

**ST. PBN PUBLIC SCHOOL**  
**ANNUAL EXAMINATION (SAMPLE PAPER)**  
**CLASS – XI**  
**SUBJECT – ENGLISH**

**TIME- 3 HRS.**

**MM. 80**

**GENERAL INSTRUCTIONS:**

1. ALL QUESTIONS ARE COMPULSORY.
2. FOLLOW THE INSTRUCTIONS GIVEN WITH ALL QUESTIONS.

**SECTION A READING (26 MARKS)**

**Q1. Read the following passage carefully and answer the questions that follow. 12M**

Travel is a bug that was in me when I was born, probably inherited from my father. In 24 years of travelling widely through India, I have been most fascinated by those little islands that dot the Bay of Bengal off the East Coast of India. Yes, I am talking about the Andaman Islands. Andamans somehow seemed almost sinister, with images of being haunted, bleak and scary, until my parents actually returned from a trip to Port Blair and told us about these serene islands. We immediately awaited the first opportunity to take a break and check them out. Finally, the D-Day came and we were all ready. We boarded the aircraft and to our surprise found that there were several empty seats. On enquiry, we learnt that all supplies to the Andamans including newspaper and meat go from the mainland and so there is always more cargo and less people.

Port Blair airport is a small, old airport that was constructed in 1947. On my way to the hotel I noticed that there are none of the usual autorickshaws that noisily wend their way through most Indian towns. There was only one traffic signal in the entire town and the roads were more ups-and-downs than level. This was all surprising for a person like me who has lived in the coastal towns of Chennai and Mumbai. The colour of the sea was an unpolluted blue, a colour that I had not seen in any of the beaches in India. It was calm and beautiful. I was thrilled with the fact that we were going to spend 10 entire days there. All we had to do was sit in the open restaurant, look at the sea, enjoy the cool breeze and feel good.

The Andaman Islands are a group of several islands, so most of our sightseeing was by boats. There are a total of more than 356 islands there. Even the oldest boatman, Rathnarn, had seen only 200 of them. I figured that 10 days was surely not enough to get a full picture of this place, so I started to store every sight, every sound and every smell. The sound and light show at the jail sent a shiver down my spine. (This trip was before the movie 'Kalapani' was released). The realisation that those who fought for our Independence had lived, struggled, suffered and even died here left an impact.

a) On the basis of your reading of the above passage, answer the following (1×6=6) questions by choosing the correct option.

- (i) What kind of a passage is this?
- (a) Fiction
  - (b) Travelogue
  - (c) Persuasive

(d) Biography

(ii) Why was the author interested in taking a trip to Andaman Islands?

- (a) It had a haunted, bleak and scary image.
- (b) As his parents had not recently taken a trip there.
- (c) He loved travelling.
- (d) He was largely fascinated by what his parents told him about the islands.

(iii) Why was the author surprised when he reached Port Blair?

- (a) The airport was very big.
- (b) There was no traffic signal in the entire town.
- (c) Living in a busy city, he had never expected such a town.
- (d) None of the above.

(iv) What is the meaning of the phrase 'sent a shiver down my spine'?

- (a) Feel very frightened
- (b) Feel very excited
- (c) Feel very relaxed
- (d) None of these

(v) The synonyms of 'sinister' in the second paragraph is ...

- (a) threatening
- (b) left side
- (c) benign
- (d) good

(vi) One thing that left a major impact on the author was ...

- (a) the serenity of the place
- (b) the wholesome experience
- (c) vastness of the islands
- (d) the realisation that freedom fighters had lived, struggled and died there

b) On the basis of your reading of the passage, answer the following questions briefly.

- (i) Why were there several empty seats in the aircraft?
- (ii) What was unusual about Port Blair?
- (iii) How did the author describe the beaches?
- (iv) Why was most of their sightseeing by boats?
- (v) The word ..... in para 1 means 'provisions'.
- (vi) The word in the passage which is an antonym of 'contaminated' is..... (para 2)

**Q2. Read the text carefully and answer the questions: 8M**

1. Millions of tons of small waste from plastic bags, bottles and clothes in the world's ocean present a serious threat to human health and marine environment. This is a warning issued by the U.N. in a report on the most dangerous environmental problem facing the world today. Global plastic production has increased considerably in years nearly by 38%.

2. A poor waste management means when we have finished with our takeaways contains cigarette butts and party balloons, they are worn down into trillions of even small particles by the waves. Therefore, there is a growing presence of these micro plastic the world's oceans.

3. It was estimated in 2010 that millions of tons of plastic was washed into the sea since shown up in the stomachs of whales, plankton and other marine life. Richard Thompson, professor of marine biology said that in laboratory experiments the proof that micro plastic can cause harm to organisms.

4. More than a quarter of all fish now contained plastic, according to a recent study which analysed the guts of fish sold in California. Scientists fear that chemicals in plastic and other chemicals which attach themselves to plastic in natural environment could each be poisoning and many disorders in marine life if consumed in huge quantities.

5. Even humans could be adversely affected by the plastic. People could even be breathing in plastic micro-particles suspended in the air with the risk of harmful effects on the lungs similar to air pollution.

6. Volunteers around the world collect trash and tally up what they find on the beach in Ocean Conservancy's Annual International Coastal Cleanup. The result item-by-item, location-by-location Ocean Beach Index provides the only snapshot of marine debris littering coasts and waterways around the world, according to Ocean Conservancy.

7. Boya Slat, a Dutch student has developed a technology that could sift dangerous plastic particles out of the ocean and sell them for profit or recycling. Richard Thompson recommended that people avoid using products with micro beads and to make sure they dispose of all plastic products in an appropriate way by, if possible.



i. Select the option that is true for the two statements given below.

(1) More than a quarter of all fish now have plastics present in them.

(2) Millions of tons of plastic waste is present in the world's oceans.

1. (1) is the result of (2)

2. (1) is the reason for (2)

3. Both (1) and (2) are true

4. (1) contradicts (2)

ii. According to the passage, Richard Thompson is a \_\_\_\_\_.

iii. \_\_\_\_\_ provides the only snapshot of marine debris littering coasts and waterways.

iv. Through what does the cigarette butts and party balloons worn down into smaller particles?

v. We can find out that more than a quarter of all fish contained plastics in them by:

1. the stark warning issued by the UN in a report on the most dangerous environmental problems facing the world today.

2. collecting trash and tallying up what they find each day.

3. laboratory experiments performed by Richard Thompson a profession marine biology.

4. analysing the fish sold in California.

vi. Choose the correct set of statement which is NOT TRUE.

(I) Plastic could have similar effects like car fumes.

(II) Chemicals which attach themselves to plastic in natural environment could cause poisoning in marine life.

(III) Humans will never be adversely affected by the plastic.

(IV) In 2001, Millions of tons of plastic was washed into the sea.

(V) There is a growing presence of micro plastics in the world's oceans.

1. (II), (V)

2. (I), (V)

3. (I), (II)

4. (III), (IV)

vii. What amount of paper bags in the index are diffused into the oceans?

viii. Fill in the blank with with the correct option.

There are \_\_\_\_\_ beverage cans found in the index.

1. 337,865

2. 339,875

3. 339,445

4. 333,347

**Q3. Read the passage carefully. 8M**

1. Conversation is indeed the most easily teachable of all arts. All you need to do in order to become a good conversationalist is to find a subject that interests you and your listeners. There are, for example, numberless hobbies to talk about. But the important thing is that you must talk about other fellow's hobby rather than your own. Therein lies the secret of your popularity. Talk to your friends about the things that interest them, and you will get a reputation for good fellowship, charming wit, and a brilliant mind. There is nothing that pleases people so much as your interest in their interest.

2. It is just as important to know what subjects to avoid and what subjects to select for good conversation. If you don't want to be set down as a wet blanket or a bore, be careful to avoid certain unpleasant subjects. Avoid talking about yourself, unless you are asked to do so. People are interested in their own problems not in yours. Sickness or death bores everybody. The only one who willingly listens to such talk is the doctor, but he gets paid for it.

3. To be a good conversationalist you must know not only what to say, but how also to say it. Be mentally quick and witty. But don't hurt others with your wit. Finally try to avoid mannerism in your conversation. Don't bite your lips or click your tongue, or roll your eyes or use your hands excessively as you speak.

4. Don't be like that Frenchman who said, "How can I talk if you hold my hand?"

**3.1 Make notes on the contents of above paragraph, using abbreviations. Supply a suitable title also. 5M**

**3.2 Make a summary of the passage. 3M**

**SECTION – B GRAMMAR AND CREATIVE WRITING (23 MARKS)**

Q.4 Fill in the blanks with correct form of the verb.

