

**HALF YEARLY**  
**Class - XI**  
**Computer Science**  
**Sample Paper**

- Q1. a. Why are logical errors harder to locate? 2
- b. What is the difference between break and continue statements? 2
- c. Two types of looping statements are \_\_\_\_\_ and \_\_\_\_\_. 1
- d. Name the components of a microprocessor. 1
- e. What is Byte? 1
- f. Define Source and Object program. 2
- Q2. a) What type of error it will produce when you type? 1
- ‘Hello’+1
- b) Differentiate between Volatile and Non-Volatile memory. 2
- c) What will be the output produced by following code? Ch-8 2
- ```
y= str (123)
x= “hello” * 3
print (x,y)
x= “hello” + “world”
y= len (x)
print (y,x)
```
- d) What is cloud computing? State the advantage of compiled languages over interpreted languages. 3
- e) Write a program that reads a string and then prints a string that capitalizes every other letter in the string, e.g. school becomes sChOol. 2
- f) What are the main types of software? 1
- g) Write a program to count the number of times a letter appears in a string? 2
- h) Draw the logic circuit diagram for the following Boolean expression. 2
- $(x' + y). z + w'$
- Q3. a. What is Binary Variable? 1
- b. What is code space? Ch-14 1
- c. What is traversing a string? 1
- d. Write the types of ROM memory. 1

|                                                                                                    |   |
|----------------------------------------------------------------------------------------------------|---|
| e. Define hardware?                                                                                | 1 |
| f. NOR gate is a combination of _____                                                              | 1 |
| g. Convert $(101.10)_{16} \rightarrow (?)_2$                                                       | 2 |
| h. What is the difference between else clause of if-else and else clause of Python loops?          | 2 |
| i. What do you understand by number system?                                                        | 2 |
| Q3. a) Prove algebraically $X \oplus X \cdot Y = X + Y$ .                                          | 1 |
| b) Add the binary numbers 1011 and 110?                                                            | 1 |
| c) What is a string slice?                                                                         | 1 |
| d) "Hardware is of no use without software and software cannot be used without hardware". Explain. | 1 |
| e) Write any two popular operating system.                                                         | 1 |
| f) What are logical statements.                                                                    | 1 |
| g) Convert $(EF.B1)_{16} \rightarrow ()_{10}$                                                      | 2 |
| h) What is the difference between break and continue statements?                                   | 2 |
| i) Draw a logical circuit diagram for the following Boolean expression.                            | 2 |
| $F(U,V) = U \cdot V + U \cdot V'$                                                                  |   |
| Q4. a) Find 1's and 2's complement of 17.                                                          | 2 |
| b) Why is a control unit referred to as the central controller of a computer?                      | 2 |
| c) Make comparison between Static RAM and Dynamic RAM. Ch-11                                       | 2 |
| d) Write a program to accept a number and display whether the number is a palindrome or not.       | 2 |
| e) When do these exceptions occur? Ch-7                                                            | 3 |
| i) Type Error                      b) Index Error                      c) Name Error               |   |
| f) Briefly explain the basic architecture of a computer.                                           | 3 |
| <b>or</b>                                                                                          |   |
| f) How are software libraries useful? Name some software libraries of Python.                      | 3 |
| g) Draw a circuit diagram using NOR gate for the Boolean expression                                | 3 |
| $f(a,b,c) = AB + A\bar{C} + \bar{B} \bar{A}C$                                                      |   |
| h) What are these pdb commands used for?                                                           | 4 |
| i) b                      ii) cl                      iii) l                      iv) h            |   |

Q5. a) Write a program that reads a line, then counts how many times a substring appears in the line and displays the count. 4

**OR**

a) Write a python script to enter your name and print the name your character times. Notice that the space should not be included as a character with name. 4

b) Determine the Hexadecimal equivalent of the following binary number: 3

a. 101111100001

b. 1110001111

c. 10000100111

c) i) Rewrite the following program using for() loop: ch-6 3

```
Sum=0;
i=1;
while (i<=10):
    sum=sum + i ;
    i+=1;
print("sum=" , sum)
```

ii) Write a program to print the following pattern: 3

```
A           123
BC          12
DEF         1
GHIJ
KLMNO
```

**HALF YEARLY EXAMINATION Sample paper**  
**CLASS XI**  
**SUBJECT – POLITICAL SCIENCE**

**TIME: 3 hrs**

**M M - 100**

**General Instructions-**

- 1. The question paper has 27 questions in all. All questions are compulsory.**
- 2. Question no. 1 to 5 is one mark questions.**
- 3. Question no. 6 to 10 is 2 marks questions.**
- 4. Question no. 11 to 16 is 4 marks questions.**
- 5. Question no. 17 to 19 is 5 marks questions based on passage.**
- 6. Question no. 20 & 21 is 5 marks questions based on map/cartoon.**
- 7. Question no. 22 to 27 is 6 marks questions with internal choice.**

Q1. What do you mean by Secularism?

Q2. Mention the provision borrowed from French Constitution in Indian Constitution.

Q3. Define Political Theory.

Q4. What is contemporary Political Theory?

Q5. Who are Anarchists?

Q6. How is Social Justice a core philosophy of the Constitution?

Q7. What is Preventive detention?

Q8. Why did India adopt the FPTP system of representation?

Q9. Distinguish between traditional and modern concept of politics.

Q10. Why should there be constraints on freedom?

Q11. Write four features of Indian Bureaucracy?

Q12. How does Parliament control over executives?

Q13. Explain the essential elements of equality.

Q14. How can we promote equality?

Q15. Describe the Plato's dignity. The concept of Justice.

Q16. "Rights operate within a world of duties". Explain

Q17. Read the given passage carefully and answer the following questions.



books in the light of our discussion so far which sees freedom as ‘the making of choices’, where a distinction is made between ‘negative and positive liberty’, where we recognize the need for ‘justifiable constraints’ but these have to be supported by proper procedures and important moral arguments. Freedom of expression is a fundamental value and for that society must be willing to bear some inconvenience to protect it from people who want to restrict it. Remember Voltaire’s statement-‘I disapprove of what you say but I will defend to death your right to say it’. How deeply are we committed to this freedom of expression?

