter. 5. Change one character into another character. [CBSE TextBook] <p>5. What is the difference between input() and raw_input()?.</p> <p>6. What are the two ways of output using print()?.</p> <p>7. Why does the expression 2 + 3*4 result in the value 14 and not the value 24?</p> <p>8. How many times will Python execute the code inside the following while loop? You should answer the question without using the interpreter! Justify your answers.</p> <pre>i = 0 while i < 0 and i > 2 : print "Hello ..."</pre> <p>9.How many times will Python execute the code inside the following while loop?</p> <pre>i = 1 while i < 10000 and i > 0 and 1: print " Hello ..."</pre> <p>10. Convert the following for loop into while loop, for i in range (1,100):</p> <pre>if i % 4 == 2 : print i, "mod", 4 , "= 2"</pre> <p>11.Convert the following for loop into while loop.</p> <pre>for i in range(10): for j in range(i): print '\$', print"</pre>

12. Rewrite the following for loop into while loop: [CBSE Text Book]

```
for a in range(25,500,25):  
    print a
```

13. Rewrite the following for loop into while loop: [CBSE Text Book]

```
for a in range(90, 9, -9):  
    print a
```

13. Convert the following while loop into for loop:

```
i = 0  
while i < 100:  
    if i % 2 == 0:  
        print i, "is even"  
    else:  
        print i, "is odd"  
    i = i + 1
```

14. Convert the following while loop into for loop

```
char = ""  
print "Press Tab Enter to stop ..."  
iteration = 0  
while not char == "\t" and not iteration > 99:  
    print "Continue?"  
    char = raw_input()  
    iteration += 1
```

15. Rewrite the following while loop into for loop:

```
i = 10  
while i < 250:  
    print i  
    i = i + 50
```

16. Rewrite the following while loop into for loop:

```
i = 88  
while (i >= 8):  
    print i  
    i = i - 8
```

17. Write for statement to print the series 10,20,30,, 300

18. Write for statement to print the series 105,98,91,... .7

19. Write the while loop to print the series: 5,10,15,...100

20. How many times is the following loop executed? [CBSE Text Book]

```
for a in range(100,10,-10):  
    print a.
```

21. How many times is the following loop executed? [CBSE Text Book]

```
i = 100  
while (i <= 200):  
    print i
```

```
i += 20
```

22. State whether the statement is True or False? No matter the underlying data type if values are equal returns true,

```
char ch1, ch2;  
if (ch1==ch2)  
print "Equal"
```

23. What are the logical operators of Python?

24. What is the difference between '/' and '//' ?

25. How can we import a module in Python?

26. What is the difference between parameters and arguments?

27. What are default arguments?

28. What are keyword arguments?

29. What are the advantages of keyword arguments?

30. What does "in" do?

31. What does "not in" do?

32. What does "slice" do?

33. What is the use of negative indices in slicing?

34. Explain find() function?

35. What are the differences between arrays and lists?

36. What is the difference between a tuple and a list?

37. Carefully observe the following python code and answer the question that follows:

```
x=5  
def func2():  
x=3  
global x  
x=x+1  
print x  
print x
```

38. Explain the output with respect to the scope of the variables.

39. Explain the two strategies employed by Python for memory allocation.

TOPIC – 2 Writing Python Programs

Question 1.

Rewrite the following code in Python after removing all syntax errors(s). Underline each correction done in the code. [CBSE Delhi-2016]

```
for Name in [Amar, Shveta, Parag]  
if Name [0] = 's':  
Print (Name)
```

Question 2.

Rewrite the following code in Python after removing all syntax errors(s). Underline each correction done in the code. [CBSE Outside Delhi-2016]

```
for Name in [Ramesh, Suraj, Priya]  
if Name [0] = 'S':  
Print (Name)
```

Question 3.

