

**SUBJECT : INFORMATICS PRACTICES (SET-I)**

Time : 3 Hrs.

M.M.: 70

**General Instructions :**(i) **The question paper contains 7 questions. All are compulsory.**(ii) **Relational Database Management System-MySQL.**

- Q1. (a) What do you mean by secondary storage devices? Give any two examples. (2)
- (b) Write the difference between serial and USB port. (2)
- (c) What is the purpose of the following devices? (2)
- (i) Speakers (ii) Plotters
- (d) Give the full form of OCR. (1)
- (e) What role do input devices play in a computer system? Give examples of some input devices. (2)
- (f) Name the parts of CPU. (1)
- Q2. (a) Write any two functions of operating system. (1)
- (b) What do you mean by BIOS? (2)
- (c) What is the use of back up utility software? (2)
- (d) Explain the term system software with the help of suitable examples. (2)
- (e) Define multiuser operating system. (1)
- (f) What are the uses of payroll management system? (2)
- Q3. (a) Define the following terms : (2)
- (i) Firewall (ii) CAPTCHA
- (b) What is a worm? (1)
- (c) What is cyber crime? Give four examples. (2)
- (d) Define antivirus software. (2)
- (e) Explain the usage of digital signature. (2)
- (f) What is the need of social networking? (1)
- Q4. (a) Write the command to display the structure of the table "School". (1)
- (b) Differentiate between Alter and Delete command with the help of an example. (2)
- (c) Explain the two wildcard symbols used with LIKE operator with the help of an example. (2)

- (d) Write the command to increase the marks by 5 of all students in the marks column of table "Student". (2)
- (e) Write the set of commands to display all the tables in the database "University". (2)
- (f) Define Primary key. (1)
- Q5. Write MySQL commands for the following based on the table STAFF. (10)

SID	FNAME	LNAME	ADDRESS	CITY
152	Sam	Tones	33 Elm St	Paris
189	George	Smith	83 First Street	Howard
300	Robert	Samuel	9 Fifth Cross	Washington
315	Manila	Sharan	2 Friends Colony	New Delhi
427	Mary	Jones	842 Vine Ave.	Canada
678	Peter	Thompson	12 Moore Street	Boston
690	Henry	Williams	440 USI 10	Upton

- (a) To display Fname, Lname, address and city of all employees living in Paris.
- (b) To display the fname of all employees in ascending order.
- (c) To display SID and Lname of all employees.
- (d) To display the Lname and city where city name starts with letter 'C'.
- (e) To display fname of all employees whose SID is between 300 to 500.
- (f) To display size of each address.
- (g) To display each lname in capital letters.
- (h) To display all information of those employees whose city is 'Boston', 'Paris' or 'Washington'.
- (i) To display first two letters of Lname of all employees.
- (j) To display each address in small letters.
- Q6. (a) Aman has created a table "library" that has 6 columns and 13 records. What is the degree and cardinality of the table, after adding two records and deleting two columns? (2)

- (b) Write the output of the following queries : (4)
- (i) Select instr("CBSE Examination", "Exam")
  - (ii) Select right("Testing", 4);
  - (iii) Select mid("Computer", 4, 3);
  - (iv) Select round(67.549, 1);
- (c) Write MySQL statements to do the following : (4)
- (i) Extract the string "STEM" from the string "SYSTEM".
  - (ii) To display the year part of the date "21 May 2016".
  - (iii) To display the number of letters in "DESIGN".
  - (iv) To display the current date and time.

Q7. (a) Write MySQL command to create the table "BOOK" with the following specifications : (2)

Field Name	Date Type	Size	Constraints
BookNo	Numeric	6	Primary Key
BookName	Varchar	100	
Category	Varchar	50	
Price	Numeric	6	
Quantity	Numeric	6	
Publisher	Varchar	100	

- (b) Write command to add following record in BOOK table:  
1001, "Mastering Physics", "Science", 200, 10, "Laxmi Publ." (1)
- (c) Write the command to increase the price by 100 for bookno 1004. (1)
- (d) Write the command to delete all the records, whose Bookname starts with the letter "M". (1)
- (e) Write the command to add a new column "Author" with datatype as Varchar and size 30. (1)
- (f) Write the command to delete all the records. (1)
- (g) Write the command to delete the whole table. (1)
- (h) What are DML commands? Give two examples. (2)



**SUBJECT : BUSINESS STUDIES (SET-I)**

Time : 3 Hrs.

