

- (d) Debit to debtors and Credit to fees income.
- Q5. The art of recording all business transactions in a systematic manner in a set of books is called**
 (a) Accounting (b) Bookkeeping (c) Ledger (d) None of these
- Q6. If the trial balance agrees, it implies that:**
 (a) there may be one sided error in the books.
 (b) there may be two sided errors in the book.
 (c) there is no error in the books.
 (d) there may be both two sided and one sided errors in the books.
- Q7. Goods worth Rs.100 given as charity should be credited to –**
 (a) Sales Account (b) Purchase Account
 (c) Charity Account (d) None of the options
- Q8. Under casting of Sales book is corrected by __ the Sales Account.**
 (a) Crediting (b) Debiting (c) Balancing (d) Ignoring
- Q9. What are the total number of subsidiary books available to record financial transactions?**
 (a) 8 (b) 7 (c) 6 (d) 12
- Q10. Find the correct statement:**
 (a) Credit a decrease in assets (b) Credit the increase in expenses
 (c) Debit the increase in revenue (d) Credit the increase in capital
- Q11. Mr. Abhishek a dealer of stationery in Vadodara entered into following transactions during the month of July 2024:**

1 st July	Purchase 5,000 boxes of Natraj eraser @ 500 each box at 10 % trade discount from Ajay Traders.
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5 th July	Sold 1,000 boxes of Natraj Eraser @ 800 each at 20 % trade discount to Murty Enterprises of Mumbai.
10 th July	Sold 200 boxes Apsara Pencils @ 1,500 each at 20 % trade discount to Gyan Enterprises of Mumbai.
12 th July	Purchase 500 boxes of Mark Gel pens @ Rs 500 per box from M/s Virat stationery house, Kanpur.
15 th July	Sold 400 boxes of Mark Gel pens @ 700 each @ 2 % trade discount from Mega stores, Kolkata.

- Q12. Prepare Cash Book from the following transactions: 2004.**

May 1	Balance of Cash in hand Rs.15,600; Overdraft at Bank Rs.7,400.
May 2	Capital introduced Rs.30,000, Out of which Rs.25,000 deposited into Bank.
May 3	Purchased goods on credit from Mohan of the list price of Rs.15,000. Out of this amount he allowed us a trade discount of 20%.
May 6	Settled the account of Mohan by paying cash Rs.11,600.
May 8	An amount of Rs.2,500 due from Chaturvedi & sons written off as Bad Debts in the previous year, now recovered.
May 10	Cashed a cheque for Rs.7,500.
May 10	Drew from bank for household expenses Rs.3,000 and for Income Tax Rs.800.
May 14	Received Rs.500 from the sale of old chairs.
May 15	Received from X on behalf of Y Rs.2,200. Discount allowed Rs.100.
May 20	Received a cheque from Naresh Rs.4,210 in full settlement of his account of Rs.4,400.

May 22	Cheque received from Naresh sent to bank.
May 25	Sagar Chand, who owned us Rs.10,000 became bankrupt and paid us 40 paise in a rupee.
May 26	Received repayment of a loan of Rs.3,600 and deposited out of it Rs.2,000 into the bank.
May 28	Cheque received from Naresh dishonoured, Bank debits Rs.20 in respect of this cheque for Bank Charges.
May 31	Interest debited by bank Rs.650. Deposited with the bank the entire balance after retaining Rs.5,000 at office.

Q13. On 31st December, 2024, the Cash Book of Mittal Bros. showed an overdraft of Rs.6920.

From the following particulars make out a Bank Reconciliation Statement ascertain the balance as per pass book.

- (a) Debited by bank for Rs.200 on account of interest on overdraft and Rs.50 on account of charges for collecting bills.
- (b) Cheques drawn but not cashed before December 31, 2024 for Rs.4, 000.
- (c) On 15th Dec., the payments side of the Cash Book was undercast by Rs.100.
- (d) A cheque for Rs.131 issued on 25th Dec., was recorded in the cash column.
- (e) One deposit of Rs.150 was recorded in the Cash Book as if there is not Bank column therein.