1. After Howard \_\_\_\_\_ his studies he intends to work in his father's company. (FINISH)

2. I \_\_\_\_\_ the instructions on the test sheet when the headmaster came in and wished all of us good luck. (READ)

3. By the time I finish my thesis I \_\_\_\_\_ on it for over three years. (WORK)

4. Ancient Greek athletes received a wreath of olives after they \_\_\_\_\_ a race. (win)

**Q5. Rearrange the following words or phrases to make meaningful sentences: 3M**

1. a/ lover/ is/ animal/ passionate/ he

2. campaigned/ birds/ he/ caged/ free/ to

3. to/ her/ first/ Sudha/ stand/ hard/ class/ is/ studying/ in

**Q6.** You are Ram/Rajani. Draft a classified advertisement, in not more than 50 words, to be published in India Times for the sale of a used motor car giving all the necessary details. You can be contacted at 12345679. 3M

**OR**

You are Vikram/Sonia, an Honours's graduate in history with specialization in Medieval India. You are well acquainted with places of historical interest in Delhi, Agra and Jaipur. You are looking for the job of tourist guide. Write an advertisement in about 50 words for the situations wanted column of a local newspaper. Your contact no. 999751234.

**Q7.** Design a poster on the topic "Say No To Plastics." 3M

**OR**

Design a poster on the topic "Save Water."

**Q8.** As Mukul / Mahima of Alps Public School, write a speech to be delivered in school assembly highlighting the importance of cleanliness suggesting that the state of cleanliness reflects the character of its citizens. (150-200 words) 5M

**OR**

You are Ali/Alia, Head girl / Head boy of your school. You are deeply disturbed by the rising cases of aggressive behaviour of students in your school. You decide to speak during the morning assembly about it. Write a speech on 'Indiscipline in Schools'. (150 – 200 words)

**Q9.** "Academic excellence is the only requirement for a successful career." Write a debate either for or against the motion. (120 – 150 words) 5M

**OR**

Social media (Facebook, Twitter, etc.) is being used to create disaffection in society.' Write a debate in 120-150 words either for or against the motion. (7marks)

### **SECTION C LITERATURE (31 MARKS)**

**Q10.** Read the extract given below and answer any two of the questions that follow. 3M

When did my childhood go?

Was it the time I realised that adults were not all they seemed to be,

They talked of love and preached of love,

But did not act so lovingly,

Was that the day!

1. Who is 'my' in the above lines?

2. Why is 'I' confused?

3. Who talk of love and preach of love?

**Q11. Read the given passage and answer the questions that follow. (1x3=3M)**

He was just a teenager when he died. The last heir of a powerful family that had ruled Egypt and its empire for centuries, he was laid to rest laden with gold and eventually forgotten. Since the discovery of his tomb in 1922, the modern world has speculated about what happened to him, with murder being the most extreme possibility.

1. Who is the author of these lines ?
2. Who is 'he' in these lines ?
3. What has happened to 'he' recently?

**Q12. Read the given passage and answer the questions that follow. (1x4 = 4M)**

When the curtain rises it is an afternoon in early autumn and the stage can be well lit. Mrs Pearson at right, and Mrs Fitzgerald at left, are sitting opposite each other at the small table, on which are two teacups and saucers and the cards with which Mrs Fitzgerald has been telling Mrs Pearson's fortune. Mrs Pearson is a pleasant but worried-looking woman in her forties. Mrs Fitzgerald is older, heavier and a strong and sinister personality. She is smoking. It is very important that these two should have sharply contrasting voices.

1. What is the name of the play?
2. Where is the scene set ?
3. How are Mrs. Pearson and Mrs. Fitzgerald related?
4. What was the contrast between the voices of the two ladies?

**Q13. Answer the following questions in 40-50words. (ANY TWO) 3x2=6M**

1. Mention how the sparrows expressed their sorrow when the author's grandmother died.
2. What was the narrator's experience when she entered the house?
3. Explain the statement, "King Tut is one of the first mummies to be scanned — in death, as in life ..."

**Q14. Answer any one of the following questions in 40-50words. 3x1=3M**

1. What was Mr Pearson called behind his back in the club? Why was he called so?
2. What efforts did Andrew make to revive Susan Morgan? (Birth)

**Q15. Answer any one of the following question (ANY ONE) in about 100-120 words. (6x1=6M)**

How did the narrator and his companions save the boat from sinking?

**OR**

Write the character sketch of the grandmother.

**Q16. Answer any one of the following question (ANY ONE) in about 100-120 words. (6x1=6M)**

Compare and contrast the characters of Mrs Fitzgerald and Mrs Pearson. Who do you admire and why? (Mother's Day)

**OR**

How did the narrator come to know about Mrs Dorling and the address where she lived?



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**CLASS- XI**  
**SUBJECT- ACCOUNTANCY**

**Time: 3Hrs**

**MM: 80**

**GENERAL INSTRUCTIONS:**

1. This question paper contains 34 questions. All questions are compulsory.
2. Question 1 to 20 carries **1** mark each.
3. Questions 21 to 26 carries **3** marks each.
4. Questions from 27 to 29 carries **4** marks each
5. Questions from 30 to 34 carries **6** marks each
6. There is no overall choice. However, an internal choice has been provided in 7 questions of **one mark**, 2 questions of **three marks**, 1 question of **four marks** and 2 questions of **six marks**.

1. State whether the statements is True or False: (1)  
In Cash Basis of accounting, matching principle is not followed.
2. According to which concept even the proprietor of the business is treated as a creditor of the business: (1)  
(a) Going concern concept (b) Cost concept  
(c) Business Entity concept (d) Accounting Period concept
3. Single Entry System of book keeping is: (1)  
(a) Inaccurate (b) Unsystematic  
(c) Unscientific (d) All of these  
**OR**
- Accounting Standards should be :  
(a) Simple (b) Understandable  
(c) Simple and Understandable (d) According to the nature of each Enterprise
4. What are Natural Personal Accounts? Give one example. (1)  
**OR**  
Wages paid to Suresh Rs. 1,000 will be debited to:  
(a) Suresh A/c (b) Wages A/c  
(c) Personal A/c (d) Capital A/c
5. Trial Balance is prepared: (1)  
(a) Before Journal (b) After Journal  
(c) Before Ledger (d) After Ledger
6. **Assertion (A):** Creation of provision is necessary and not voluntary.  
**Reasoning (R):** It is created even if there are no profits. Thus, it is a charge against profits.

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true, but R is not the correct explanation of A.
- (c) A is true, but R is false.
- (d) A is false, but R is true.

**OR** (1)

In accrual basis recording is made of:

- (a) Cash transactions (b) Credit transactions
- (c) Cash as well as credit transactions (d) None of the above

7. An old machinery was sold to Manish for Rs. 56,000. Name the book in which this entry will be recorded. (1)

8. State whether the statements is True or False:  
Provision is made to meet an unknown liability.

**OR** (1)

Give two examples of Revenue Expenditure

9. **Match the following :-** (1)

**Column A**

**Column B**

- |                                         |                                        |
|-----------------------------------------|----------------------------------------|
| (i) Increase of Assets & Liabilities    | (a) Investment of capital in business. |
| (ii) Decrease of Assets and Liabilities | (b) Drawings or Expenses.              |
| (iii) Increase of Capital and Assets    | (c) Payment of Liabilities.            |
| (iv) Decrease of Capital and Assets     | (d) Credit purchase of Assets.         |

10. Concept of \_\_\_\_\_ requires that the same accounting methods should be used from one accounting period to the next. (1)

11. Which accounting principle is ignored under single entry and followed under double entry system? (1)

12. **Assertion (A):** GST has replaced many indirect taxes levied by Centre and State Governments..

**Reasoning (R):** Central level taxes that have merged into GST are excise duty, services tax and central sales tax. (1)

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true, but R is not the correct explanation of A.
- (c) A is true, but R is false.
- (d) A is false, but R is true

13. Give a formula to calculate 'Cost of Goods Sold'. (1)

14. State whether the statements is True or False: (1)  
The full form of CGST is City Goods & Service Tax.

15. **Match the following :-**

**Column A****Column B**

- (i) Commission Received
- (ii) Prepaid Insurance
- (iii) Goodwill
- (iv) Capital Account

- (a) Natural Personal A/c
- (b) Real Account
- (c) Nominal Account
- (d) Representative Personal A/c

**OR**

(1)

**Assertion (A):** Assets are always recorded in the books of accounts at the price paid to acquire them.

**Reasoning (R):** As per money measurement concept assets have to be recorded at cost price only.

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true, but R is not the correct explanation of A.
- (c) A is true, but R is false.
- (d) A is false, but R is true.

16. Credit purchases of furniture will be recorded through which voucher? (1)

- (a) Debit Voucher
- (b) Credit Voucher
- (c) Cash Voucher
- (d) Transfer Voucher

17. Give two points regarding nature of accounting standards.

**OR**

(1)

If the manager is entitled to a commission of 5% on profits before deducting his commission, he will get a commission of Rs. \_\_\_\_\_ on a profit of Rs. 8,400.