M.M.: 90

**General Instructions :**

- (i) *Answers to questions carrying 1 mark may be from one word to one sentence.*
- (ii) *Answers to questions carrying 3 marks may be from 50-75 words.*
- (iii) *Answers to questions carrying 4-5 marks may be about 150 words.*
- (iv) *Answer to questions carrying 6 marks may be about 200 words.*

- Q1. Mr. Rajiv sold his old sofa through OLX. Identify and explain the type of e-business transaction mentioned here. (1)
- Q2. State the utility of Smart Cards. (1)
- Q3. Enlist any four contents of Articles of Association. (1)
- Q4. What is the importance of 'Common Seal' in the working of a company? (1)
- Q5. Define 'Particular partnership'. (1)
- Q6. There is a rise in the interest rate on borrowings. Identify and explain the cause of business risk referred here. (1)
- Q7. List any two examples of a statutory corporation. (1)
- Q8. Explain the principle of Insurable Interest in case of marine insurance. (1)
- Q9. Identify the following and discuss their liability towards the debts of the firm.
- (i) A person who contribute capital but does not take part in the business of the firm.
  - (ii) A person who contributes capital, takes part in the management and shares profits and losses.



- (iii) A person who gives an impression to others that he is a partner of the firm through his behaviour. (3)
- Q10. XYZ Ltd. a steel manufacturing company imported a hi-tech packing machine. Employees of the company are not trained enough to operate it. So, the company entered into a contract with a training institute to train its employees for the same.
- (a) Identify and explain the type of contracting being entered into by the company.
- (b) Explain the features of the same. (3)
- Q11. Employees Union of Hindustan Textiles start a retail store to provide daily household articles to its members at reasonable prices.
- (a) Identify the form of this business and its type mentioned above.
- (b) Explain any other two types of this form of business. (3)
- Q12. What are the consequences of non-registration of a partnership firm? (3)
- Q13. DTDC is providing services of collecting and delivering parcels and letters to their clients. Identify the type of postal service and also explain any other two types. (3)
- Q14. Ajay, a sole trader is dealing in electronic items. He is now planning to start online trading of his products. He approached Mahesh, a computer engineer, who suggested that he should first appoint technically qualified personnel. Explain the various resources required for successful implementation of his new business. (3)
- Q15. Give a comparative evaluation of a Joint Hindu Family Business and a company. (4)
- Q16. A factory owner took a fire insurance policy for its factory without informing the insurance company that he received notice from electricity department to get the wiring of the

factory repaired. After six months of taking policy the factory caught fire due to faulty wiring.

- (a) Was he right in not informing the insurance company? Why?
- (b) Will his claim be accepted? Why?
- (c) Explain the related principle of insurance. (4)

Q17. 'Indian Railways' is a part of Railway Ministry. It is organised, financed and controlled by Railway Ministry. The finances are allocated from government treasury and whatever revenue it earns is deposited to government treasury only. Even the appointment, recruitment and selection of employees is done in the same way as that of civil servants.

- (a) Identify the type of public sector enterprises highlighted in the above case.
- (b) Explain the merits of the type of enterprise identified in (a). (4)

Q18. Sony Ltd. is a leader in electronics. It is registered in a company form and has its business operations in many countries of world. Its headquarter is in Japan. To manage its branches and subsidiaries in different countries, the company employs trained and professional managers. They always make use of latest technology to remain leader in electronics.