Q14. Pass Journal entries from the following transactions:

- (a) Goods worth Rs.50,000 and cash Rs.20,000 were stolen by an employee.
- (b) Rs.10,000 due from Rohit are now bad debts.
- (c) Provide interest on capital at 6% p.a. for 9 months(Capital 15,00,000).
- (d) Rahul who owned us Rs.20,000 becomes insolvent and a final dividend of 60 paise in a rupee is received from his estate.
- (e) Purchased an old machinery for Rs.1,00,000 and spent Rs.5,000 on its carriage and Rs.20,000 on its immediate repairs.
- (f) Sold goods to Karan list price Rs.20,000, trade discount 10% and cash discount 5%. He paid the amount on the same day and availed the cash discount.
- (g) Paid landlord Rs.12,000 for rent. One-third of the building is occupied by the proprietor for residential use.

Q15. Correct the following errors by passing rectifying entries.

- (i) The sales book has been totaled Rs.1000 short.
- (ii) Goods worth Rs.1500 returned by G ltd. have not been recorded anywhere
- (iii) Goods purchased worth Rs.2500 have been posted to the debit of the suppliers, Gupta &Co.
- (iv) Furniture purchased worth Rs.10,000 has been entered in purchases book.
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3. Business Studies

Analysis of Case Study on Social Responsibility of business affecting various stakeholders.

Note: (1) Attach the questions photocopy and write solutions thereafter.

(2) Write in project paper and submit in separate file with Name, Class, Roll No & Subject.

4. Economics

Note: Write in project paper and submit in separate file with Name, Class, Roll No & Subject.

Preparation of Questionnaire on Economic Development Projects and Schemes.

As part of your academic exploration you are required to prepare a questionnaire focused on economic development projects or schemes implemented in India and other countries. The objective is to help you understand and analyze different strategies used by governments to foster economic growth and development.

Guidelines for the Questionnaire:

- 1. Number of Questions: 10-15 questions (both objective and subjective).
- 2. Focus Areas (choose any 2-3 themes):

		<p>Poverty alleviation schemes Infrastructure development (roads, transport, housing, etc.) Education and skill development programs Sustainable development initiatives Employment generation projects Healthcare schemes Digital economy and financial inclusion efforts</p> <p>3. Research Scope: Include schemes from both India (like PM Awas Yojana, Skill India) and other countries (e.g., China's Belt and Road Initiative, Germany's vocational training programs).</p> <p>4. Structure: Include open-ended questions (for opinions or suggestions). Add multiple-choice questions (for specific data points).</p>
5.	Informatics Practices	<p>As our country is steadily moving towards digitalization, observe the digital activity around you in terms of data collection and segregate them into the python sequence & mapping data type like list & dictionary. Write atleast ten such variables in your IP notebook with the data as per the given format. For your reference one example is given below.</p> <p>location- Petrol pump datatype of variable = dictionary petrol= {'Gujarat': '95.50/L', 'Delhi': '94.72/L', 'Odisha': '95.90/L'} location- xyz restaurant datatype-List Food=['Dhokla', 'Khaman', 'Pizza']</p>
6.	Physical Education	Answer all the questions given in the 'pdf' of question bank in PE Notebook.
7.	Applied Math	Solve the given worksheet in separate sheets and submit them in a file with your Name, Class, Roll No. & Subject.

NOTE:

- ❖ Students need to complete the subject specific assignments as per the instructed norms.
- ❖ Detailed guidelines are explained in the classes.
- ❖ **Worksheets and Sample Question Papers will be shared on Class WhatsApp Broadcast group and School App. You are advised to take the printout of the same and use the hard copies for doing the homework.**
- ❖ **Submission date for all assignments is 18th November, 2024.**
- ❖ These assignments are a part of the Internal Assessments and will be marked for the same. It is mandatory for the students to complete the assignments and submit it to the concerned teachers.
- ❖ Students are requested to get their doubts regarding's the assignments during regular classes before 26.10.2024.

May the divine light of Diwali spreads into your life and bring peace, prosperity, happiness, good health and grand success.



