SAVITRI DEVI DAV PUBLIC SCHOOL, JAMTARA

CLASS-XI/D (COMMERCE)

XI (ENGLISH)

A1 Artificial intelligence being the latest invention of science will provide new avenues of automation in every aspect of living today as well as employment prospects.

Write an article in about 150 words in support of the above statement.

A 2. Our country has been prone to natural disasters viz. Cyclones, floods, earthquakes etc.which claim great loss of human lives, properties & other invaluable assets every year. In most incidences govt. authorities prove futile managing disasters time to time. Write a letter to the editor of an English Daily sensitizing govt.authorities& public giving suggestions to build strategies for disaster management. (200 words)

A3. After experiencing the celebration of Diwali &Chhathwith your family, prepare a write up outlining the importance of festivals in common lives. (150 words)

A 4. Suppose you are a B.Tech. (l.T.) from a reputed college of engineering. Recently you came across an advertisement in The Times of India for immediate appointment of Computer Personnels in InfosisIndiaLtd. Sect. Vl, Noida (U.P.). Draft a letter to the C.E.O. applying for the post furnishingyour resume with other requisite details.

A5. Apply appropriate tense to the verbs bracketed:

   a) If you had helped me last year, l ....(get) the job.
   b) Eversince l came here, it........(rain).
   c) What ....(do) when l knocked at the door ?
   d) The water in the pond ....(freeze) last night.
   e) Unless you mend your ways, you.....(not succeed).
   f) The workers ....(complete) the work by next week.
   g) The match......(start) as soon as the referee arrives.

A 6. Supply correct modals :

   a) He ....qualify for the job, if he tried.
   b) The news .... be true.
   c) Drive carefully,lest you....... damage the car.
   d) He ....rather resign from the post than to submit to injustice.
   e) ....you do me a favour ?

A7. On the basis of your understanding the ch- A portrait of a lady, prepare a speech to be delivered in your school morning assembly on Importance of nurturing relationship as an essential part of human life. (200 words)

A8 . The ch. Discovering Tut presents a fight between traditional cultural trends and modern scientific practices. In this pretext prepare a debate either for the motion or against the motion on the topic ' Traditions, rituals and funerary practices should be respected.' (150 words)

A 9. Medical supervision & doctors' practical approaches to the incidences of varied illnesses draw a stark distinction. Dr Andrew's practical applications of a past experience survived a new born baby which proved apt to the situation. Share your views about it through an article. (150 words)

A 10. Read the following extracts and answer the questions:
a). ' l give back life to my own origin.'
1. Who speaks the above statement?
2. What origin is referred to here ?
3. How does the speaker give life back to its origin?
4. Name the poem & the poet.
b). ' A sadist, sir, is one who gets pleasure out of giving pain .'
1. Who are the speaker and the listener of the above statement ?
2. Who is referred to as a sadist here ?
3. How does the speaker justify the statement?
4. Does the speaker really mean what he says ?
c). ' l didn't think, he was from those parts as he was wearing a windcheater and metal rimmed spectates of western style.'
1. Name the chapter and the writer.
2. Who is referred to as ' he' in the above statement?
3. Where did the writer meet the person spoken to?
4. How did the writer react to his meeting the person?
A 11. Answer the questions briefly:
a) What is catastrophic theory? How is it applicable to the battle of Panipat?
b) Which three aspects of life are focused in the poem ' Childhood ' and how?
c) Comment on- The author's grandmother was a strong personality.
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XI (APPLIED MATHS)

1. The sums of n terms of two arithmetic progressions are in the ratio $5n + 4 : 9n + 6$. Find the ratio of their 18th terms.

2. If the sum of first p terms of an A.P. is equal to the sum of the first q terms, then find the sum of the first $(p + q)$ terms.