- (a) Rs. 400
- (b) Rs. 442
- (c) Rs. 420
- (d) Rs. 440

18. On 1<sup>st</sup> Jan., 2015, Mr. Vadera was appointed as Marketing Manager of the firm with a salary of Rs. 50,000 per month. State whether this event will be recorded in the books of accounts. (1)

19. Amount which the proprietor has invested in a business is known as \_\_\_\_\_.

**OR**

(1)

Estimated sale value of an asset after its working life is called \_\_\_\_\_.

20. Paid to Jigyasa Rs. 11,500 in full settlement of Rs. 12,000. Posting will be made in Jigyasa's A/c : (1)

- (a) Rs. 12,000 on Debit side
- (b) Rs. 12,000 on Credit side
- (c) Rs. 11,500 on Debit side
- (d) Rs. 11,500 on Credit side

21. (a) Under which principle the calibre or quality of the management is not disclosed in the balance sheet? Explain it.

(b) According to which concept, depreciation is to be charged as per one particular method year after year? Explain the concept. (3)

22. Ascertain Cost of Goods Sold and Gross Profit from the following details:

Opening Stock	Rs. 32,000
Purchases	Rs. 2,80,000
Direct Expenses	Rs. 20,000
Indirect Expenses	Rs. 45,000
Closing Stock	Rs. 50,000
Sales	Rs. 4,00,000
Sales Returns	Rs. 8,000

**OR**

(3)

Calculate Net Sales and Gross Profit from the following:

Cost of Goods Sold	Rs. 4,50,000
Gross Profit	25% on Sales

23. Prepare Accounting Equation from the following:

- (a) Started business with Cash Rs. 1,00,000.
- (b) Purchased goods for Cash Rs. 20,000 and on Credit Rs. 30,000.
- (c) Sold goods for Cash costing Rs. 10,000 at a profit of 20% and on Credit costing Rs. 15,000 at a profit of 20%.

**OR**

(3)

Pritam started a business on 1<sup>st</sup> April, 2022 with a capital of Rs. 5,00,000 and a loan of Rs. 1,00,000 borrowed from Prince. During 2022-23 he had introduced additional capital of Rs. 40,000 and had withdrawn Rs. 10,000 for personal use. On 31<sup>st</sup> March, 2023 his assets were Rs. 8,00,000. Find out his capital as on 31<sup>st</sup> March, 2023 and profit made or loss incurred during the year 2022-23.

24. Pass the Journal entries to rectify the following errors:

- (i) Purchases Book is undercast by Rs. 1,000.
- (ii) Wages paid for construction of office debited to Wages Account Rs. 20,000.
- (iii) A credit sale of goods Rs. 1,200 to Ramesh has been wrongly passed through the Purchases Book.

(3)

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

(3)

26. Prepare Purchase A/c, Ramesh's A/c and Suspense A/c with the help of Q.No. 24

(3)

27. Prepare a Bank Reconciliation Statement in the books of Bharti as on 31<sup>st</sup> January, 2023:

- (a) Balance as per Pass book as on 31<sup>st</sup> January, 2023 was Rs. 62,500.
- (b) Cheque of Rs. 17,800 was issued by her on 28<sup>th</sup> January 2023 but this was not presented for payment till 31<sup>st</sup> January, 2023.
- (c) A cheque of Rs. 4,000 issued to Mr. Rahim, was taken in the cash column.
- (d) A cheque of Rs. 15,000 was paid into bank but was omitted to be entered in the cash book.

(e) The bank has charged Rs. 55 as its commission and has allowed interest Rs. 50.

(4)

28. Enter the following transactions in Purchases Book of M/s.Gurman Brothers, Mumbai: 2023

April 1 Purchased goods from Joshi Bros., Mumbai vide Invoice No.210:  
10 Philips Tubelights @ Rs. 200 each  
50 Crompton Bulbs @ Rs. 100 each  
Trade Discount is 10%

April 6 Purchased against cash 20 Havell's Tubelights @ Rs.180 each less 10% Trade Discount

April 10 Purchased goods from Rajesh Electric Store, Delhi vide Invoice No.18:  
25 Heaters @ Rs. 800 each, 10% Trade Discount  
15 Crompton Fans @ Rs. 1,600 each, 10% Trade Discount  
Paid packing charges Rs. 100

April 15 Purchased a Laptop for Rs. 50,000 from Computer Mart (4)

29. Read the following hypothetical Case Study and journalise the transactions in the books of M/s Designer Wear

Aruna, decided to start business of fashion garments under the name of M/s Designer Wear from 1st April, 2021. She had savings of Rs. 10,00,000. She invested Rs. 3,00,000 out of her savings and also borrowed Rs. 3,00,000 from State Bank of India. She purchased a commercial space of 500 sq. feet for Rs. 5,00,000. The space so purchased was suitably renovated to make it ready as showroom. She purchased furniture and fixtures for Rs. 75,000.

All payments were to be made by cheque. All the receipts were in cash and to be deposited in the bank in the morning of next day. Charge depreciation @ 5% on building and 10% on furniture and fixtures.

**OR**

(4)

Suchitra started a business on 1<sup>st</sup> April, 2019 with a capital of Rs. 50,00,000. On 31<sup>st</sup> March, 2020 her total Assets were Rs. 60,00,000 and creditors were Rs. 3,00,000. She withdrew during the year for her personal expenses Rs. 10,000 per month upto 30<sup>th</sup> June, 2019 and thereafter Rs. 15,000 per month upto 31<sup>st</sup> March, 2020. During the year she sold her personal investments of Rs. 80,000 at 5% loss and introduced that amount in the business.

You are required to prepare a Statement of Profit or Loss for the year ending 31<sup>st</sup> March, 2020.

30. a) State to which class of accounts does each of the following relate:

- |                         |                   |
|-------------------------|-------------------|
| i) Building             | ii) Salary        |
| iii) Accrued Commission | iv) Rent Received |
| v) Copyrights           | vi) Debtors       |

b) Journalise the following transactions: -

- i. Himanshu who owed us Rs. 30,000 becomes insolvent and a final dividend of 60 paise in a rupee is received from his estate.
- ii. Provide 10% depreciation on furniture costing Rs. 50,000.
- iii. Out of the rent paid this year, Rs. 10,000 is related to next year. (6)

31. Prepare two column Cash Book having Cash and Bank column from the following transactions and balance the book on 31<sup>st</sup> Jan., 2020:

2020

- Jan. 1 Cash in hand Rs. 50,000; Bank Overdraft Rs. 1,90,000
- Jan. 2 Purchased goods from Rajesh Kumar of the list price of Rs. 50,000 at 5% trade discount and payment made by cheque.
- Jan. 6 Goods sold for Rs. 80,000 and payment received by cheque. Cheque deposited into bank on same day.
- Jan. 10 Goods purchased for cash Rs. 19,800
- Jan. 15 Furniture sold for Rs. 1,77,000 and payment received by cheque & cheque deposited into bank on same day.
- Jan. 18 Salaries paid Rs. 4,500
- Jan. 21 Settled the amount due to Ram Rs. 2,000 by paying cash Rs. 1,910
- Jan. 22 Cash received from Jai Rs. 14,780 in full settlement of his account of Rs. 15,000
- Jan. 23 Paid life Insurance premium Rs. 1,500
- Jan. 31 Deposited with Bank the entire balance after retaining Rs. 7,000 cash in hand. (6)

32. 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: (6)

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

33. On 1st April, 2018, following balances appeared in the books of M/s Krishna Traders:

	Rs.
Furniture Account	50,000
Provision for Depreciation on Furniture Account	22,000

On 1st October, 2018 a part of Furniture purchased for Rs. 20,000 on 1st April, 2014 was sold for Rs.5,000. On the same date a new furniture costing Rs. 25,000 was purchased. The depreciation was provided @10% p.a. on original cost of the asset and no depreciation was charged on the asset in the year of sale. Prepare 'Furniture Account' and 'Provision for Depreciation Account' for the year ending 31st March, 2019.

**OR**

(6)

On 1st August, 2010, Hindustan Toys Ltd. purchased a plant for Rs. 12,00,000. The firm writes off depreciation at 10% p.a. on the diminishing balance and the books are closed on 31st March each year. On 1st July, 2012, a part of this plant of which the original cost was Rs. 1,80,000 was sold for Rs. 1,00,000 and on the same date a new plant was purchased for Rs. 4,00,000. Show the Plant Account and Provision for Depreciation Account for three years ending 31st March, 2013.