DIWALI WORKSHEET: 2024-25

STD – XI COMMERCE

ACCOUNTANCY (055)

- Q1. Meaning of credibility of going concern is:**
(a) Closing of business (b) Opening of business
(c) Continuing of business (d) None of these.
- Q2. The sum of Liabilities and Capital is:**
(a) Expense (b) Income (c) Drawings (d) Assets
- Q3. The mathematical expression defining the comparative relationship between assets and liabilities of any person, institution, or business concern is called:**
(a) Accounting (b) Accounting equation
(c) Bookkeeping (d) None of these
- Q4. The journal entry to record the sale of services on credit should include:**
(a) Debit to debtors and credit to capital.
(b) Debit to cash and Credit to debtors.
(c) Debit to fees income and Credit to debtors.
(d) Debit to debtors and Credit to fees income.
- Q5. The art of recording all business transactions in a systematic manner in a set of books is called**
(a) Accounting (b) Bookkeeping (c) Ledger (d) None of these
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- Q1.** Unfortunately as the saying goes, "everything that glitters is not gold", though BPO as an industry looks bright and has huge untapped potential, the sector doesn't seem to be very attractive for BPO employees have to work mostly in night shifts due to geographical differences, which is against nature. There are so many adverse effects of it on personal as well as on professional life. Not to forget, BPO is a choice of people who otherwise failed to get a secured job in Indian or foreign MNCs. Most of the BPO companies in India support overseas operations and majority of employees have night shifts. After working long time in night shifts employees get frustrated. Even though employees work only 5 days a week, for rest of the two days it is not easy to sleep early as they have different sleeping timing. On the basis of the given information about outsourcing companies, answer the following questions:
- Specify the interest group towards which outsourcing companies is not fulfilling its social responsibility?
 - Enlist the social responsibilities to be discharged toward the group identified in part (a).
- Q2.** Environment is important for all of us; we have a collective responsibility to protect it from being spoiled. Whether it is government, business enterprises, consumers, workers, or other members of society, each one can do something to stop polluting the environment. Government can enact laws to ban hazardous products. Consumers, workers members of society can avoid using certain products and doing things that are not environment friendly. Emission of smoke and gases from factories, use of machines causing noise pollution, deforestation, and growth of industrialization are some of the ways in which business cause pollution. So, the business enterprises should, take the lead in providing their own solutions to environmental problems. It is the social responsibility of every business to take steps not only to check all sorts of pollution but also to protect environmental resources. On the basis of aforesaid information, elucidate the types of roles that a business enterprise can play to control environmental pollution.
- Q3.** Ramgopal is a sweet maker, who collects milk from many villagers and prepares sweets on festivals. Due to increased demands, he purchased milk from other shopkeepers which was adulterated because it was not possible to meet the requirement from the limited quantity of milk. For quick preparation of sweets, he has not maintained cleanliness. He employed few children for packing the sweets and two young girls to collect the cash at the counter. Do you think the sweet maker is a socially responsible dealer? Give reason in support of your answer.
- Q4.** ITC is one of India's foremost private sector companies which has rapidly scaled up presence in its newer FMCG businesses comprising Branded Packaged Foods, Lifestyle Retailing, Education and Stationery products, Personal Care products, Safety Matches and Incense Sticks (Agarbatti), It has also played a significant role in empowering farmers in rural areas through its programme 'e-Choupal. It has used internet, to provide farmers with farming know-how and services, timely and relevant weather information, transparent price discovery and access to wider market. Today four million farmers use e-Choupal to bargain as virtual buyers' cooperatives, adopt best practices, and for matching up to food safety norms. ITC has taken various initiatives to empower women and improve primary education in rural areas. On the basis of the given information about ITC, answer the following questions: (a) Specify the interest group towards which ITC discharging its social responsibility?
- Q5.** Infosystem Ltd. is a global leader in technology services. The company enable clients in 45 countries to create and execute strategies for their digital transformation. The company officials follow the vision of "reaching new heights with its people on its side". It not only provides quality products but also provides various facilities to its employees for five years of service. While Infosystem Foundation in India creates opportunities for the underprivileged and strives to build a more equitable society. On the basis of the given information about Infosystem Ltd., answer the following questions:
- Is Infosystem Ltd. following business ethics? Also define business ethics.
 - Identify the interest groups towards which business is fulfilling its social responsibilities?
- Q6.** Nothing is more important to Reliance Ltd., than making sure that the company does what is right and nothing puts it at risk more than failure to do it. In its code of conduct the company is focused on the most important principles and expectations rather than specifying detailed rules. It does not specifically address every potential form of unacceptable conduct, but It believes that its officials are fully capable of making the right decisions when faced with difficult choices and that they will be guided by the good

judgment. The above paragraph highlights an important aspect which every business should follow. On the basis of the given information about Reliance Ltd., answer the following questions:

- (a) Identify the important aspect that every business should follow like Reliance Ltd.
- (b) Discuss the important elements of the concept identified in part (a).