3. Insert five numbers between 8 and 26 such that the resulting sequence is an A.P.

4. If $\frac{a^n + b^n}{a^{n-1} + b^{n-1}}$ is the A.M. between a and b, then find the value of n.

5. Between 1 and 31, m numbers have been inserted in such a way that the resulting sequence is an A. P. and the ratio of 7th and $(m - 1)$th numbers is $5 : 9$. Find the value of m.

6. The difference between any two consecutive interior angles of a polygon is 5°. If the smallest angle is 120° , find the number of the sides of the polygon.

7. The sum of first three terms of a G.P. is 16 and the sum of the next three terms is 128. Determine the first term, the common ratio and the sum to n terms of the G.P.

8. Find the sum to n terms of the sequence, 8, 88, 888, 8888...

9. Find four numbers forming a geometric progression in which the third term is greater than the first term by 9, and the second term is greater than the 4th by 18.

10. The number of bacteria in a certain culture doubles every hour. If there were 30 bacteria present in the culture originally, how many bacteria will be present at the end of 2nd hour, 4th hour and n^{th} hour ?

11. How many 3-digit numbers can be formed from the digits 1, 2, 3, 4 and 5 assuming that

(i) repetition of the digits is allowed?

(ii) repetition of the digits is not allowed?

12. How many 3-digit even numbers can be formed from the digits 1, 2, 3, 4, 5, 6 if the digits can be repeated?

13. Given 5 flags of different colours, how many different signals can be generated if each signal requires the use of 2 flags, one below the other?

14. Find the number of 4-digit numbers that can be formed using the digits 1, 2, 3, 4, 5 if no digit is repeated. How many of these will be even?

15. From a committee of 8 persons, in how many ways can we choose a chairman and a vice chairman assuming one person can not hold more than one position?

16. How many chords can be drawn through 21 points on a circle?

17. In how many ways can a team of 3 boys and 3 girls be selected from 5 boys and 4 girls?

18. Find the number of ways of selecting 9 balls from 6 red balls, 5 white balls and 5 blue balls if each selection consists of 3 balls of each colour.

19. A committee of 7 has to be formed from 9 boys and 4 girls. In how many ways can this be done when the committee consists of: (i) exactly 3 girls ? (ii) atleast 3 girls ? (iii) atmost 3 girls?

20. How many words, with or without meaning, each of 2 vowels and 3 consonants can be formed from the letters of the word DAUGHTER ?

XI (I.P.)

1) Write a program to find maximum of 3 numbers using nested if..else statement
2) Write a program to input age of a person and print message "Eligible to Vote" if age is more than 18 otherwise print message "not eligible to Vote".
3) Differentiate between append() and extend() methods of list.
4) What will be the output of the following statements?

a)	list1 = [12,32,65,26,80,10] list1.sort() print(list1)
b)	list1 = [12,32,65,26,80,10] sorted(list1) print(list1)
c)	list1 = [1,2,3,4,5,6,7,8,9,10] list1[::-2] list1[:3] + list1[3:]
d)	list1 = [1,2,3,4,5] list1[len(list1)-1]

5) What will be the output of the following code segment?

a) myList = [1,2,3,4,5,6,7,8,9,10]

   del myList[3:]

print(myList)

b) myList = [1,2,3,4,5,6,7,8,9,10]

  del myList[:5]

print(myList)

c) myList = [1,2,3,4,5,6,7,8,9,10]

   del myList[::2]

print(myList)

6) Consider a list:
   list1 = [6,7,8,9]
What is the difference between the following operations on list1:
a) lis t1 * 2
b) lis t1 *= 2
c) lis t1 = lis t1 * 2

7) Consider the following dictionary stateCapital:
stateCapital =
{"Assam":"Guwahati","Bihar":"Patna","Maharashtra":"Mumbai","Rajasthan":"Jaipur"}
Find the output of the following statements:

a)	print(stateCapital.get("Bihar"))
b)	print(stateCapital.keys())
c)	print(stateCapital.values())
d)	print(stateCapital.items())
e)	print(len(stateCapital))
f)	print("Maharashtra" in stateCapital)
g)	print(stateCapital.get("Assam"))
h)	del stateCapital["Assam"] print(stateCapital)

XI (P.E)

Q1- Define physical fitness and wellness. Elaborate the importance of physical fitness and wellness in detail.