34. Prepare Trading and Profit & Loss Account and Balance Sheet as at 31<sup>st</sup> March, 2017, from the following balances:

Particular	Rs.	Particular	Rs.
Capital A/c	5,00,000	Stock on 1.4.2016	67,000
Drawings A/c	36,000	Salaries and Wages	24,000
Bills Receivable	5,800	Outstanding Salaries and Wages	2,000
Plant & Machinery	3,80,000	Insurance (including premium of Rs. 1,000 per annum paid upto 30.9.2017)	2,600
Sundry Debtors	58,000	Cash	46,600
Loan A/c (Cr.) at 12% p.a.	20,000	Bank Overdraft	15,000
Manufacturing Wages	40,000	Repairs & Renewals	1,600
Return Inwards	3,000	Interest & Discount (Dr.)	4,400
Purchases	1,20,000	Bad-Debts	4,000
Sales	2,60,000	Sundry Creditors	30,000
Rent	28,000	Fixtures & Fittings	12,000
Commission Received	6,000		

**Adjustments: -**

- Stock on hand on 31<sup>st</sup> March, 2017 was Rs. 80,000.
- Further Bad-debts written off Rs. 2,000 and Create a provision of 5% on Sundry Debtors.
- Rent has been paid up to 31<sup>st</sup> May, 2017.
- Manufacturing wages include Rs. 10,000 of a new Machinery purchased on 1<sup>st</sup> October, 2016.
- Depreciate Plant and Machinery by 10% p.a. and Fixtures and Fittings by 20% p.a.

- f. Commission earned but not received Rs. 1,000.
- g. Interest on Loan for the last two months is not paid.
- h. Goods worth Rs. 4,000 were distributed as free samples.

**OR**

(6)

From the following Trial Balance of Sh. Praveen Kumar, prepare Trading and Profit & Loss Account for the year ending 31<sup>st</sup> March, 2019 and a Balance sheet as at that date:

Dr. Balances	Rs.	Cr. Balances	Rs.
Stock at commencement	40,000	Sales	5,10,000
Purchases	3,20,000	Loan from Mr. Naresh @ 15% pa.	40,000
Return Inward	7,000	Return Outwards	8,000
Sundry Debtors	80,000	Bank	24,200
Cash	9,400	Provision for Doubtful Debts	2,500
Manufacturing Expenses	44,000	Discount	1,800
Trade Expenses	7,200	Rent of premises Sublet, for the year to 30 <sup>th</sup> sep. 2019	4,000
Carriage	3,500	Capital	1,20,000
Salaries & Wages	15,800	Sundry Creditors	47,000
Postage	1,500		
Stationery	800		
Freight Inwards	4,300		
Land & building	2,00,000		
Patents	8,000		
Furniture	10,000		
Insurance Premium	6,000		
	<u>7,57,500</u>		<u>7,57,500</u>

**Adjustments:**

- a. Closing Stock was valued at Rs. 60,000. You are informed that goods valued Rs. 12,000 were sold and dispatched on 29<sup>th</sup> March, 2019, but no entry was passed to this effect.
- b. Insurance premium include Rs. 1,200 paid on 1<sup>st</sup> October, 2018 to run for one year from Oct. 1, 2018 to sept. 30, 2019.
- c. Loan from Mr. Naresh was taken on 1<sup>st</sup> July, 2018. Interest has not been paid so far.
- d. Create provision for Doubtful Debts at 5% on Sundry Debtors after writing off Rs. 600 as bad-debts during the year.
- e. A bill of Rs. 3,200 for advertisement in newspaper remained unpaid at the end of the year.
- f. Purchases include Furniture costing Rs. 5,000 purchased on 1<sup>st</sup> April, 2018.
- g. Charge 10% pa. depreciation on Furniture and write off 1/5<sup>th</sup> of patents.



**ST. PBN PUBLIC SCHOOL**  
**ANNUAL EXAMINATION (SAMPLE PAPER)**  
**BUSINESS STUDIES (054)**  
**Class – XI**

**Time: 3 hours**

**M.M. : 80**

- 1. This question paper contains 34 questions.**
- 2. Marks are indicated against each question.**
- 3. Answers should be brief and to the point.**
- 4. Answers to the questions carrying 3 marks may be from 50 to 75 words.**
- 5. Answers to the questions carrying 4 marks may be about 150 words.**
- 6. Answers to the questions carrying 6 marks may be about 200 words.**
- 7. Attempt all parts of the questions together.**

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Q1. An American firm “Zebzik enterprise” purchased handmade decorative pieces from India, re-packaged and sold them in its own name to Germany. This represents: (1)

- a) Entrepot for Zebzik enterprise, export for India & import for Germany.
- b) Entrepot for Zebzik enterprise, Import for India & export for Germany.
- c) Export for Zebzik enterprise, import for India & entrepot for Germany.
- d) Entrepot for Germany, export for India & import for Zebzik enterprise.

Q2. A company has to apply for the listing of shares in stock exchange; if permission is not received then the allotment will be void. Therefore permission shall be received within: (1)

- a) 7 weeks
- b) 10 weeks
- c) 30days
- d) 10days

Q3. Find any two similarities between joint stock company and cooperative societies. (1)

- a) Limited Liability & Common Seal
- b) Separate Entity & Formation
- c) Limited Liability & Management Control
- d) Separate Entity & Service Motive

Q4. Which of the following insurances is also known as contract of Assurance? (1)

- a) Life insurance
- b) Health insurance
- c) Fire insurance
- d) Marine insurance

Q5. Which of the following cards allows spending money only up to the balance in your account? (1)

- a) Debit Card
- b) Credit Card
- c) Visa Card
- d) Master Card

Q6. Match the columns and choose the correct alternatives:

(1)

Column 1	Column 2
A. Creation of utilities	i. E-business
B. Selling and Distribution	ii. Intra-B
C. Placing order and giving instruction to supplier	iii. B2B
D. Using internet facilities for business	iv. B2C

a) A-iii, B-iv, C-ii, D-i

b) A-iii, B-ii, C-i, D-iv

c) A-ii, B-iv, C-i, D-iii

d) A-i, B-ii, C-iii, D-iv

Q7. Read the statement carefully and choose the correct alternative:

**Statement I:** There is high investment for setting up in e-business.

**Statement II:** e-business is also helpful in personnel recruitment, selection and training.

(1)

a) Both the statements are true.  
the statements are false.

b) Statement I is true, Statement II is false.  
d) Statement II is true, Statement I is false.

c) Both

Q8. Identify internal source of finance from the following.

(1)

a) Trade Credit

b) Debentures

c) Equity Shares

d) Inter Corporate Deposits

Q9. To sell readymade garments for children, men, women etc. is the example of:

(1)

a) General Store

b) Single line shop

c) Departmental Store

d) Single Product Shop

Q10. **Assertion (A):** Bank Credit is a permanent source of finance.

**Reason (R):** Though banks have started extending loans for longer periods, generally such loans are used for medium to short periods.

(1)

a) Both A & R are correct, But R is not the correct explanation of A.

b) Both A & R are false.

c) A is false, But R is true.

d) Both A & R are true and R is the correct explanation of A.

Q11. Retained earnings are also known as:

(1)

a) Capital

b) Ploughing back of profit

c) Surplus profit

d) Gross profit

Q12. A Patent grants exclusive rights to the inventor for a period of \_\_\_\_ during which anybody else who wishes to use the patented subject matter needs to seek permission from the patentee, by paying certain cost for the commercial use of such invention. (1)

- a) 2 years
- b) 5 years
- c) 10 years
- d) 20 years

Q13. Which of the following statement is incorrect regarding debentures? (1)

- a) Interest paid on debentures is tax deductible
- b) Debentures do not carry voting rights
- c) It is preferred by investors who want fixed income and less risk
- d) Issue of debenture dilutes the control of equity shareholders on Management.

Q14. Aman is a trader dealing in low cost fashionable footwear. In order to sell his goods he opens his shop on fixed days in different markets. Identify the type of Retail Trade that Aman is running. (1)

- a) Street trader
- b) Periodic market trader
- c) Cheap jacks
- d) Seconds shops

Q15. Which of the following duties is not performed by clearing agent in the import procedure? (1)

- a) Obtaining delivery order
- b) Filling Bill of Entry
- c) Obtaining Letter of Credit
- d) Preparation of Bill of Sight

Q16. WTO was established on: (1)

- a) 1<sup>st</sup> July 1995
- b) 1<sup>st</sup> Jan. 1995
- c) 1<sup>st</sup> April 1995
- d) None of the above

Q17. Who is the Chair person of GST Councillors? (1)

- a) Prime Minister
- b) President
- c) Finance Minister
- d) None of the above

Q18. Ethics are: (1)

- a) Same as Law
- b) Narrower than Law
- c) Broader than Law
- d) None of the above

Q19. Which of the following statement is FALSE for MSME sector in India (1)

- a) MSME sector is the second largest employer of human resources, after agriculture.
- b) MSME is considered being less labour intensive and more capital intensive.

c) MSME in our country supplies an enormous variety of products which include mass consumption goods etc.

d) MSME is considered being more labour intensive and less capital intensive.

Q20. The basic objective of Start-ups India scheme is (1)

a) Trigger an entrepreneurial culture and inculcate entrepreneurial values.

b) Create awareness about the charms of being an entrepreneur.

c) To carve strong eco system for nurturing innovation & startups of country

d) Encourage more dynamic start up by motivating educated youth as a viable career.

Q21. Climax India Pvt Ltd. was formed as a Private Company by a group of five friends. Their business has grown considerably over the years. Now they want to expand their business and for this they need more funds.