PHYSICAL EDUCATION (048)

- Q1. Define Physical Education?
- Q2. Give the aim of physical education?
- Q3. What do you understand by physical fitness?
- Q4. Write any two methods for improving wellness?
- Q5. Write two career options in Physical Education?
- Q6. What is a positive life style?
- Q7. Draw a diagram of factors which can affect physical fitness?
- Q8. What are the components of positive lifestyle?
- Q9. Explain the role of parents in the career aspects of their ward?
- Q10. Highlight four avenues of career preparation in physical education?
- Q11. What is Adapted physical education?
- Q12. Write any two misconception of physical education?
- Q13. What do you understand by International Olympic Committee?
- Q14. Write short notes on:
(a) Ancient Olympic games (b) Olympic Flame (c) Olympic Flag.
- Q15. Describe the concept and principles of integrated physical education?
- Q16. Explain the soft tissue injuries in detail.
- Q17. Discuss the rehabilitation process through exercises in detail.
- Q18. Describe the skin folds measurement.
- Q19. What do you mean by body mass index? Explain the procedure of calculation of BMI.
- Q20. What do you mean by anatomy and physiology? Elucidate the importance on anatomy and physiology in the field of physical education and sports.
- Q21. What do you mean by muscular system? Explain the structural classification of muscles in detail.
- Q22. What do you mean by circulatory system? Explain the structure, location and function of heart.
- Q23. Describe Integrated Physical Education. Write the Principle of Integrated Physical Education.
- Q24. Name Some Important Sports awards. Explain any three of them?
- Q25. Elucidate the origin of Ancient Olympic Games with its rules & regulations.
- Q26. What is All India Council of Sports? What are its functions and achievements?
- Q27. How can life threatening diseases be prevented through lifestyle change? Discuss in details.
- Q28. Write an article on health indicators discussing its types.
- Q29. Write any two importance of Physical fitness and wellness.
- Q30. Make flow Chart of Health Related Fitness Test and Skill Related Test.

APPLIED MATHEMATICS (241)

CHAPTER NO. 8 : PROBABILITY

- Q1. From a group of 2 men and 3 women 2 persons are selected. Describe the sample space of the experiment. If E is the event in which 1 man and 1 woman are selected. Then which are the cases favorable to E.
- Q2. Two dice are rolled. A is the event that the sum of the numbers shown on the two dice is 5. B is the event that at least one of the dice shows up a 3. Are the two events A and B.
(a) Mutually exclusive. (b) Exhaustive
- Q3. Two dice are thrown the events A, B, C are as follows
A: Getting an odd number on the first die.
B: Getting a total of 7 on the two dice.
C: Getting a total of greater than or equal to 8 on the two dice.