Q2- Define strength and discuss its types in brief.

Q3- What do you mean by traditional sports and regional games?

Q4- Discuss any five tests used in physical education and sports.

Q5- Discuss the test administration guidelines during tests and after the test.

Q6- What do you mean by anatomy and physiology? Elucidate the importance of anatomy and physiology in the field of physical education and sports.

Q7- What do you mean by skeleton system? Elaborate the freely movable joints in detail.

Q8- Elucidate the classification of bones?

Q9 – State the function of bones?

Q10- Discuss about the structure, location, and function of heart.

XI (ACCOUNTANCY)

1. Rectify the following errors:

  1. Salary paid Rs. 5,000 was debited to employee's personal account.

  2. Rent Paid Rs. 4,000 was posted to landlord's personal account.

  3. Goods withdrawn by proprietor for personal use Rs. 1,000 were debited to sundry expenses account.

  4. Cash received from Kohli Rs. 2,000 was posted to Kapur's account.

5. Cash paid to Babu Rs. 1,500 was posted to Sabu's account.

2. Pass necessary rectification entries

   (a) Credit Sales to Mohan Rs 7,000 were recorded in purchases book.

   (b) Credit Purchases from Rohan Rs 900 were recorded in sales book.

   (c) Goods returned to Rakesh Rs 4,000 were recorded in tothe sales return book.

   (d) Goods returned from Mahesh Rs 1,000 were recorded in purchases return book.

   (e) Goods returned from Nahesh Rs 2,000 were recorded in purchases book.

3. Net sales rs 1500000. Properties 25% on cost. find out the cost of goods sold and gross profit.

4. Rectify the following errors:

   (a) Sales book overcast by Rs 700.q

   (b) Purchases book overcast by Rs 500.

   (c) Sales return book overcast by Rs 300.

   (d) Purchase return book overcast by Rs 200.

5. (a) Sales book undercast by Rs 300.

   (b) Purchases book undercast by Rs 400.

   (c) Return Inwards book undercast by Rs 200.

   (d) Return outwards book undercast by Rs 100.

6. Rectify the following errors and ascertain the amount of difference in trial balance by preparing suspense account:

   (a) Credit sales to Mohan Rs 7,000 were not posted.

   (b) Credit purchases from Rohan Rs 9,000 were not posted.

   (c) Goods returned to Rakesh Rs 4,000 were not posted.

   (d) Goods returned from Mahesh Rs 1,000 were not posted.

   (e) Cash paid to Ganesh Rs 3,000 was not posted.

7. Rectify the following errors:

   (a) Credit sales to Mohan Rs 7,000 were posted to Karan.

   (b) Credit purchases from Rohan Rs 9,000 were posted to Gobind.

   (c) Goods returned to Rakesh Rs 4,000 were posted to Naresh.

   (d) Goods returned from Mahesh Rs 1,000 were posted to Manish.

   (e) Cash sales Rs 2,000 were posted to commission account.

8. Rectify the following errors assuming that a suspense account was opened.

Ascertain the difference in trial balance.

(a) Credit sales to Mohan Rs 7,000 were posted to the credit of his account.

(b) Credit purchases from Rohan Rs 9,000 were posted to the debit of his account as
Rs 6,000.

(c) Goods returned to Rakesh Rs 4,000 were posted to the credit of his account.

(d) Goods returned from Mahesh Rs 1,000 were posted to the debit of his account as
Rs 2,000.

9. Pass the necessary journal entries to make the following adjustment as on 31st Dec. 2017

Stock on 31st Dec. 2017 was Rs.25, 000.