They are planning to convert their Company into a Public Company and raise more funds through issue of shares.

Explain any three privileges that the company will have to forego as a Private Company after conversion. (3)

Q22. Distinguish between goods and services by giving proper basis of difference.

**OR** (3)

What are benefits of e-banking to customers?

Q23. Government is planning to construct an expressway. For this, government needs management and technical expertise and financial help to complete it. The Government makes a contract with a private company to construct the expressway.

(a) Identify the form of enterprise.

(b) State any two features of the form of enterprise as identified in part (a).

**OR** (3)

Name the organization which is formed by passing a special Act of Parliament or state legislature. Give two features of such enterprises.

Q24. Differentiate between Owners Funds and Borrowed Funds on the basis of:

i) Investors

ii) Control

iii) Risk (3)

Q25. With the reference to following items identify and explain types of intellectual properties.

i. Darjeeling Tea

ii. Registered Brand Name

(4)

Q26. Ramakant is a successful businessman who is engaged in manufacturing of auto spare parts. The products manufactured by him are sold not only in India, but are also exported to various countries like Singapore, Switzerland, Belgium, etc. On the basis of given case, answer the following questions:

- a) Identify the two kinds of business in which Ramakant is engaged.
- b) Differentiate between the two types of business as identified in part (a) of the question.

**OR** (4)

Write short note on the following:

- a) Bill of lading
- b) Certificate of origin
- c) Mate's receipt
- d) Bill of entry

Q27. Explain the emerging modes of e-business. How is e-commerce different from e-business? (4)

Q28. "A business owes certain obligations towards different groups." Identify those groups and explain the obligations of business towards those groups.

**OR** (4)

What do you mean by the principles derived from social values which guide and govern the conduct of businessmen? Explain the factors governing these principles and values.

Q29. Harmeet Singh owns a large scale retail outlet in Chandigarh. He deals with various kinds of products in his shop like textiles, footwear, cosmetics, stationery, grocery etc. He sells them in different divisions in his big shop.

- a) Identify the type of retail outlet being described in the above lines.
- b) Explain any **three** features of this outlet. (4)

Q30. Daisy Kapoor wants to start a business of home furnishing products. But she is hesitating to go ahead with her plans because of the various kinds of risks which are inherent in every business. She consults her friend Virat in this regard for guidance about ways to overcome such situation effectively in her business.

- i) Describe briefly the various types of business risks.

ii) State any two suggestions which Virat is likely to give to Daisy Kapoor to overcome such situation effectively in her business. (4)

Q31. The business assets of a firm are worth ₹2,00,000 but the debts remain unpaid worth ₹3,00,000. What course of action can the creditors take in the following cases

- a) When the Organization is a Sole Proprietorship Firm.
- b) When the Organization is a Partnership Firm with Ajay and Badal two partners sharing profits equally.
- c) Also explain any three disadvantages of Sole Proprietorship form of business organization.

**OR** (6)

- a) Bhuvan Ltd. Issues 5,00,000 shares of ₹ 10 each for public subscription. Application along with money was received for 4,00,000 shares. Can company allot these shares ? Explain.
- b) Define Articles of Association. Name the clauses of Memorandum of Association.

Q32. Rahul owns a commercial printing press in Mysore. He is planning to import printing machine with the latest technology from Germany. As he is a new entrant in international trade, you are requested to make him understand about the various steps of the import procedure that he needs to undertake before placing an order. (6)

Q33. These are unsecured deposits invited by companies from the public mainly to finance working capital needs. A company can use this source of finance from a period of six months to three years. Therefore, they are primarily a source of short term finance. However, they can be renewed from time to time. Renewal facility enables companies to use them as medium term finance. Amount raised from this source of finance cannot exceed 25% of its share capital and free reserves. Companies prefer this source of finance because they are cheaper than bank loans and investors prefer it because rate of interest on this source is higher than on bank deposits.

- a) Identify the source of finance highlighted in the above case.
- b) Who regulates the source of finance highlighted above? Explain with a reason.
- c) Explain any **three** features of source of finance highlighted above. (6)

Q34. Tata Sons and Singapore Airlines has started jointly Vistara Airlines, an Indian domestic airline based in Gurugram for the common purpose of business expansion.

- a) Identify the kind of arrangement under which the two firms formed Vistara Airlines.
- b) Explain any five benefits of the organization identified in part (a).

**OR** (6)

Steel Authority of India (SAIL) is one of the largest steel making companies in India and one of the Maharatna's of the country's central public sector enterprises .

Vision of SAIL is to be a respected world class corporation and the leader in Indian

steel business in quality , productivity, profitability and customer satisfaction. SAIL was incorporated on 24<sup>th</sup> January' 1973 with an authorized capital of ₹2,000 crore and was made responsible for managing five integrated steel plants at Bhilai , Bokaro Durgapur ,Rourkela and Burnpur, the Alloy Steel Plant and the Salem Steel Plant.

As government is the majority shareholder with 75% stake , it exercises control over affairs of the company.

State **three** merits and **three** demerits of this type of Public Sector Enterprise.

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**ST. PBN PUBLIC SCHOOL**  
**ANNUAL EXAMINATION (SAMPLE PAPER )**  
**SUBJECT - ECONOMICS (030)**  
**CLASS – XI**

**Time: 3 Hours**

**Max Marks: 80**

**General Instructions:**

1. This question paper is divided into two Sections:  
Section A – Micro Economics  
Section B – Statistics
2. This Paper contains 20 Multiple Choice Questions of 1 Mark each.
3. This Paper contains 4 Short Answer Type Questions of 3 Marks each to be answered in 60 to 80 words each.
4. This Paper contains 6 Short Answer Type Questions of 4 Marks each to be answered in 80 to 100 words.
5. This Paper contains 4 Long Answer Type Questions of 6 Marks each to be answered in 100 to 150 words.

**SECTION A –MICRO ECONOMICS**

- Q1.Law of Diminishing Marginal Utility states that as more and more units of a commodity are consumed by a consumer, Marginal utility tends to 1
- a)diminish b)increase  
c)become zero d)stay constant
- Q2.Producer's equilibrium refers to a stage of output at which 1
- a)the firm earns maximum profits  
b)the firm has no inclination of changing output  
c)the firm suffers minimum losses  
d)all of these
- Q3.When  $E_s = 1.6$  supply is \_\_\_\_\_ . 1
- a)perfectly elastic b)perfectly inelastic  
c)elastic d)inelastic
- Q4.Statement 1: Excess of Marginal Revenue over Marginal Cost is better than equality Between them at the point of equilibrium.  
Statement 2 : Marginal Cost should be falling at the point of producer's equilibrium. 1
- a) Statement 1 is true and Statement 2 is false  
b) Statement 1 is false and Statement 2 is true  
c) Both statements 1 and 2 are true  
d) Both statements 1 and 2 are false
- Q5. Define Elasticity of Supply. How is it calculated ? 1
- Q6.Which of the following influences Price Elasticity of demand? 1
- a)Price of given commodity b)Availability of substitute goods  
c)Price of substitute goods d)Price of complementary goods



- Q7. Price discrimination is a feature of \_\_\_\_\_ . 1
- Q8. Define AR and TVC with examples. 1
- Q9. Define PPC Curve with diagram. 1
- Q10. When both demand and supply curves shift to increase demand and supply in same proportion 1
- a) only equilibrium price remains unchanged  
 b) only equilibrium quantity remains unchanged  
 c) equilibrium price remains unchanged but equilibrium quantity decreases  
 d) equilibrium price remains unchanged but equilibrium quantity increases

Q11. Distinguish between positive economics and normative economics. 3

OR

Distinguish between microeconomics and macroeconomics.

Q12. State the relationship between marginal cost and average cost. 3

Q13. The demand function of commodity 'X' is given as  $Q_X = 30 - P_X$ . Calculate its price elasticity of demand when price falls from ₹8 to ₹5. 4

OR

Distinguish between change in demand and change in quantity demanded.