Describe the following events

- (a) $A \cup B$ (b) A' (c) $B - C$ (d) $B \cap C$

- Q4.** The letters of the word EQUATION are arranged in a row. Find the probability that
(i) all vowels are together
(ii) the arrangement starts with a vowel and ends with a consonant.
- Q5.** An urn contains 5 blue and an unknown number x of red balls. Two balls are drawn at random. If the probability of both of them being blue is $\frac{5}{14}$, find x .
- Q6.** Out of 8 points in a plane 5 are collinear. Find the probability that 3 points selected at random form a triangle.
- Q7.** A, B and C are events associated with a random experiment such that $P(A) = 0.3$, $P(B) = 0.4$, $P(C) = 0.8$, $P(A \cap B) = 0.08$, $P(A \cap C) = 0.28$ and $P(A \cap B \cap C) = 0.09$. If $P(A \cup B \cup C) \geq 0.75$ then prove that $P(B \cap C)$ lies in the interval $[0.23, 0.48]$.
- Q8.** For a post three persons A, B and C appear in the interview. The probability of A being selected is twice that of B and the probability of B being selected is twice that of C. The post is filled. What are the probabilities of A, B and C being selected?
- Q9.** A and B are two candidates seeking admission in college. The probability that A is selected is 0.5 and the probability that both A and B are selected is utmost 0.3. Show that the probability of B being selected is utmost 0.8.
- Q10.** Let $S = \{1, 2, 3, \dots, 30\}$, $A = \{x : x \text{ is multiple of } 7\}$, $B = \{x : x \text{ is multiple of } 5\}$, $C = \{x : x \text{ is a multiple of } 3\}$. If x is a member of S chosen at random find the probability that
(i) $x \in A \cup B$ (ii) $x \in B \cap C$ (iii) $x \in A \cap C'$
- Q11.** A number of 4 different digits is formed by using 1, 2, 3, 4, 5, 6, 7. Find the probability that it is divisible by 5.
- Q12.** Three cards are drawn successively with replacement from a pack of 52 cards. Find the probability distribution of the number of spades. Hence, find the mean of the distribution.
- Q13.** A die is tossed thrice. Find the probability of getting an odd number at least once.
- Q14.** In an Examination 10 questions of true/false type are asked. A student tosses a fair coin to determine his answer to each question. If the coin falls heads, he answers true and if it falls tails he answers false. Show that the probability that he answers at most 7 questions correctly is $\frac{121}{128}$.
- Q15.** There are two bags, bag I and bag II. Bag I contains 4 white and 3 red balls while the bag II contains 3 white and 7 red balls. One ball is drawn at random from one of the bags and it is found to be white. Find the probability that it was drawn from bag I.
- Q16.** A bag I contains 5 red and 4 white balls and a bag II contains 3 red and 3 white balls. Two balls are transferred from the bag I to the bag II and then one ball is drawn from the bag II. If the ball drawn from the bag II is red, then find the probability that one red ball and one white ball are transferred from the bag I to the bag II.
- Q17.** A problem in Mathematics is given to four students A, B, C and D. Their chances of solving the problem, respectively, are $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$ and $\frac{2}{3}$. What is the probability that: i) the problems will be solved? ii) at most one of them will solve the problem?
- Q18.** A manufacturer has three machine operators A, B and C. The first operator A produces 1% defective items, whereas the other two operators B and C produce 5% and 7% defective items respectively. A is on the job for 50% of the time, B is on the job for 30% of the time and C is on the job for 20% of the time. A defective item is produced, what is the probability that operator A is to be blamed?
- Q19.** Probabilities of solving a certain problem independently by A and B are $\frac{1}{2}$ and $\frac{1}{3}$ respectively. If both try to solve the problem independently, then find the probability that the problem is solved.
- Q20.** Of the students in a school, it is known that 30% have 100% attendance and 70% students are irregular. Previous year result report that 70% of all students who have 100% attendance attain A grade in their annual examination and 10% of irregular students get grade A. At the end of the year one student is chosen at random and he was found to have attained grade A. What is the probability that the student has 100% attendance?

- Q21.** In a school there are 1000 students, out of which 430 are girls. It is known that out of 430, 10% of the girls study in class XII. What is the probability that a student chosen randomly studies in class XII given that the chosen student is a girl?
- Q22.** A die thrown three times. Events A and B are defined as below.
A : 4 on the third throw
B : 6 on the first and 5 on the second throw.
Find the probability of A given that B has already occurred.
- Q23.** Mother, father and son line up at random for a family picture
E : Son on one end
F : Father in middle
Find $(E | F)$
- Q24.** Given three identical boxes I, II and III each containing two coins. In box-I both coins are gold coins, in box-II, both are silver coins and in the box-III, there is one gold and one silver coin. A person chooses a box at random and takes out a coin. If he coin is of gold, what is the probability that the other coin in the box is also of gold.
- Q25.** In a survey of 200 students of a school, it was found that 120 study Mathematics, 90 study P.E. and 70 study Biology, 40 study Mathematics and P.E., 30 study P.E. and Biology, 50 study Biology and Mathematics and 20 none of these subjects. A student is selected at random. Find the probability that :
- He studies all the three subjects.
 - He studies exactly one subject.
 - He studies Mathematics and P.E. but not biology.