- i) What are the two aspects of liberty? (1)
- ii) What is a fundamental value among rights? (2)
- iii) How can we support justifiable constraints? (2)

Q20. Read the given passage carefully and answer the following questions.

Although there might be broad agreement in modern society about equal importance of all people, it is not a simple matter to decide how to give each person his/her due. A number of different principles have been put forward in this regard. One of the principles is the principle of treating equals equally. It is considered that all individuals share certain characteristics as human beings. Therefore they deserve equal rights and equal treatment. Some of the important rights which are granted liberal democracies today include civil rights such as the rights of life, liberty and property ,political rights like the right like the right to vote, which enable people to participate in political processes and certain social rights which would include the right to enjoy equal opportunities with other members of the society.

- i) Mention any one principle to decide equal importance of all people. (1)
- ii) What does this principle refer? (2)
- iii) What are political rights? (2)

Q21. Read the given passage carefully and answer the following questions.

In the 17<sup>th</sup> and 18<sup>th</sup> centuries, political theorists argued that rights are given to us by nature or God. The rights of men were derived from natural law. This meant that rights were not conferred by a ruler or a society , rather we are born with them. As

such these rights are inalienable and no one can take these away from us. They identified three natural rights of man ,the rights to life , liberty and property. All other rights were said to be derived from these basic rights.The idea that we are born with certain rights , is a very powerful notion because it implies that no state or organization should take away what has been given by the law of nature. This conception of natural rights has been used widely to oppose the exercise of arbitrary power by states and governments to safeguard individual freedom.

- i) What do you mean by individual rights? (1)
- ii) Mention some natural rights. (2)
- iii) How has the conception of natural rights been used? (2)

Q22. Who are Right to Constitutional remedies a guarantee for fundamental right?

OR

Examine any three judicial pronouncements on disputes related to fundamental rights in the Indian Constitution. (6)

Q23. Describe the various modes of ensuring free and fair elections in India.

OR

Describe the composition, function and role of Election Commission of India? (6)

Q24. Describe the election, powers and position of the Indian President.

OR

Describe the powers and position of Indian Cabinet.

Q25. Describe the composition and powers of Indian Parliament. How is Lok Sabha powerful than Rajya Sabha?

OR

Describe the procedure of passing a non money bill. (6)

Q26. Differentiate between political , economic and cultural rights. Give example of each kind of rights.

OR

On what grounds are some rights considered to be universal in nature? Identify three right which you consider universal. Give reasons. (6)

Q27. Does principle of considering the special needs of people conflicts with the principle of equal treatment for all?

OR

What measures have been taken by India to secure social justice? (6)



**HALF YEARLY EXAMINATION**  
**CLASS- XI**  
**SUBJECT- ACCOUNTANCY**  
**SAMPLE PAPER**

**Time: 3Hrs**

**MM: 90**

**GENERAL INSTRUCTIONS:**

- Answer all questions.
- All parts of the questions should be attempted at one pace.
- Each question carries marks indicated against it.

Q.1 What do you mean by debit note? (1)

Q.2 A firm earns a revenue of Rs. 21,000 and the expenses to earn this revenue are Rs. 15,000. Calculate its income. (1)

Q.3 Out of Revenue Reserve and Capital Reserve, which reserve is free for distribution as dividend? (1)

Q.4 Give two examples of Natural Personal Accounts. (1)

Q.5 A firm follows a practice of giving the figures of previous year along with the figures of current year. Now the Accountant of the firm wants to discontinue this practice. Do you justify this decision? (1)

Q.6 Purchase goods from Manoj of Rs. 20,000 at 20% trade discount. Posting will be made in Manoj account :

- a) Rs. 20,000 on Debit side
- b) Rs. 16,000 on Debit side
- c) Rs. 20,000 on Credit side
- d) Rs. 16,000 on Credit side (1)

Q.7 In a financial year, Vinod had total sales of Rs. 7,40,000 out of which he received Rs. 5,60,000 in cash. He incurred an expense of Rs. 3,80,000, out of which Rs. 30,000 belongs to next year and Rs. 10,000 are still outstanding.

You are required to determine Vinod's income for the year if

- a) He follows Cash Basis of Accounting and
- b) He follows Accrual Basis of Accounting. (3)

Q.8 Accounting provides qualitative information about the financial transactions which are useful in making economic decisions. Accounting collects, records, classifies and summarizes the financial information which is communicated to its users. In the same context explain any three external users of accounting. (3)

Q.9 Y started a business and invests Rs. 2,00,000 on 1<sup>st</sup> April, 2014 and a loan of Rs. 75,000 from the bank. On 31<sup>st</sup> March, 2015 his assets were Rs.3,80,000. During the year, he had invested Rs. 60,000 as additional capital and withdrawn Rs. 36,000 for personal purposes. Find out the amount of capital on 31<sup>st</sup> march 2015 and his profit. (3)

Q.10 Rectify the following Errors:

- a) Goods of the value of Rs. 2,000 returned by Mr. Gupta were entered in the sales book and posted there from to the credit of his account.
- b) Goods worth Rs. 1,500 bought by the proprietor for his personal use without any payment being made as yet, was wrongly entered in the purchase book.
- c) A cheque for Rs. 500 received from Ashok was dishonoured and has been posted to the debit of sales return account. (3)

Q.11 Journalize the following transactions in the books of Anita Yadav of Delhi: 2018

- 2 March Purchased goods from Anupriya of Delhi for Rs. 2,50,000. (CGST @ 9% and SGST @ 9%)
- 15 March Sold goods to Priya of Punjab for Rs. 2,00,000. (IGST @ 12%)
- 25 March Goods sold to Priya for Rs. 60,000 at 5% trade discount and 10% cash discount and received 1/3<sup>rd</sup> in cash. (3)

Q.12 By taking Q.11 prepare Anupriya's A/C, Sale A/C and Priya's A/C. (3)

Q.13 Explain the following terms:

- a) Goods & Service Tax
- b) Bad debt
- c) Drawing
- d) Non-Current Assets (4)