Q14. Define long run production function. State the relation between total product and marginal product. 4

Q15. Define market supply. Explain the effect of rise in input price on the supply of a good. 4

Q16. Explain the conditions of consumer's equilibrium under indifference curve approach. 6

Q17. Distinguish between 'price ceiling' and 'price floor'. Explain implications of price ceiling. 6

### **SECTION B – STATISTICS**

Q17. Define consumption. 1

Q18. In random Sampling 1

- (a) Each element has equal chance of being selected  
 (b) Each element has unequal chance of being rejected.  
 (c) Each element has equal chance of being rejected.  
 (d) Both (a) and (c)

Q19. Non e-sampling errors are related to collection of data (True/False) 1

Q20. In case of \_\_\_\_\_ ogive the cumulative total tends to decrease. (less than/more than) 1

Q21. Find the correct option from the following. 1

(a) Mode = 3 median – 2 mean

(b) Mode = 2 median – 3 mean

(c) median = 3 mode – 2 mean

(d) Mean = 3 median – 2 mode

Q22. Which measure of central tendency cannot be calculated by graphic method: 1

(a) Mode (b) Median

(c) Mean (d) None of these

Q23. What is the graphical measure available to measure of dispersion. 1

(a) Frequency polygon (b) Histogram

(c) Ogive curve (d) Lorenz curve

Q24. Variance is the square of \_\_\_\_\_. (Mean Deviation/ Standard deviation) 1

Q25. In India inflation is measured on the basis of wholesale price index. 1

(True/False)

Q26. Maximum value of coefficient of correlation is 1

(a) 0 (b) -1

(c) +1 (d)  $\mu$

Q27. Distinguish between sampling error and non sampling error. 3

Q28. Write three demerits of mode. 3

Q29. Calculate mean by step-deviation method from the following data: 4

C.I.	5-15	15-25	25-35	35-45	45-55	55-65
Frequency	15	19	13	21	14	10

Q30. Calculate standard deviation from the following distribution. 4

Class	20-40	40-80	80-100	100-120	120-140
Frequency	3	6	20	12	9

Q31. Calculate coefficient of rank correlation unit with the help of spearman's Rank correlation method. 4

x	30	25	35	43	27	25	31	33
y	32	30	26	28	27	31	34	28

Q32. Explain the functions of statistics.

6

Q33. Calculate Price Index by

6

a) Laspreys Price Index

b) Paasche Price Index

c) Fisher Price Index

Commodity	1999 (P)	1999 (Q)	2008 (P)	2008 (Q)
A	2	200	3	300
B	8	72	10	100
C	12	60	15	90
D	7	49	10	80

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**St. PBN PUBLIC SCHOOL**  
**ANNUAL EXAMINATION (SAMPLE PAPER)**  
**MATHEMATICS**  
**CLASS - IX**

**TIME: 3 Hours**

**MM: 80**

**NAME:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**General Instructions:**

- Section A consists of 20 questions of 1 mark each.
- Section B consists of 5 questions of 2 marks each.
- Section C consists of 6 questions of 3 marks each.
- Section D consists of 4 questions of 5 marks each.
- Section E has 3 case based integrated units of assessment (04 marks each) with sub parts of the value 1, 1 and 2 marks each respectively.

**Section A**

1. Decimal representation of a rational number cannot be
  - (i) Terminating
  - (ii) Non-terminating repeating
  - (iii) non-terminating
  - (iv) non terminating and non-repeating.
2. Which of the following is an irrational number?
  - (i)  $2.\bar{5}$
  - (ii)  $\pi$
  - (iii) 2.477
  - (iv)  $1.2\bar{77}$ .
3. If  $p(x)=x^3+2x+1$  is divided by  $x-2$  then the remainder is
  - (i) 13
  - (ii) 10
  - (iii) 12
  - (iv) None of these
4. If  $(x+1)$  is a factor of the polynomial  $p(x)=2x^2+kx$ , then  $k=$ 
  - (i) -3
  - (ii) 4
  - (iii) 3
  - (iv) 2
5. A point both of whose coordinates are negative lies in the
  - (i) First quadrant
  - (ii) Second quadrant
  - (iii) third quadrant
  - (iv) forth quadrant
6.  $x=5, y=2$  is a solution of the linear equation
  - (i)  $x+2y=7$
  - (ii)  $5x+2y=7$
  - (iii)  $x+y=7$
  - (iv)  $5x+y=7$
7. Angles of a triangle are in the ratio 2:4:3. The smallest angle of the triangle is
  - (i)  $60^\circ$
  - (ii)  $40^\circ$
  - (iii)  $80^\circ$
  - (iv)  $20^\circ$

8. Two sides of a triangle are of lengths 5 cm and 1.5 cm. The length of the third side of the triangle cannot be
- (i) 3.6 cm (iii) 4.1 cm  
(ii) 3.8 cm (iv) 3.4 cm
9. In quadrilateral ABCD, if  $\angle A = 60^\circ$  and  $\angle B : \angle C : \angle D = 2 : 3 : 7$ , then  $\angle D =$
- (i)  $175^\circ$  (iii)  $150^\circ$   
(ii)  $135^\circ$  (iv) none of these.
10. Consecutive angles of a parallelogram are
- (i) equal (iii) complementary  
(ii) supplementary (iv) none of these
11. Longest chord of a circle is called its
- (i) Radius (iii) diameter  
(ii) Secant (iv) none of these
12. Given three non-collinear points A, B and C. The number of circle which can be drawn through these three points is
- (i) two (iii) zero  
(ii) three (iv) one
13. It is not possible to construct a triangle whose sides are
- (i) 3 cm, 3 cm, 6 cm (iii) 15 cm, 8 cm, 17 cm  
(ii) 5 cm, 12 cm, 13 cm (iv) 3 cm, 4 cm, 5 cm.
14. The sides of a triangle are 3 cm, 4 cm and 5 cm; its area is
- (i)  $12 \text{ cm}^2$  (iii)  $6 \text{ cm}^2$   
(ii)  $15 \text{ cm}^2$  (iv)  $9 \text{ cm}^2$
15. The base radius of a cone is 5 cm and its height is 12 cm. Its slant height is
- (i) 19.5 cm (iii) 13 cm  
(ii) 26 cm (iv)  $13 \text{ cm}^2$
16. The perimeter of an equilateral triangle is 60 m. Its area is equal to
- (i)  $20\sqrt{3} \text{ m}^2$  (iii)  $15\sqrt{3} \text{ m}^2$   
(ii)  $50\sqrt{3} \text{ m}^2$  (iv)  $100\sqrt{3} \text{ m}^2$
17. A right circular cylinder has radius 3.5 cm and height 10 cm. Its volume is
- (i)  $385 \text{ cm}^3$  (iii)  $365 \text{ cm}^3$   
(ii)  $380 \text{ cm}^3$  (iv) none of these
18. If a point A lies in between B and C, then
- (i)  $BD = \frac{1}{2}AC$  (iii)  $AC = BC$   
(ii)  $AC = 2BC$  (iv)  $AB + AC = BC$

## ASSERTION – REASON BASED QUESTIONS

In the following questions, a statement of Assertion(A) is followed by a statement of Reason(R). Choose the correct answer out of the following choices.

- a) Both (A) and (R) are true and (R) is the correct explanation of (A).
- b) Both (A) and (R) are true and (R) is not the correct explanation of (A).
- c) (A) is true but (R) is false.
- d) (A) is false but (R) is true.

19. **Assertion(A):** Everything equal to itself.

**Reason(R):** Things which coincide with one another are equal to one another.

20. **Assertion(A):** The area of an isosceles triangle with base  $a$  and each of the equal sides equal to  $13$  cm is  $60$  cm<sup>2</sup>.

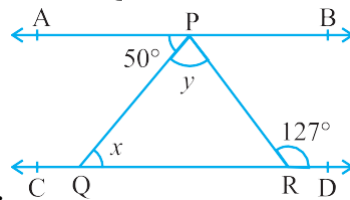
**Reason(R):** The area of an isosceles triangle with base  $a$  and each equal side  $b$  is  $\frac{b}{4}\sqrt{4a^2 - b^2}$ .

### Section B

21. Show that  $0.6666\dots = 0.\overline{6}$  can be expressed in the form  $\frac{p}{q}$ , where  $p$  and  $q$  are integers and  $q \neq 0$ .

22. Locate the points  $(5, 0)$ ,  $(0, 5)$ ,  $(2, 5)$ ,  $(-3, 5)$  in the Cartesian plane.

23. In given figure, if  $AB \parallel CD$ ,  $\angle APQ = 50^\circ$  and



$\angle PRD = 127^\circ$ , find  $x$  and  $y$ .

24. Prove that equal chords of a circle subtend equal angles at the centre.

25. Find the total surface area of a hemisphere of radius  $10$  cm. (Use  $\pi = 3.14$ )

Or

Find the volume of the right circular cone with radius  $6$  cm and height  $7$  cm.

### Section C

26. Simplify (i)  $64^{\frac{1}{2}}$  (ii)  $32^{\frac{2}{5}}$  (iii)  $7^{\frac{1}{2}} \cdot 8^{\frac{1}{2}}$ .

27. Find the remainder when  $x^3 - ax^2 + 6x - a$  is divided by  $x - a$ .

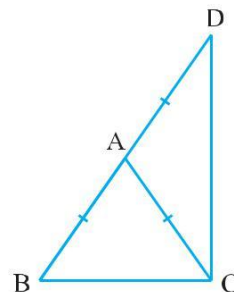
28. The taxi fare in city is as follows: For the first two kilometers, the fare is Rs. 8 and for the subsequent distance is Rs. 5 per km. taking the distance covered as  $x$  km and total fare as Rs.  $y$ , write a linear equation for this information and draw its graph.