What will be the output of the following python code considering the following set of inputs?

```
AMAR  
THREE  
A123
```

1200

Also, explain the try and except used in the code.

```
Start = 0
```

```
while True :
```

```
Try:
```

```
Number = int (raw input ("Enter Number"))
```

```
break
```

```
except ValueError : start=start+2
```

```
print ("Re-enter an integer")
```

```
Print (start)
```

Question 4.

Give the output of following with justification. [CBSE SQP 2015]

```
x = 3
```

```
x+ = x-x
```

```
print x
```

Question 5.

What will be printed, when following Python code is executed? [CBSE SQP 2015]

```
class person:
```

```
def init (self,id):
```

```
self.id = id arjun = person(150)
```

```
arjun. diet ['age'] = 50
```

```
print arjun.age + len(arjun. diet )
```

Justify your answer.

Question 6.

What would be the output of the following code snippets?

```
print 4+9
```

```
print "4+9"
```

Question 7.

Highlight the literals in the following program

and also predict the output. Mention the types of

variables in the program.

```
a=3
```

```
b='1'
```

```
c=a-2
```

```
d=a-c
```

```
e="Kathy"
```

```
f='went to party.'
```

```
g='with Sathy'
```

```
print a,g,e,f,a,g,"",d,g,"",c,g,"and his",e,f
```

Question 8.

What is the result of $4+4/2+2$?

Question 9.

Write the output from the following code: [CBSE Text Book]

```
x= 10
```

```
y = 20
```

```
if (x>y):
```

```
print x+y
```

```
else:
```

```
print x-y
```

Question 10.

Write the output of the following code:

```
print "Python is an \n interpreted \t Language"
```

Question 11.

Write the output from the following code:

```
s = 0
for l in range(10,2,-2):
s+=l
print "sum= ",s
```

Question 12.

Write the output from the following code: [CBSE TextBook]

```
n = 50
i = 5
s = 0
while i<n:
s+ = i
i+ = 10
print "i=",i
print "sum=",s
```

Question 13.

Write the output from the following code: [CBSE TextBook]

```
n = 50
i = 5
s = 0
while i<n:
s+ = i
i+ = 10
print "i=",i
print "sum=",s
```

Question 14.

Observe the following program and answer the question that follows:

```
import random
x = 3
N = random, randint (1, x)
for 1 in range (N):
print 1, '#', 1 + 1
```

- What is the minimum and maximum number of times the loop will execute?
- Find out, which line of output(s) out of (i) to (iv) will not be expected from the program?
 - 0#1
 - 1#2
 - 2#3
 - 3#4

Question 15.

Observe the following Python code carefully and obtain the output, which will appear on the screen after execution of it. [CBSE SQP 2016]

```
def Findoutput ():
L = "earn"
X = " "
count = 1
```

	<pre> for i in L: if i in ['a', 'e', 'i', 'o', 'u']: x = x + 1. Swapcase () else: if (count % 2 != 0): x = x + str (len (L[:count])) else: x = x + 1 count = count + 1 print x Findoutput () </pre>
<p>IP</p>	<ol style="list-style-type: none"> Read the following chapters from text book: <ol style="list-style-type: none"> MySQL SQL Revision Tour Python Revision Tour – II (Lists and Dictionaries) Complete the assignment questions of Chapter 5, MySQL Revision Tour(Page No, 355 to 357) <ol style="list-style-type: none"> How are SQL Commands classified? Question 3(a) to 3(c) Question 4(a) to 4(b) Question 5(a) to 5(c) Question 6(a) to 6(c) How is FOREIGN KEY different form PRIMARY KEY? NOTE: Create all these tables for questions 2(b) to 2(e) in SQL, take the screenshot and paste in file. Submit the printout of your holiday homework.
<p>WEB APPLICATION</p>	<ol style="list-style-type: none"> Design a webpage with the under mentioned criteria: <ol style="list-style-type: none"> Title of the page will be “Entry Form”. Page heading “Book Info Entry Form” will be left aligned, underline using the font Old English Text MT. The colour and size of the font will be Magenta and 4 pixels respectively. Page background will be CYAN and Accession No, Book Name; Author Name will be a text box. All the text boxes will accept maximum 30 characters but only 15 will be displayed in the box. Book Category will be a radio button and subject will be a drop down list includes: English, Physics, Chemistry, JAVA, Mathematics and Web Application as a subject names. STORE and RESET button will be used for storing and cancelling the value of the page. When the STORE button will be clicked a message will be shown as “Book Info Has Been Stored Successfully”. Entry Form Book Info Entry Form Book Accession No