Depreciation @10% on furniture valued at Rs. 5,000 and machinery valued at Rs. 60,000.

Interest accrued on securities Rs 700.

Bad debts during the year amounted to Rs. 450.

Unexpired insurance as on 31st Dec. 2017 was Rs.1, 290.

Salaries outstanding on 31st Dec. 2017 were Rs. 16, 000.

10. Cost of Good sold 5 lakh rupees and gross profit is 20% on sales find out gross profit and sales.

XI(BST)

1. Name the organization which has been set up by the central as well as State governments to provide medium term and long term loans to the business sector.

2. ''Ojas Auto Ltd. '' is a very well-known auto company in the industry having more equity share capital than long term debt in its capital structure. It is willing to expand and establish a new unit in the backward region and wants to train the tribal women in skill Development to empower them. It has a huge amount of cash reserve of Rs. 1000 crores.

(a) What is the status of the capital structure of the above company?

3. ''Avika Ltd.'' company, an IT giant company registered in India wants to top the huge amount of resources for its growth and expansion from U.S.A. for long term needs. It also needs money for a period of fewer than 3 years to meet its medium cum short term needs. The company is following the practice of educating and giving employment to underprivileged youth. 50% of its office electricity is generated through solar power.

(a) Which two sources of finance should be used by the company to meet its requirement. Write any two characteristics of each source.

4. ''Avika Ltd.'' company, an IT giant company registered in India wants to top the huge amount of resources for its growth and expansion from U.S.A. for long term needs. It also needs money for a period of fewer than 3 years to meet its medium cum short term needs. The company is following the practice of educating and giving employment to underprivileged youth. 50% of its office electricity is generated through solar power.

(a) Which two sources of finance should be used by the company to meet its requirement. Write any two characteristics of each source.

5. In an organization, there are 51% shares are owned by central government. It has a separate legal entity and it is established under the Indian Companies Act, 2013 and is registered and governed by the provisions of Indian Companies Act, 2013. It is established for purely business purposes and compete with the companies in private sector in true spirit.

(a) Identify the form of organization being referred to in above lines.

(b) Explain any two merits of this form of organization.

(c) Explain any two demerits of this form of organization.

(d) Give two examples of this form of organization.

6. Anjana and Babita are best friends. Both of them are commerce students. Anjana tells Babita that all government undertakings have common features and all organizations under Public Sector enjoys same merits and demerits. Babita tells Anjana that it is not true. There are many forms of Public Sector undertaking and each form has its own merits and demerits.

(a) Who of the two is right?

(b) Name different forms of organizations in public sector.

(c) Give three points of difference in these forms of organizations.

7. Public sector has a concern for social welfare and private sector has an advantage of innovation and efficiency. Private sector is crazy for profit and public sector is lacking efficiency. In this situation, it is really a problem which form of organization is suitable.

(a) Is there any form of organization which combines benefits of both? Identify and name it.

(b) Give two merits of this type of organization

(c) Give two demerits of this type of organization.

8. Sanjay has just completed his MBA. His father is a businessman. He suggests Sanjay also do his own business. But he claims that starting and operating a business in his age was different from now. These days there is stiff competition and consumer is

the king in the market. Many other aspects of business have also changed. His father claims that things have changed but they had different kind of challenges like too many government intervention and paper formalities, lack of technology, non-availability of infrastructural facilities etc. But running a business was a challenge and still is a challenge.

(a) In the light of above discussion, which era do you think Sanjay and his father belonging to?

(b) How has business environment changed in these two eras?

9. In India, many multinational companies are operative but majority of them are producing goods and services for richer section. They are least bothered for weaker section of the society. In many cases they are producing goods like pedigree in a country where 26 million human beings sleep without food, resources are being allocated for production of dog food. Therefore, it seems that production should be given in the hands of Indian companies which understand Indian priorities and allocate resources accordingly.