29. Does Euclid's fifth postulate imply the existence of parallel lines? Explain.

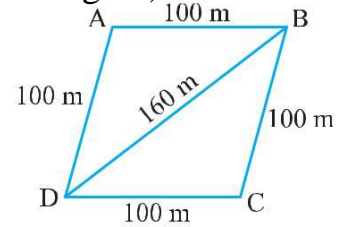
30.  $\triangle ABC$  is an isosceles triangle in which  $AB = AC$ .

Side  $BA$  is produced to  $D$  such that  $AD = AB$  (see fig).

Show that  $\angle BCD$  is a right angle.



31. Sanya has a piece of land which is in the shape of a rhombus (see figure). She wants her one daughter and one son to work on the land and produce different crops. She divided the land in two equal parts. If the perimeter of the land is 400 m and one of the diagonal is 160 m, how much area each of them will get for their crops?



### Section D

32. Evaluate the following using suitable identities

(i)  $(99)^3$                       (ii)  $(102)^3$

Or

Give possible expression for the length and breadth of each of the following rectangles, in which areas are given:

(i) Area:  $25a^2 - 35a + 12$                       (ii) Area:  $35y^2 + 13y - 12$

33. Show that the bisectors of angles of a parallelogram form a rectangle.  
 34. The capacity of a cuboidal tank is 50000 litres of water. Find the breadth of the tank, if the length and depth are respectively 2.5 m and 10 m.

Or

The diameter of the moon is approximately one fourth of the diameter of the earth. Find the ratio of their surface area.

35. The following table gives the distribution of students of two sections according to the marks obtained by them:

SECTION A		SECTION B	
Marks	Frequency	Marks	Frequency
0-10	3	0-10	5
10-20	9	10-20	19
20-30	17	20-30	15
30-40	12	30-40	10
40-50	9	40-50	1

Represent the marks of the students of both the sections on the same graph by two frequency polygons. From the two polygons compare the performance of the two sections.

## SECTION E

### 36. Case Study I:

A quadrilateral ABCD in which  $AB = 3\text{cm}$ ,  $BC = 4\text{ cm}$ ,  $CD = 4\text{ cm}$ ,  $DA = 5\text{cm}$  and  $AC = 5\text{cm}$ .

- i). Find the semi perimeter of triangle ABC.
- ii). Find the semi perimeter of triangle ADC.
- iii). Find the area of quadrilateral of ABCD.

### 37. Case Study II:

The sides of a rectangular park are 80 m and 90 m respectively. A small triangular area of side 8m, 10m and 6m respectively is to be left out at the four corners of the park for growing flowering plants. The remaining area is be planted with natural grass.



- i). What is the area of the rectangular garden?
- ii). Find the area used for growing flowering plants.
- iii). If the cost of planting the flowering plant is ₹ 75.50 per  $m^2$ , then find the total cost of planting the flowering plants.

### 38. Case Study III:

Anil went to buy some vegetables, he bought 'x' kgs. of tomato and 'y' kgs. of potato. The total cost of vegetables comes out to be of Rs. 200. Now if the cost of 1 kg of tomato is Rs. 50 and 1 kg of potato is Rs. 20, then answer the following questions.

- i). If Anil bought 'x' kgs of tomato and 2.5 kgs. of potato, then find the value of 'x'.
  - ii). If Anil bought '2' kgs of tomato and 'y' kgs of potato, then find the value of 'y'.
- The graph of  $5x + 2y = 20$  cuts x-axis at the point.



**St. PBN PUBLIC SCHOOL, GURUGRAM**  
**ANNUAL EXAMINATION**  
**CLASS XI**  
**COMPUTER SCIENCE**  
**(SUBJECT CODE-083)**  
**SAMPLE PAPER**

**Time: 3 hours**

**M.M:70**

**GENERAL INSTRUCTIONS:**

- Please check this question paper contains 35 questions.
- This paper is divided into 5 Sections- A, B, C, D and E .
- Section A, consists of 18 questions (1 to 18).Each question carries 1 mark.
- Section B, consists of 7 questions (19 to 25). Each question carries 2 marks.
- Section C, consists of 5 questions (20 to 30). Each question carries 3 marks.
- Section D, consists of 3 questions (31 to 33). Each question carries 5 marks.
- Section E consists of 2 questions (34 to 35). Each question carries 4 marks.
- All programming questions are to be answered using Python Language only.

**SECTION- A**

**Choose the correct option and write in the answer sheet**

**(1 x 18 = 18)**

**1. How many bytes are in 1 Kilobyte?**

- |               |                |
|---------------|----------------|
| (a) 8 Bytes   | (c) 1024 Bytes |
| (b) 128 Bytes | (d) 256 Bytes  |

**2. Convert  $(300)_{10}$  into Hexadecimal equivalent.**

- |                  |                  |
|------------------|------------------|
| (a) $(12C)_{16}$ | (c) $(32A)_{16}$ |
| (b) $(4D)_{16}$  | (d) $(16B)_{16}$ |

**3. Which of the following statements assigns the value 25 to the variable x in Python:**

- |                       |                          |
|-----------------------|--------------------------|
| (a) $x \leftarrow 25$ | (c) $x := 25$            |
| (b) $x = 25$          | (d) $\text{int } x = 25$ |

**4. The data or text enclosed with single quote, double quote or triple quote is known as \_\_\_\_\_.**

- |            |                |
|------------|----------------|
| (a) String | (c) Tuple      |
| (b) List   | (d) Dictionary |

**5. The interactive interpreter of python is termed as \_\_\_\_\_**

- |                        |                         |
|------------------------|-------------------------|
| (a) Python Shell       | (c) Python Editor Mode  |
| (b) Python Script Mode | (d) Python Command Line |

6. \_\_\_\_\_ are diagrams that show the step by step solution to a given problem.

(a) Pie Chart

(c) Column Chart

(b) Flow Chart

(d) Bar Chart

7. Which of the following falls under utilities?

a) Text editor

c) Disk defragmenter

b) Backup

d) All of these

8. Which abandons the current iteration of the loop?

(a) continue

(c) stop

(b) break

(d) infinite

9. Identify the invalid identifiers from the given options.

(a) 981a

(c) a0

(b) a

(d) \_a0

10. Index of list starts from \_\_\_\_\_

(a) 10

(c) 11

(b) 0

(d) 110

11. Which of the following operator is used to concatenate the strings

(a) +

(c) /

(b) \*

(d) -

12. Dictionary has a Unique \_\_\_\_\_

a) value

c) both

b) key

d) none of these

13. When a person is harassed repeatedly by being followed, called or written to, he/she is a target of:

(a) Bullying

(c) Stalking

(b) Identity theft

(d) Phishing

14. Which of the following is not a cybercrime?

(a) Denial of Service

(c) Malware

(b) Man in the Middle

(d) None of the above

15. Which of the following is relational operator?

- a) =
- b) <=
- c) +=
- d) None of these

16. \_\_\_\_\_ software is made to perform a specific task

- a) System
- b) Application
- c) Utility
- d) None of these

**Q17 and 18 are ASSERTION AND REASONING based questions. Mark the correct choice as**

- a) Both A and R are true and R is the correct explanation for A
- b) Both A and R are true and R is not the correct explanation for A
- c) A is True but R is False
- d) A is false but R is True

**17. Assertion (A):** Higher precedence operator is evaluated before the lower precedence operator.

**Reason (R):** For operators with equal precedence, the expression is evaluated from right to left.

**18. Assertion (A):** Data types are used to identify the type of data.

**Reason (R):** Data types are two types as numbers and strings.

### SECTION B

(2x 7 = 14)

19. (i) What will be the output of following code?

```
>>> print ("14<=46:", 14<=46)
```

(ii) What will be the output of the following snippet?

```
list1=[8,0,9,5]
```

```
print(list1[::-1])
```

(1+1)

20. (i) Write the python statement to type cast the float value of r = 98.40 into an integer type.

(ii) Which statement is used in python to terminate the infinite loop?

(1+1)

21. (i) Convert (ABCD)<sub>16</sub> to ( )<sub>2</sub>

(ii) Draw a truth table of XOR Gate.

(1+1)

### OR

State and Prove De Morgan's First law using truth table

(2)

22. Write a program to calculate the sum of all the elements of a list.

(2)

23. Write Python code to find the number of words in a string input by the user.

(2)

24. (i) Predict the output of the following code.

```
Keys = {1,2,3,4,5}
```

```
print(dict.fromkeys(keys))
```

(ii) What is packing of tuples? (1+1)

25. What is the difference between Syntax error and Run-time error? (2)

### SECTION C

(3x 5 = 15)

26. Draw the truth table and logical circuit of the given Boolean expression:  $F = P.Y + D.T + (A.B)$  (3)

27. Write a Program in python to check whether the given string is Palindrome or not (3)

28. What do you mean by Flowchart? Explain with example.

**OR**

Draw a flowchart to print the sum of first 10 natural numbers. (3)

29. Explain the following terms:

(i) Application software

(ii) EEPROM

(iii) Bar code reader (3)

30. Write an algorithm to check whether a number is prime number or not. (3)

### SECTION D

(5x 3 = 15)

31. Draw the logic circuit and truth table for the following Boolean expression:

i.  $(P' + D) . S + R'$

ii.  $(A . B) . (B + C . D')$  (2+3)

32. (i) Write a Python program to accept a list of all the subject of Class X and display the list of subjects.