Q.14 'Accounting Standards have been evolved to improve the reliability and credibility of Financial Statements. Accounting Standards provide the solution in case of conflicts among various groups.' In the light of this statement, enumerate the objectives of accounting standards. (4)

Q.15 Distinguish between Book-Keeping and Accounting by giving proper basis of difference? (4)

Q.16 Define provision. What is the importance of creating a provision? (4)

Q.17 State to which class of accounts does each of the following relate:

- a) Interest
- b) Accrued Interest
- c) Loan Account
- d) Discount Allowed
- e) Freehold Premises
- f) Sales Account
- g) Ram a debtor
- h) Haryana Education Board (4)

Q.18 a) Mohan, the owner of a business receives an order for supply of goods worth Rs. 2,00,000. He has also received Rs. 25,000 against this order. Mohan wants to record it as a sale. Is Mohan correct in doing so?

b) During the year the company purchased ballpoint pens of Rs. 500. These were issued to employees and were still in use at the end of the year. Which accounting concept you would follow in dealing with this item?

c) A debtor who owes Rs. 2,00,000 to the company is rumoured to be declared insolvent. Will you disclose this information in the books? (6)

Q.19 Enter the following transactions in the sales books of Ganesh & Co. of Jaipur (Rjasthan), who deals in furniture. Assume CGST @ 6% and SGST @ 6%:-

**2017**

**January 5** Sold to Gupta Furniture House, New Delhi: -  
120 Chairs @ Rs.2,500 per chair  
25 Tables @ Rs.8,000 per Table  
Less: 5%

**January 8** Sold to Raja Furniture House, Ahmedabad (Gujarat): -  
8 Almirahs @ Rs.15,000 each  
9 Steel Cabinets @ Rs.20,000 each  
Less: Trade Discount 10%

**January 12** Sold old Computer for Rs.1,500 to Mohan & Co. on credit.

- January 20** Sold to New Furniture House, Jaipur: -  
 5 Sofa sets @ Rs. 20,000 each  
 10 Tables @ Rs. 8,000 each
- January 25** Sold 4 Sofa sets @ Rs. 25,000 each to Varun & Co. for cash
- January 31** Purchased from Ram Lal & Co. Jaipur on credit:-  
 50 chairs @ Rs. 2,000 each (6)

Q.20 Show that accounting equation is satisfied in the following cases:

- Started business with cash Rs. 60,000 and Goods Rs. 30,000
- Purchased goods for cash Rs. 40,000 and on credit Rs. 25,000
- Goods costing Rs. 48,000 sold at a profit of  $33\frac{1}{3}\%$ . Three-fourth payment received in cash.
- Goods costing Rs. 20,000 sold at a loss of 5%, out of which Rs. 12,000 received in cash.
- Paid Rent Rs. 4,000 and Salary Rs. 6,000.
- Received cash from debtors Rs. 15,000. (6)

Q.21 Rectify the following errors found in the books of X ltd. The trial balance showed Rs 250 as debit excess. The difference has been posted to the suspense account.

- The total of the debit side of Rent account has been cast in excess of Rs 375.
- The sales account has been total short by Rs 400.
- One item of purchase of Rs 25 has been posted from the Purchases book to the ledger as Rs 350.
- The sales return of Rs 200 from a Pari has not been posted to that account though the Pari's Account has been credited.
- A cheque of Rs 600 issued to the Suppliers Account (shown under Sundry Creditors) towards his dues has been wrongly debited to Purchases Account. (6)

Q.22 Fill in the missing information in the following journal entries:

### JOURNAL

| S.No. | Particulars | L.<br>F. | Amount<br>Dr. (Rs.) | Amount<br>Cr. (Rs.) |
|-------|-------------|----------|---------------------|---------------------|
| a)    | Dr.         |          | 25,000              |                     |
|       | To          |          |                     | 25,000              |

|    |                                                                                     |     |        |       |
|----|-------------------------------------------------------------------------------------|-----|--------|-------|
| b) | (Custom duty paid by cheque on import of a new machinery)                           |     |        |       |
|    | Abbas & Sons                                                                        | Dr. | _____  |       |
|    | To                                                                                  |     |        | _____ |
| c) | (Goods costing Rs. 50,000 sold above 10%; less 10% trade discount.)                 |     |        |       |
|    |                                                                                     | Dr. | _____  |       |
|    | To                                                                                  |     |        | _____ |
| d) | (Interest charged on capital of Rs. 20,00,000 @ 9% p.a. for 7 months.)              |     |        |       |
|    |                                                                                     | Dr. | _____  |       |
|    | To                                                                                  |     |        | _____ |
| e) | (Goods costing Rs. 10,000 sale price Rs. 12,000 withdrawn for personal use.)        |     |        |       |
|    |                                                                                     | Dr. | _____  |       |
|    | To                                                                                  |     |        | _____ |
| f) | (Depreciation provided on Computers costing Rs. 1,50,000 @ 20% p.a. for 9 months.)  |     |        |       |
|    | Bank A/c                                                                            | Dr. | 42,000 |       |
|    |                                                                                     | Dr. | _____  |       |
|    | To                                                                                  |     |        | _____ |
|    | (60 Paise in the rupee received from official receiver of Gopal on his insolvency.) |     |        |       |

(6)

Q. 23 a). Prepare a Cash Book with appropriate number of columns from the following information for the month of December 2017 in the Books of Sharma:

**2017**

**December 1** Cash in Hand Rs.2,780; Bank Overdraft Rs.3,125.

**December 2** Cheque worth Rs.400 issued to the petty cashier.

**December 5** Rs.350 was paid to Hari & Sons for the supply of stationery on this day.

- December 7** Received a cheque worth Rs.600 from Pramod against sale of goods.
- December 10** Received Rs.1,200 for sale of goods.
- December 11** The cheque which was received from Pramod on 7<sup>th</sup> December, 2017 was endorsed in favour of Morgan together with Rs.1,400 in cash.
- December 15** Received Rs.950 from Sheila.
- December 23** Murarilal paid Rs.2,000 in cash and 3,000 in cheque after receiving a discount of Rs.200 for goods sold to him in November, 2017. The cheque was immediately deposited into the Bank.
- December 26** Bought goods worth Rs.1,700 from Rustom and paid by cheque after receiving a discount of Rs.170.
- December 30** Interest on overdraft Rs.50 was charged by the Bank.
- December 30** Cash in excess of Rs.1,000 was deposited into the Bank.