- (a) Identify and explain the type of enterprise formed by Sony Ltd.
- (b) Explain its benefits. (4)

Q19. It is important to choose an appropriate form of organisation. Explain any four factors that determine the choice of form of organisation. (4)

Q20. A housewife sells old newspapers every month. Will it be considered as a business activity? Why? Also, explain the other features of business. (5)



- Q21. Explain the different types of banking services available to customers. (5)
- Q22. The role of public sector in India has changed significantly after the New Industrial Policy, 1991. Do you agree? Give reasons to support your answer. (5)
- Q23. Distinguish between Public Sector and Private Sector on the following basis : (5)
- (a) Social objectives
  - (b) Government control
  - (c) Forms of organisation
  - (d) Financial resources
  - (e) Accountability
- Q24. Identify and explain the following types of industries :
- (a) Mr. Ram is engaged in cultivation of crops.
  - (b) Mr. Ankit owns a cattle breeding farm.
  - (c) Mr. Aman is engaged in manufacturing of soaps.
  - (d) Mr. Ajay operates an oil refinery company.
  - (e) Mr. Amit takes contract for building roads, flyovers etc.
  - (f) Dell Ltd. is involved in manufacturing of computers & laptops. (6)
- Q25. The business assets of an organisation amount to ₹ 50,000 but the debts that remain unpaid are ₹ 80,000. What course of action can the creditors take if :
- (a) The organisation is a sole proprietorship firm.
  - (b) The organisation is a partnership firm with Anthony and Akbar as partners.
  - (c) Which of the two partners can the creditors approach for repayment of debt? Explain giving reasons.
  - (d) Explain the other limitations of partnership. (6)
- Q26. A group of 8 people decided to form a company and hence approached Sindhwani Pvt. Ltd. They helped them in identifying the different business opportunities and



suggested to set up a mobile-phone manufacturing company. Before converting this business opportunity into a real project, Sindhwani Pvt. Ltd. made arrangements for conducting technical, financial and economic surveys. For this they took the help of specialists like CAs, Engineers etc.

- (a) Identify the steps of promotion stage completed in the above case by quoting the lines.
- (b) Explain the next steps required to be fulfilled by Sindhwani Pvt. Ltd. to promote the company. (6)

Q27. A factory manufactures solar panels used for generating electricity from sunlight in a backward area. It found that there was lack of employment in the area and decided to recruit the local workers. Sales of the company are substantial because of non-availability of electricity in that area. Therefore, the company expanded its factory to meet the increased demand.

- (a) Identify and explain the objectives of business highlighted in the above case.
- (b) Quote the values being followed by the business.

(6)

**SUBJECT : ECONOMICS [SET-I]**

Time : 3 hrs.

M.M. : 100

**General Instructions :**

- (i) All questions in both the sections are compulsory.
- (ii) Marks for questions are indicated against each.
- (iii) Question numbers 1-5 and 16-20 very short answer questions carrying 1 mark each. They are required to be answered in one sentence.
- (iv) Question numbers 6-8 and 21-23 are short answer questions carrying 3 marks each. Answer to them should not normally exceed 60 words each.
- (v) Question numbers 9-11 and 24-26 are also short answer questions carrying 4 marks each. Answer to them should not normally exceed 70 words each.
- (vi) Question numbers 12-15 and 27-30 are long answer questions carrying 6 marks each. Answer to them should not normally exceed 100 words each.
- (vii) Answer should be brief and to the point and the above word limits should be adhered to as far as possible.

**SECTION-A (Statistics for Economics)**

- Q1. The advantage of census method is - (1)
- (a) Economical
  - (b) suitable when area of investigation is large
  - (c) high degree of accuracy
  - (d) quick result
- Q2. Calculate median if the value of mode is 90 and mean is 30. (1)
- Q3. Choose the correct statement : (1)
- (a) In plural sense, statistics means statistical methods.
  - (b) Statistics are aggregate of facts.

(c) Sampling error can be minimised by being more vigilant and careful while processing the data.