APPLIED MATHS

Art Integration

Project- TOPIC :

PROBABILITY STATE

MEGHALAYA

OBJECTIVE : WRITE ABOUT THE LITERATURE AND TEA PRODUCING CENTRES OF MEGHALAYA

QUESTION : THERE ARE TWO TEA PRODUCING COMPANIES IN MEGHALAYA WHICH FUNCTION INDEPENDENTLY THE PROBABILITY OF AVAILABILITY OF TEA STOCKS ATTAINED FROM EACH COMPANY WHEN NEEDED IS 0.95, WHAT IS THE PROBABILITY THAT

(i) NEITHER OF THEM HAVE TEA STOCKS AVAILABLE WHEN NEEDED.

ONE OF THEM IS HAVING AVAILABILITY OF TEA STOCKS WHEN NEEDED.

LEGAL STUDIES

1. Prepare a Project on Judiciary or Alternative Dispute Resolution (Any one of them).

Or

Critically Examine the Evolution of Tribunals in India.

2, Prepare a project on Arunanchal Pradesh or Meghalaya (Food, culture, political history).

ECONOMICS**XII D**

Student's Name	PROJECT TOPIC
Aardhya Ranjan	National Income and Related Aggregates
Astha Singh	Development experience (1947-90) and Economic Reforms since 1991)
Ananya Tripathi	Money and Banking
Anchal Patel	Determination of income and Employment
Anshika Srivastava	Current challenges facing Indian Economy
Anushka Mishra	Government Budget and the Economy
Apoorv Yudhuvanshi	Development Experience of India-A comparison with neighbours
Aradhya Yadav	Balance of payments
Aviral Shukla	Government budget and its components and Exchange Rate determination -Methods and Techniques
Ishika Pandey	Balance of payments
Kanika Yadav	Sustainable Development Goals(SDG's) and Atmanirbhar Bharat
Mohd. Amaan	Current challenges facing Indian Economy
Nitya Yadav	Government budget and its components and Exchange Rate determination -Methods and Techniques
Pratishtha Yadav	National Income and Related Aggregates

Priyanshi	Balance of payments
Shaurya	Development experience (1947-90) and Economic Reforms since 1991)
Sweksha	National Income and Related Aggregates
Tanisha Yadav	Money and Banking
Vagisha	Development Experience of India-A comparison with neighbours
Shivashish	Disinvestment policy of the government and Role of R.B.I in control of credit
Niranjan Nand Kishore Giri	Current challenges facing Indian Economy

XII C

Student's Name	PROJECT TOPIC
Akshita Agarwal	National Income and Related Aggregates
Akshita Pandey	Development experience (1947-90) and Economic Reforms since 1991)
Anshika Saini	Money and Banking
Dhruvi Pandey	Determination of income and Employment
Ichcha Singh	Current challenges facing Indian Economy
Jayas Mishra	Government Budget and the Economy
Mahima Yadav	Development Experience of India-A comparison with neighbours
Mannat Tripathi	Balance of payments
Nimisha Gupta	National Income and Related Aggregates
Ojas Kumar	Current challenges facing Indian Economy
Palak Bharti	National Income and Related Aggregates
Rishi Mishra	Determination of income and Employment
Shagun Kesharwani	Government budget and its components and Exchange Rate determination -Methods and Techniques
Shivansh Srivastava	National Income and Related Aggregates
Shraddha	Current challenges facing Indian Economy
Siddhi Tiwari	Determination of income and Employment
Yashi Shukla	Money and Banking