- b) A firm decided that 2% of its net profit will be given to Prime Minister's Relief Fund every year. Indicate the value involved in this decision. (8)

Q. 24 a) From the following ledger account balances extracted from the books of R.J. Gupta, prepare a Trial Balance as on 31<sup>st</sup> March, 2018:

|                                          |          |                          |        |
|------------------------------------------|----------|--------------------------|--------|
| <b>Purchases</b>                         | 1,04,000 | <b>Drawings</b>          | 7,950  |
| <b>Sundry Debtors</b>                    | 18,550   | <b>Sundry Creditors</b>  | 8,300  |
| <b>Premises</b>                          | 62,000   | <b>Returns Inward</b>    | 5,360  |
| <b>Sales</b>                             | 1,49,000 | <b>Furniture</b>         | 15,600 |
| <b>Return Outward</b>                    | 8,900    | <b>Cash in Hand</b>      | 390    |
| <b>Rates &amp; Taxes</b>                 | 780      | <b>Capital</b>           | 85,000 |
| <b>Cash at Bank</b>                      | 1,560    | <b>Factory Wages</b>     | 5,830  |
| <b>Carriage Inwards</b>                  | 650      | <b>Carriage Outwards</b> | 260    |
| <b>Salaries</b>                          | 3,900    | <b>Rent Received</b>     | 2,990  |
| <b>Stock (1<sup>st</sup> April,2017)</b> | 25,000   | <b>Insurance</b>         | 2,100  |
| <b>Input IGST A/c</b>                    | 5,000    | <b>Bad Debts</b>         | 260    |
| <b>Input CGST A/c</b>                    | 2,500    | <b>Output IGST A/c</b>   | 10,000 |
| <b>Input SGST A/c</b>                    | 2,500    |                          |        |

- b) A sole proprietorship firm decided to select 5 children from B.P.L (Below Poverty Line) families and decided to sponsor their free education in a privately managed school. Accordingly, it selected 3 girls and 2 boys. Which values do the firm wish to promote by taking this decision? (8)

END

# **HALF YEARLY EXAMINATION**

## **CLASS – XI**

### **PHYSICAL EDUCATION**

**TIME: 3 Hrs.**

**M.M: 70**

#### **General Instructions:**

- The question paper consists of 22 questions.
- All questions are compulsory.
- Q1 to Q 6 are of 1 mark each must be answered in 10 to 20 words.
- Q 7 to 14 are of 3 marks each must be answered in 30 to 50 words.
- Q 15 to 22 are of 5 marks each must be answered in 75 to 100 words.

Q1 What do you mean by sports journalism?

Q2 What is the Olympic Motto?

Q3 Define Endurance.

Q4 What do you mean by integrated physical education?

Q5 What is Dhayana?

Q6 Who are made leaders?

Q7 What are the objectives of physical education?

Q8 What is the importance of soft-skills in sports management?

Q9 Discuss 'healthy diet' as a component of positive lifestyle.

Q10 What is the function of IOA and IOC?

Q11 Write about the need and importance of inclusive education?

Q12 What are the elements of Yoga?

Q13 Discuss about the types of leadership in physical education.

Q14 What safety measures children should be taught while participating in river rafting?

Q15 Explain in detail about changing trends in physical education.

Q16 Explain in detail about various physical education courses available in India.

Q17 Write a short note on :-

- (i) Chacha Nehru award                      (ii) Olympic flame

Q18 What do you mean by physical fitness? Explain the importance of physical activity on enhancing the life.

Q19 Explain briefly about Paralympics movement.

Q20 Explain in detail special Olympic Bharat.

Q21 What is Yoga nidra? Explain the steps of Yoga nidra.

Q22 Explain in detail about the behavior change stage for physical activity.

**SAMPLE PAPER**  
**EXAM – HALF YEARLY**  
**CLASS – XI**  
**SUBJECT – ENGLISH**

**TIME: 3 HOURS**

**M.M – 80**

**GENERAL INSTRUCTIONS-**

1. All questions are compulsory.
2. Your answer should be to the point, and strictly adhere to the prescribed word limit.

**SECTION – A READING (20 marks)**

**Q1. Read the passage carefully and answer the following questions: (12m)**

1. In life we sometimes have disagreements with people. It could be with your partner, with your boss, with your parents, or with a friend. When this happens, the important thing is to try not to let a calm discussion turn into a heated argument. But of course this is easier said than done.
2. The first thing I would say is that the way you begin the conversation is very important. Imagine you are a student and you share a flat with another student who you think isn't doing her share of the housework. If you say, "Look, you never do your share of the housework. What are we going to do about it?", the discussion will very soon turn into an argument. It's much more constructive to say something like, 'I think we'd better have another look about how we divide up the housework. Maybe there's a better way of doing it.'
3. My second piece of advice is simple. If you're the person who is in the wrong, just admit it! This is the easiest and best way to avoid an argument. Just apologize to your flatmate, your parents, or your husband, and move on. The other person will have more respect for you in the future if you do that.
4. The next tip is don't exaggerate. Try not to say things like "You always come home late when my mother comes to dinner' when perhaps this has only happened twice, or "You never remember to buy the toothpaste." This will just make the other person think you're being unreasonable, and will probably make him or her stop listening to your arguments.
5. Sometimes we just can't avoid a discussion turning into an argument. But if you do start arguing with someone, it is important to keep things under control and there are ways to do this.
6. The most important thing is don't raise your voice. Raising your voice will just make the other person lose their temper too. If you find yourself raising your voice, stop for a moment and take a deep breath. Say 'I'm sorry I shouted, but this is very important to me, and continue calmly. If you can talk calmly and quietly, you'll find your partner will be more ready to think about what you are saying.