(ii) Write a Python program to calculate area of circle and area of rectangle using concept of functions.

**OR**

**(Option for (ii) part only)**

What are the effects of cyber bullying and trolling? (3+2)

33. (i) Why is it important to recycle e-waste?

(ii) What are the techniques used in India for E-waste management? (3+2)

### SECTION E

(2 x 4 = 8)

**34.** ABC Technologies deals in hardware components required for assembling computer systems in the Nehru Place market. They provide reliable and efficient data storage devices to their customers.

Four storage devices in which they deal are described below. Name the storage device being described and also list the appropriate category of storage.

**(i)** Optical media which use one spiral track; red lasers are used to read and write data on the media surface; makes use of dual-layering technology to increase storage capacity.

**(ii)** Non-volatile memory chip: contents of the chip cannot be altered; it is often used to store the start-up routines in a computer.

**(iii)** Optical media which use blue laser technology to read and write data on the media surface.

**(iv)** Magnetic disc with very large storage capacity; can be used to store vast amounts of data; mostly fixed in computer cases and serves as the main storage device. (1+1+1+1)

**35. (i) Write a python program to print the following pattern:**

```
A
B B
C C C
D D D D
E E E E E
F F F F F F
G G G G G G G
```

**(ii)** Write a program to create a dictionary of phone numbers and person's name. Also write the code to search the phone number of a particular person name inputted by user. (2+2)



4. \_\_\_\_\_ Wellness is the ability to understand self and cope with the challenges life can bring. [1]

- a) Spiritual
- b) Social
- c) Emotional
- d) Environmental

5. **Assertion (A):** Yoga paves the path for the spiritual development of an individual. [1]  
**Reason (R):** Yoga for a common person contains the practices of yama, niyama, asana, pranayama, pratyahara, kriya and meditation, which are helpful to keep oneself physically fit, mentally alert and emotionally balanced.

- a) Both A and R are true and R is the correct explanation of A.
- b) Both A and R are true but R is not the correct explanation of A.
- c) A is true but R is false.
- d) A is false but R is true.

6. Zero-degree temperature is an example of scale of measurement. [1]

- a) Interval
- b) Ordinal
- c) Ratio
- d) Nominal

7. Which of the following is not a traditional Indian game? [1]

- a) Bull fight
- b) Kho-Kho
- c) Kabaddi
- d) Kushti

8. Identify the component of wellness: [1]



- a) Emotional wellness
- b) Environmental wellness
- c) Physical wellness
- d) Spiritual wellness

9. Match List - I with List - II and select the correct answer from the code given below: [1]

List-I Symbolism	List-II Olympic Symbols
(a) Sun's rays used	(i) Olympic Motto
(b) Blue, Yellow, Black, Green, Red	(ii) Olympic Flame
(c) Citius, Altius, Fortius	(iii) Olympic Rings
(d) Excellence, Friendship, Respect	(iv) Olympic Values

a) (a) - (iii), (b) - (iv), (c) - (ii), (d) - (i)      b) (a) - (ii), (b) - (iii), (c) - (i), (d) - (iv)

c) (a) - (ii), (b) - (iv), (c) - (iii), (d) - (i)      d) (a) - (iii), (b) - (ii), (c) - (i), (d) - (iv)

10. **Assertion (A):** Technique is an imaginary model of performing any task in cyclic manner. [1]

**Reason (R):** Acquiring style is a long and continuous process in which a player sets an imaginary mechanical model in his/her mind for performing any skill.

a) Both A and R are true and R is the correct explanation of A.      b) Both A and R are true but R is not the correct explanation of A.

c) A is true but R is false.      d) A is false but R is true.

11. When did the revival of Olympic games took place? [1]

a) 1892      b) 1899  
c) 1895      d) 1896

12. \_\_\_\_\_ in sport is being able to execute the techniques required at the right time and place, successfully, regularly, and with minimal effort. [1]

a) Technique      b) Strategy  
c) Skill      d) Tactics

13. Physical Education is the sum of changes in an individual caused by experience centring motor activity. Who said this? [1]

a) Prince martin      b) Charls A. Butchar



c) Millions d) Cassidy

14. Regular physical exercise results in \_\_\_\_\_. [1]

- a) improved functional status      b) All of these  
c) improved cognitive abilities      d) quality of life

15. \_\_\_\_\_ is the first teacher of yoga. [1]

- a) Ramdev      b) Krishan Kumar  
c) Yogeshwar      d) Patanjali

16. Which is not an importance of Biomechanics? [1]

- a) Improvement of Technique      b) Improvement of sports Equipments  
c) To understand the structure of Movement & effect of forces on the Movement      d) To understand Physiology of human body

17. What does the term **citius** mean? [1]

- a) Slower      b) Faster  
c) Higher      d) Stronger

18. The body structure of mesomorphic people is like [1]

- a) Large muscles and bones      b) Solid  
c) Obese      d) Fatty

### Section B

Attempt any 5 questions

19. State the uses of Anthropometric measurement. [2]

20. What is a sports facility? [2]

21. What is cardiac output? [2]

22. Define Circumduction. [2]

23. What is the role of a speech therapist for children with special needs? [2]
24. How many types of doping are there? [2]

### Section C

#### Attempt any 5 questions

25. How do test, measurement and evaluation help in future research? Mention three reasons. [3]
26. How does angle of projection help as a factor athletes in games and sports? [3]
27. Give any responsibility of an athlete to control doping? [3]
28. Why are test and measurement important in sports? [3]
29. What are the major muscles involved in jumping & throwing? [3]
30. Write a short note on blood as a part of circulatory system. [3]

### Section D

31. Sun Rise Public School organized a program, in which many people from different career backgrounds related to physical education were present there. [4]



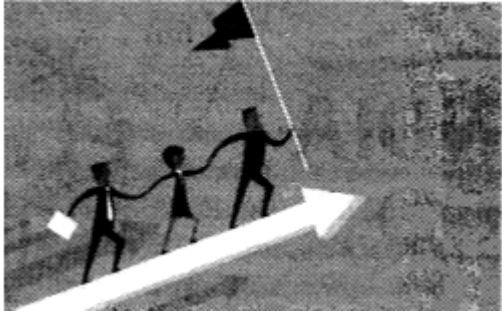
Identify the career.

1. \_\_\_\_\_ is shown in the above picture.
- A. Physical Therapist
  - B. Occupational Therapist
  - C. Speech Therapist
  - D. Clinical Psychologist
2. They help people to improve their \_\_\_\_\_ to perform daily.
- A. skills
  - B. hobbies
  - C. ability
  - D. motivation

3. The person shown in the above picture is also known as \_\_\_\_\_.
- A. Counsellor
  - B. Psychologist
  - C. Social Worker
  - D. Nurse
4. They treat people who have mental, physical, emotional, and \_\_\_\_\_ disabilities.
- A. social
  - B. cognitive
  - C. sensory
  - D. developmental

32. Anand, explains the value of the Olympics in his class.

[4]



Identify the olympic value.

1. \_\_\_\_\_ is shown in the above picture.
- A. Excellence
  - B. Competition
  - C. Teamwork
  - D. Victory
2. The important thing is not winning, but taking \_\_\_\_\_ is important.
- A. risks
  - B. part
  - C. time
  - D. credit
3. This value makes the process and \_\_\_\_\_ the healthy combination of body, will, and mind.
- A. complicates
  - B. enjoys

C. enhances

D. enjoying

4. The Olympics wants every player to strive for their best and excellence and \_\_\_\_\_ people to be the best they can be.

A. discourage

B. challenge

C. motivate

D. pressure

33. Mohit was fit and fine, but his friend was not, so he tells his friend the importance of physical fitness. [4]



Identify the importance of physical fitness.

1. \_\_\_\_\_ is the importance of physical fitness.

A. Mental strength

B. Physical strength

C. Flexibility

D. Endurance

2. A combined routine, including proper exercise and diet, has \_\_\_\_\_ effect on brain function.

A. Negative

B. Neutral

C. Positive

D. Detrimental

3. It also keeps an individual \_\_\_\_\_ strong.

A. Emotionally

B. Physically

C. Socially

D. Mentally

4. It elevates the flow of \_\_\_\_\_ to the brain and enhances the memory.

- A. Nutrients
- B. Blood
- C. Oxygen
- D. Hormones

### **Section E**

#### **Attempt any 3 questions**

- 34. List down any four asanas used for prevention of Hypertension. Explain the procedure and contraindication of any one of them with help of a stick diagram. **[5]**
- 35. Write the importance of Anatomy and Physiology in physical education and sports. **[5]**
- 36. Which principles are required to be followed to make the adapted physical education effective? Explain. **[5]**
- 37. Elucidate five reasons for the importance of physiology. **[5]**