In the light of above facts, discuss merits and demerits of multinational companies.

10. What exactly do you mean when you say "merchant bankers"? Briefly describe the services offered by merchant bankers.

11. Why is the government company form of organisation preferred to other types in the public sector?

12. ABC Ltd is a leading marketing company of soft drinks. Its 32% of total paid up capital is held by Central Government and 21% is by Delhi Government.

i)   Identify the type of public sector enterprises in the above statement.

ii)   State any four features of such an enterprise.

13. Maharashtra Pharmaceuticals Ltd, registered under the companies Act, 1956, was started with a paid up capital of Rs 50,00,000. 40% of this paid up capital is in the hands of private individuals and balance is held by the government of Maharashtra. Maharashtra Pharmaceuticals Ltd belongs to which form of public sector enterprise. State its any two features and any two merits.

14. It is a public enterprise established under the Indian Companies Act and conducts business in competition with companies in private sector.

i)   Identify the type of public enterprise highlighted above.

ii)   What is the minimum investment government has to make in such companies.

iii)   In whose name shares of this type of company are purchased.

iv)   State any two merits and any one demerit of such type of company.

15. Identify the type of public sector enterprises in the following statements:

i) RBI and FCI are the examples of this form of enterprise.

ii) It enjoys maximum autonomy in all business decisions.

iii) These are established under an act of Parliament.

iv) Where national security is concerned, this form is most suitable.

v) This enterprise is financed directly from the government treasury.

vi) Indian Railways and Post and Telegraph are the examples of this form of enterprise.

vii) Minimum 51% of the paid up capital is held by the government.

viii) Hindustan Aircrafts is the example of this form of enterprise.

XI(ECONOMICS)

1. The mode of a set of observations is the value of the observation:
a) Which has the highest frequency   b) Which has the lowest frequency
c) Which divides the set into two equal parts   d) Which is equal to the mean

2. Which of the following is not a measure of central tendency?
a) Mean   b) Median
c) Mode   d) Range

3. Which of the following is the most affected by extreme values?
a) Mean   b) Median
c) Mode   d) All of the above

4. The median of the numbers 1, 2, 3, 3, 4, and 5 is:
a) 1   b) 2
c) 3   d) 4

5. The mode of the numbers 1, 2, 2, 3, 3, 3, and 4 is:
a) 1   b) 2
c) 3   d) 4

6. The measures of central tendency that can be computed from grouped data are:
a) Mean and median   b) Mean and mode
c) Median and mode   d) Mean, median, and mode

7. The arithmetic mean of a set of 100 observations is 50. If each observation is increased by 2, the new mean is:
a) 52   b) 50
c) 48   d) Cannot be determined

8. The median of a set of observations is the value of the observation:
a) Which has the highest frequency   b) Which has the lowest frequency
c) Which divides the set into two equal part   d) Which is equal to the mean

9. The average of the deviations of the observations from their mean is always:
a) Zero   b) Positive
c) Negative   d) Cannot be determined

10. The arithmetic mean of these items: 10, 15, X, 20, 30 is 20. Find out the missing item.

a) 10   b) 15
c) 20   d) 30

Question 1:
Find out the median.

S. No.	1	2	3	4	5	6	7	8	9
Marks Obtained	10	12	14	17	18	20	21	30	32

Question 2:
Find the value of the median from the following data: 15, 35, 48, 46, 50, 43, 55, 49.

Question 3:
Calculate the value of median: 25, 20, 15, 45, 18, 7, 10, 64, 38, 12.

Question 4:
From the following series of marks obtained by 10 candidates in an examination. Find the median: 26, 14, 30, 18, 11, 35, 41, 12, 32.

Question 5:
Calculate the value of median from the following data:

Income (â,¹)	12,00	1,800	5,000	2,500	3,000	1,600	3,500
No. of Persons	12	16	2	10	3	15	7

_____X _____