7. It is also very important to stick to the point. Try to keep to the topic you are talking about. Don't bring up old arguments, or try to bring in other issues. Just concentrate on solving the one problem you are having, and leave the other things for another time. So, for example, if you're arguing about the housework, don't start talking about mobile phone bills as well.

8. And my final tip is that if necessary call 'Time out', like in a sports match. If you think that an argument is getting out of control, then you can say to the other person, 'Listen, I'd rather talk about this tomorrow when we've both calmed down'. You can then continue the discussion the next day when perhaps both of you are feeling less tense and angry. That way there is much more chance that you will be able to reach an agreement. You'll also probably find that the problem is much easier to solve when you've both had a good night's sleep. Well, those are my tips.

9. But I want to say one last important thing. Some people think that arguing is always bad. This is not true. Conflict is a normal part of life, and dealing with conflict is an important part of any relationship, whether it's three people sharing a flat, a married couple, or just two good friends. If you don't learn to argue properly, then when a real problem comes along, you won't be prepared to face it together. Think of the smaller arguments as training sessions. Learn how to argue cleanly and fairly. It will help your relationship become stronger and last longer.

### **1.1 choose the correct option: (4m)**

a. .... is easy to suggest but quite difficult to do.

- i. To have disagreements with people.
- ii. Not to let a peaceful discussion change into a heated argument.
- iii. "Never raise your voice"
- iv. To have heated argument with friends,

b. In case we are wrong we should ..... to avoid argument.

- i. flatmate
- ii. exaggerate
- iii. respect
- iv. Apologise

c. The second paragraph suggests when we ..... others, it leads to argument.

- i. share the work with
- ii. accuse
- iii. divide the work anew with
- iv. only (i) & (ii)

d. .... can help strengthen relationships.

- i. Learning to argue clearly
- ii. Learning to avoid arguments,
- iii. Learning to argue fairly

iv. Only (i) and (iii)

**1.2 Answer the following questions briefly: (8m)**

- a. What happens if a complaint is exaggerated?
- b. Name two activities that to help to keep arguments under control.
- c. Raising our voice in an argument is not good. Why?
- d. What happens if we don't learn to argue properly?
- e. How does Time Out help in argument?
- f. When is your partner in an argument more ready to think about your point of view?
- g. Find words/phrases from the passage which mean the OPPOSITE as each of the following
- h. Surely (Para-4) ii. Initial (Para 8)

**Q2. Read the following passage and answer the questions that follow: (8m)**

1. The tests of life are its plus factors. Overcoming illness and suffering is a plus factor for it moulds character. Steel is iron plus fire, soil is rock plus heat. So let's include the plus factor in our lives.

2. Sometimes the plus factor is more readily seen by the simple hearted. Myers tells the story of a mother who brought into her home - as a companion to her own son - a little boy who happened to have a hunchback. She had warned her son to be careful, not to refer to his disability. The boys were playing and after a few minutes she overheard her son say to his companion "Do you know what you have got on your back'?" The little boy was embarrassed, but before he could reply, his playmate continued "It is the box in which your wings are, and some day God is going to cut it open and then you will fly away and be an angel."

3. Often it takes a third eye or a change in focus, to see the plus factor. Walking along the corridors of a hospital recently where patients were struggling with fear of pain and tests, I was perturbed. What gave me a fresh perspective were the sayings put up everywhere, intended to uplift. One saying made me conscious of the beauty of the universe in the midst of pain, suffering and struggle. The other saying assured me that God was with me when I was in deep water and that no troubles would overwhelm me.

4. The import of those sayings also made me aware of the nectar springs that flow into people's lives when they touch rock bottom or are lonely or guilt ridden. The nectar springs make recovery possible, and they bring peace and patience in the midst of negative forces.

5. The forces of death and destruction are not so much physical as they are psychic and psychological. When malice, hatred and hard heartedness prevail, they get

channeled as forces of destruction. Where openness, peace and good heartedness prevail, the forces of life gush forth to regenerate hope and joy. The life force is triumphant when love overcomes fear. Both fear and love are deep mysteries, but the effect of love is to build, whereas fear tends to destroy. Love is generally the plus factor that helps build character. It creates bonds and its reach is infinite.

6. It is true there is no shortage of destructive elements - forces and people who seek to destroy others and in the process destroy themselves -- but at the same time there are signs of love and life everywhere that are constantly enabling us to overcome setbacks. So let's not look at gloom and doom - let us seek positivity and happiness. For it is when you seek that you will find what is waiting to be discovered

a. On the basis of your reading of the above passage, make notes on it in points only, using abbreviations, wherever necessary. Also suggest a suitable title. (4m)

b. Write a summary of the passage in not more than 80 words, using the notes you have made. (4m)

**SECTION – B**  
**WRITING SKILLS AND GRAMMAR (30 marks)**

**Q3.** You are going abroad. You want to sell your house, built three years ago. Draft an advertisement in not more than 50 words giving all the necessary details of the house and its locality. Contact no. 9812234567

**OR**

Your school is going to organise a Diwali Mela. Design a poster to inform the students about it. (50 words)

**Q4.** Everyday, newspapers scream of a new scam, a new scandal, a new case of corruption, arrest of officials taking bribe and what not. Write a letter to the editor of a national newspaper voicing your concern over the issue. (6marks)

**OR**

You are Raman/Rama librarian of Manav Rachna Public School. Write a letter to the publishing house for placing the order for books for the library. Invent all necessary details.

**Q5.** Write an article in about 150 - 200 words on the topic “Dealing with Rising Cyber Crime”. (10marks)

**OR**

In recent times there has been a sudden increase of tuition and coaching centres. Are they relevant and useful? Are they a blot on our education system? What are your views? Draft a speech in about 200 words.

**Q6. In the passage given below, there is an error in each line. Write the incorrect word and the correction against the correct blank number in your answer sheet. (3m)**

|                                            | <b>INCORRECT</b> | <b>CORRECT</b> |
|--------------------------------------------|------------------|----------------|
| Meanwhile to their dismay, we found that   | eg. Their        | Our            |
| after four hour of climbing up the wall    | (a)_____         | _____          |
| we are lost. No torches were allowed.      | (b)_____         | _____          |
| only later another two hours did           | (c)_____         | _____          |
| we find themselves on the top. We had four | (d)_____         | _____          |
| hours to sleep. We have to reach the next  | (e)_____         | _____          |
| village in the day break .It was cold, two | (f)_____         | _____          |
| of the boys produced the woolen shawls of  |                  |                |
| The bags.                                  |                  |                |

**Q7. Fill in the blanks with suitable determiners:\_(3 marks)**

- \_\_\_\_\_ Equator divides \_\_\_\_\_ Earth into two hemispheres.
- Andaman and Nicobar islands is \_\_\_\_\_ union territory.
- Ms. Dixit came for \_\_\_\_\_ interview in \_\_\_\_\_ afternoon.
- We have a small gathering at our house \_\_\_\_\_ Sunday.

### SECTION – C LITERATURE (30 marks)

**Q9. Read the extract given below and answer (any two) of the questions that follow in one or two lines only. (1x2=2)**

“See Betty and Dolly,” she’d say, “and look how they dressed us for the beach.” The sea holiday was her past, mine is her laughter.

- Who were Betty and Dolly?
- How did ‘she’ respond whenever she looked at the snapshot?
- Why is the mother’s laughter ‘past’ for the narrator?

**Q10. Answer any three of the following in about 30 – 40 words: (2x5=10)**

- What were the funerary treasures of king Tut and why were they said to be the richest royal collection?
- How was emperor’s view different from the view of the painter Wu Daozi?
- Sue was a brave girl. Give evidence to prove the statement.
- Why could not Aram believe that Mourad had stolen the horse?
- How did professor Gitonde meet with an accident? How did it affect him?
- What happened to the painter when he entered the cave?

**Q11. Answer the following in about 120 – 150 words: (6 marks)**

Khushwant Singh's grandmother was a person with strong values. Elucidate.

**OR**

How does the Chinese view of art differ from the European view? Illustrate your answer with examples.

**Q12. Answer the following in about 120 – 150 words: (6 marks)**

What prompted the boys to return the horse – family values or fear of being caught and punished? Give reasons in support of your answer.

**OR**

Though her mother's belongings were precious to her. The narrator decides to forget them and moves ahead in life. What valuable lessons can we learn from her decision to do so?

**Q13. Answer the following in about 120 – 150 words: (6 marks)**

What moral issues does Nani Palkhivala raise when he talks about unrestricted population growth and its impact on poverty?

**OR**

Describe Gangadharpant's journey in your own words. How can it be termed as an 'Adventure'?



**HALF YEARLY EXAMINATION**  
**CLASS- XI**  
**SUBJECT – ECONOMICS**

**Time: 3 hrs**

**MM – 80**

**General Instructions:**

- (i) **All** questions in both the sections are **compulsory**.
- (ii) Marks for questions are indicated against each question.
- (iii) Question No. **1 – 4** and **13 – 16** are very short answer questions carrying **1** mark each. They are required to be answered in **one sentence**.
- (iv) Question No. **5 – 6** and **17 – 18** are short answer questions carrying **3** marks each. Answers to them should not normally exceed **60** words each.
- (v) Question No. **7 – 9** and **19 – 21** are also short answer questions carrying **4** marks each. Answers to them should not normally exceed **70** words each.
- (vi) Question No. **10 – 12** and **22 – 24** are long answer questions carrying **6** marks each. Answers to them should not normally exceed **100** words each.
- (vii) Answers should be brief and to the point and the above word limit be adhered to as far as possible.

**SECTION- A**

- Q 1. Define marginal rate of substitution? (1)
- Q 2. Why PPC is concave to origin? (1)
- Q 3. When average product increases, the marginal product is always: (1)
- |                               |                            |
|-------------------------------|----------------------------|
| (a) Greater than average cost | (c) Less than average cost |
| (b) Increasing                | (d) Decreasing             |
- Q 4. Can average product be zero or negative? (1)

Q 5. Why should diamonds be priced so high and water be priced so low even when water is essential to sustain life while diamonds are not? (3)

Q 6. A new steel plant comes up in Jharkhand. Many people who were previously unemployed in the area are now employed. How will this affect demand curve for Black and white TV and colour TV ? (3)

Q 7. Draw a transformation curve, given the following possibilities of production. Also the Marginal opportunity cost when more and more guns are to be produced in place of bread. (4)

|               |    |    |    |    |    |   |
|---------------|----|----|----|----|----|---|
| Guns (Unit)   | 0  | 1  | 2  | 3  | 4  | 5 |
| Bread ( Unit) | 30 | 28 | 24 | 18 | 10 | 0 |

Q 8. Does a fall in income have the same effect on demand for the given commodity? (4)

OR

Explain Law of equi marginal utility with the help of utility schedule.

Q 9. Price elasticity of demand is found to be (-) 5. Price of the commodity falls from 10 per unit to 6 per unit. Find the percentage increase in quantity demand. (4)

Q 10. Explain relationship between AC, AVC and AFC with the help of table and diagram. (6)

OR

- What are the reason behind diminishing returns to a factor
- Explain the relationship between AC and MC with the help of diagram.

Q 11. Explain law of variable proportion with the help of table and diagram. (6)

Q 12. What is law of demand? Explain with the help of table and diagram. (6)

OR

Differentiate between extension of demand and increase in demand.

## SECTION -B

Q 13. When population under investigation is infinite, we should use: (1)

- (a) Sample method
- (b) Either census or sample
- (c) Census Method
- (d) Neither census nor sample

Q 14. An employer wants to make transfers for his employees to other branches for which he needs to divide them into five groups. He considered the place of residence to take a decision. He made use of:

- (a) Quantitative Classification
  - (b) Qualitative Classification
  - (c) Chronological Classification
  - (d) Spatial Classification
- (1)

Q 15. Ogive can be helpful in locating graphically the : (1)

- a) Mode
- b) Median
- c) Mean
- d) All of the above

Q 16. While preparing time series graph , we show \_\_\_\_\_ on OX-axis:

- a) Time
  - b) Expense
  - c) Income
  - d) Sale
- (1)

Q 17. ‘ The government and policy makers use statistical data to formulate suitable policies of economic development’. Illustrate with two examples. (3)

Q 18. Draw a frequency polygon of the following distribution of income of workers in a factory. (3)

|           |      |        |         |         |         |
|-----------|------|--------|---------|---------|---------|
| Marks     | 0-50 | 50-100 | 100-150 | 150-200 | 200-250 |
| Frequency | 14   | 10     | 8       | 5       | 3       |

Q 19. Calculate lower quartile ( $Q_1$ ) and upper quartile ( $Q_3$ ) from the following data: (4)

|   |    |    |    |    |    |    |    |    |    |
|---|----|----|----|----|----|----|----|----|----|
| X | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| Y | 3  | 4  | 5  | 12 | 10 | 7  | 5  | 2  | 1  |

Q 20. The following changes took place in the number of students of different faculties of St. PBN Public School, Sec –17, Gurugram from 2005 - 06 to 2007-08. Represent them with the help of sub divided bar diagram. (4)

| Number Of Students |         |         |         |
|--------------------|---------|---------|---------|
| Faculty            | 2005-06 | 2006-07 | 2007-08 |
| Arts               | 1,000   | 900     | 1,100   |
| Commerce           | 400     | 500     | 600     |
| Science            | 300     | 350     | 400     |

Q 21. If the average of the following data is 20.2, find the value of M: (4)

|   |    |    |    |    |    |
|---|----|----|----|----|----|
| X | 10 | 15 | 20 | 25 | 30 |
| F | 6  | 8  | M  | 10 | 6  |

Q 22. Calculate mean, median and mode from the following information: (6)

|   |      |       |       |       |       |
|---|------|-------|-------|-------|-------|
| X | 0-10 | 10-20 | 20-30 | 30-40 | 40-50 |
| Y | 5    | 10    | 7     | 20    | 8     |

OR

Q 22 (a) The average weight for a group of 25 boys of a class is 76. One boy whose weight is 80, has left the class. Find out the average weight of the rest of the boys.

(b) With the help of the following data , calculate weighted arithmetic average:

|   |    |    |    |    |    |
|---|----|----|----|----|----|
| X | 10 | 20 | 30 | 40 | 50 |
| W | 2  | 3  | 4  | 6  | 5  |

Q 23 (a) Statistical methods are no close substitute of common sense. Comment.

(b) Explain any three limitations of statistics. (6)

Q 24. Write any three difference between : (6)

a) Direct personal investigation and indirect oral investigation

b) Primary data and secondary data

Sample Paper  
Half Yearly Examination  
Class- XI  
History

M.M:80

SECTION-A ( 2 marks each)

1. Describe the social division of Mesopotamian Civilisation.
2. Who was Augustus? Write any two achievements of Augustus.
3. What were Crusades?
4. Define the term 'Homo'. How did scientists classify Homo?

SECTION –B (4 marks each)

5. How did the development of language prove advantageous in hunting?
6. Write any four rules formulated by Genghis Khan to lay special emphasis on discipline in the army.
7. Describe the main drawbacks of feudalism.
8. How did the spread of Islam, the Crusades and the growth of the cities help in bringing about the Renaissance in western Europe?
9. What do you know about the time division of Mesopotamians?

SECTION-C ( 8 marks each)

10. How did the third century crisis was different than the first and second Centuries a period of peace?
11. Describe in detail what do you know about the economy, agriculture, commerce and urbanisation of the central Islamic period?
12. What were the political changes in Europe during 15<sup>th</sup> and 16<sup>th</sup> Centuries ?
13. Complete a timeline providing clues of the following:  
Beginning of Earth, beginning of mammals and man, beginning of recorded history, invention of fire and beginning of settled life.

SECTION –D (5 marks each)

Read the given passages and answer the questions that follows-

14.

YASA

In 1221, after the conquest of Bukhara, Genghis Khan had assembled the rich Muslim residents at the festival ground and had admonished them. He called them sinners and warned them to compensate for their sins by parting with their hidden wealth. The episode was dramatic enough to be painted and for a long time afterwards people still remembered the incident. In the late sixteenth century Abdullah Khan, a distant descendant of Jochi, Genghis Khan's eldest son, went to same festival ground in Bukhara. Unlike Genghis Khan however, "Abdullah Khan went to perform his holiday prayers there. His Chronicler, Hafiz-i Tanish, reported this performance of Muslim piety by his master and included the surprising comment: 'this was according to Yasa of Genghis Khan.'

- i. What was Yasa ? 1
- ii. When was Bukhara conquered? 1
- iii. Who won the capital city of Bukhara? 1
- iv. Who was Abdullah Khan? 1
- v. Write any two moral values depicted by Yasa. 1

15.

The Seal-An Urban Artefact

In India, early stone seals were stamped. In Mesopotamia until the end of the first millennium BCE, cylindrical stone seals, pierced down the centre, were fitted with a stick and rolled over wet clay so that a continuous picture was created. They were carved by very skilled craftsmen, and sometimes carry writing: the name of the owner, his god, his official position, etc. A seal could be rolled on clay covering the string knot of a cloth package or the mouth of a pot, keeping the contents safe. When rolled on a letter dweller's role in written on a clay tablet, it became a mark of authenticity. So the seal was the mark of a city public life.

- i. Who carved the seals during Mesopotamian civilization? 1

- ii. What do you see on each of the seals? 1
  - iii. What does the inscribed sign describe? 1
  - iv. Mesopotamians valued city life in which people of many Communities and cultures lived side by side. Mention some of the facts regarding this. 2
16. In the twelfth century, Abbess Hildegard of Bingen wrote: 'Who would think of herding his entire cattle in one stable- Cows, donkeys, sheep, goats without difference? Therefore it is necessary to establish difference among human beings so that they do not destroy each other. God made distinctions among his flock, in heaven as on earth. All are loved by him, yet there is no equality among them.'
- i. Who has written the above lines? 1
  - ii. 'It is necessary to establish difference among human beings ? What reason has been given in its favour? 2
  - iii. Do you agree with the views of Abbess Hildegard? Give an argument in support of your answer? 2

SECTION-E (5 marks)

17. On the map mark and locate the following states:
- i. Rome ii. Florence iii. Venice iv. Padua v. Mantua

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**Half Yearly Examination**  
**Class - XI**  
**Subject - Mathematics**

**Time 3 hours**

**M.M:100**

**General Instructions:**

- Section A consists of 4 questions of 1 mark each.
- Section B consists of 8 questions of 2 marks each.
- Section C consists of 11 questions of 4 marks each.
- Section D consists of 6 questions of 6 marks each.

**Section A**

1. Write the interval in set builder form  
(i) (6,2) (ii) (-3,0)
2. Let  $A = \{1, 2\}$ ,  $B = \{3, 4\}$ . Write  $A \times B$  and how many subsets will  $A \times B$  have.
3. Solve  $5x - 3 < 3x + 1$  when  
(i)  $x$  is an integer. (ii)  $x$  is a Real number
4. Find the value of  $\sin 75^\circ$ .

**Section B**

5. If  $U = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$ ,  $A = \{2, 4, 6, 8\}$  and  $B = \{2, 3, 5, 7\}$ , verify that  
(i)  $(A \cup B)' = A' \cap B'$  (ii)  $(A \cap B)' = A' \cup B'$
6. Define the function  $f: \mathbb{R} \rightarrow \mathbb{R}$  by  $y = f(x) = x^2$ ,  $x \in \mathbb{R}$ . what is domain and range of this function?
7. Find the value of trigonometric function  
(i)  $\sin(765^\circ)$  (ii)  $\tan \frac{19\pi}{3}$
8. Prove that  $1^2 + 2^2 + 3^2 + \dots + n^2 > n^2/3$ ,  $n \in \mathbb{N}$  by using PMI method.
9. Express the following in the form of  $a + ib$ :  
$$\frac{5 + \sqrt{2}i}{1 - \sqrt{2}i}$$
10. The marks obtained by a student of class XI in first and second terminal examination are 62 and 48 respectively. Find the minimum marks he should get in the annual examination to have an average at least 60 marks.
11. Find the mean deviation about the mean for the following data  

|       |   |    |    |    |    |
|-------|---|----|----|----|----|
| $x_i$ | 5 | 10 | 15 | 20 | 25 |
| $f_i$ | 7 | 4  | 6  | 3  | 5  |

12. Find the mean deviation about the median for the following data  
4, 7, 8,9,10,12,13,17

### Section C

13. In a committee, 50 people speak french, 20 speak spanish and 10 speak both Spanish and french. How many speak atleast one of these two languages?
14. Let  $f(x) = x^2$  and  $g(x) = 2x+1$  be two real function. Find  $(f+g)(x)$ ,  $(f-g)(x)$ ,  $(fg)(x)$ ,  $(\frac{f}{g})(x)$  at  $x=2$ .

15. Prove that

$$\frac{\cos 4x + \cos 3x + \cos 2x}{\sin 4x + \sin 3x + \sin 2x} = \cot 3x.$$

16. Prove that

$$1.2+2.3+3.4+\dots\dots\dots +n(n+1) = \left[\frac{n(n+1)(n+2)}{3}\right] \text{ by PMI Method.}$$

17. Find the conjugate of

$$\frac{(3-2i)(2+3i)}{(1+2i)(2-i)}.$$

18. Solve the following system of inequality graphically
- $$3x+4y \leq 60$$
- $$X+3y \leq 30$$
- $$x \geq 0, y \geq 0$$

19. Find the mean deviation from the median for the following data:

| Marks           | 0-10 | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 |
|-----------------|------|-------|-------|-------|-------|-------|
| Number of girls | 6    | 8     | 14    | 16    | 4     | 2     |

20. The longest side of a triangle is 3 times the shortest side and the third side is 2cm shorter than the longest side. If the perimeter of the triangle is atleast 61cm, find the minimum length of shortest side.
21. Find the mean and standard deviation using shortcut method
- |       |    |    |    |    |    |    |    |    |    |
|-------|----|----|----|----|----|----|----|----|----|
| $x_i$ | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 |
| $f_i$ | 2  | 1  | 12 | 29 | 25 | 12 | 10 | 4  | 5  |
22. If  $\sin x = \frac{3}{5}$ ,  $\cos y = \frac{-12}{13}$ , where x and y both lie in second quadrant, find the value of  $\sin(x+y)$ .
23. If  $x+iy = \frac{a+ib}{a-ib}$ , prove that  $x^2 + y^2 = 1$ .

**Section D**

24. If  $z_1 = 2-i$ ,  $z_2 = 1+i$ , find  $\left| \frac{z_1+z_2+1}{z_1-z_2+1} \right|$ .
25. In a survey of 60 people, it was found that 25 people read newspaper H, 26 read newspaper T, 26 read newspaper I, 9 read both H and I, 11 read both H and T, 8 read both T and I, 3 read all the three newspaper find
- (i) The number of people who read atleast one of the newspapers.
  - (ii) The number of people who read exactly one newspaper.
26. Find the range of the following functions
- (i)  $f(x) = 2-3x$ ,  $x \in \mathbb{R}, x > 0$ .
  - (ii)  $f(x) = x^2+2$ ,  $x$  is a real number.
  - (iii)  $f(x) = x$ ,  $x$  is a real number.
27. Prove that  $x^{2n} - y^{2n}$  is divisible by  $x + y$  using the principle of mathematical induction for all  $n \in \mathbb{N}$ .
28. Find the general solution of  $\sin x + \sin 3x + \sin 5x = 0$ .
29. Find the mean, variance and standard deviation using short cut method.

|                          |       |       |       |       |       |            |             |             |             |
|--------------------------|-------|-------|-------|-------|-------|------------|-------------|-------------|-------------|
| Height<br>In cm          | 70-75 | 75-80 | 80-85 | 85-90 | 90-95 | 95-<br>100 | 100-<br>105 | 105-<br>110 | 110-<br>115 |
| Number<br>Of<br>children | 3     | 4     | 7     | 7     | 15    | 9          | 6           | 6           | 3           |

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