(d) Both (b) and (c)

Q4. Give the meaning of chronological classification. (1)

Q5. What is non-sampling error? (1)

Q6. Discuss the importance of statistics in Economics. (3)

OR

'Statistics is numerical statement of facts, but all facts numerically stated are not statistics'. Justify giving reasons. (3)

Q7. Tabulate the given information : (3)

In 2010, out of a total of 1,500 applicants in a college, 900 were from commerce background. The number of girls were 600, out of which 230 were from science stream.

In 2011, the total number of applicants was 2,500 of which 1,800 were boys. The number of students from science stream was 1,600 of which 450 were girls.

Q8. Calculate median from the following data : (3)

X:	10	12	14	18	20	16	22
f:	2	5	12	10	7	20	3

Q9. Calculate the value of median from the data given below : (4)

Class Interval	1-10	11-20	21-30	31-40	41-50
Frequency	4	12	20	9	5

Q10. (a) Calculate Arithmetic mean from the following data by step deviation method. (Take  $A = .35$ )

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No. of students	5	7	12	18	5	3

(b) State any one mathematical property of Arithmetic Mean. (3+1=4)

(2)



Q11. Draw a pie diagram for the following data on public expenditure : (4)

Items	Amount (in ₹ crores)
Agriculture and Rural Development	40
Irrigation	50
Energy	30
Industry	20
Transport and Communication	30
Social Services	10

OR

The following are the profits earned by two companies in India over the last four years. Present the following data by a suitable bar diagram. (4)

Year	Maruti (₹ crore)	Hyundai (₹ crore)
2012	20	15
2013	40	25
2014	45	40
2015	50	45

Q12. Find mode from the following data using grouping method: (6)

Class Interval	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45
Frequency	6	20	32	10	25	30	28	10	15

Q13. (a) Draw a 'less than' and a 'more than' ogive for the following frequency distribution on a single graph :

Marks :	0-10	10-20	20-30	30-40	40-50	50-60
No. of Students :	6	4	5	10	12	3

(b) Explain any two demerits of median. (4+2=6)

(3)

Q14. (a) What is meant by questionnaire? Enumerate the essentials of a good questionnaire.

(b) Differentiate between random sampling and non-random sampling. (3+3=6)

OR

(a) Differentiate between 'primary data' and 'secondary data'.

(b) Briefly explain the technique of stratified sampling with the help of a suitable example. (3+3=6)

Q15. (a) Find the missing frequency in the following distribution if arithmetic mean is 20.

Class :	0-10	10-20	20-30	30-40	40-50
Frequency :	5	?	15	16	6

(b) The average weight of 20 students is 94 kg. While the average weight of 8 students is 100 kg. Calculate the average weight of rest of the students. (3+3=6)

**SECTION-B (Indian Economic Development)**

Q16. Which of the following is not a component of privatisation? (Choose the correct alternative) (1)

(a) Contraction of public sector

(b) Withdrawal of government from management of public sector enterprises.

(c) Purchase of public sector's share by private sector.

(d) Purchase of private sector's share by the government.

Q17. Land reforms refer to : (Choose the correct alternative) (1)

(a) abolition of intermediaries.

(b) making more land available to small and marginal farmers.

(c) consolidation of small and fragmented land holdings.

(d) All of the above.

Q18. \_\_\_\_\_ involves deregulation and reduction of government controls and greater autonomy of private investment to make the economy more competitive. (1)

- (a) Globalisation (b) Privatisation  
(c) Liberalisation (d) None of these

Q19. Name some notable economists who estimated India's per capital income during the colonial period. (1)

Q20. Define 'Small Scale Industry'. (1)

Q21. Discuss the state of India's foreign trade during the colonial rule. (3)

Q22. Explain the objectives of growth and equity as adopted by the Indian planners after independence. (3)

Q23. Agricultural sector appears to be adversely affected by the reform process. Justify giving reasons. (3)

OR

'The economic crisis that prevailed in 1991 led to the adoption of the New Economic Policy'. Briefly describe any three causes that led to this crisis. (3)

Q24. (a) What is the difference between absolute and relative poverty?

(b) Is there any relationship between unemployment and poverty? Explain. (2+2=4)

Q25. 'The public sector in India had to play an extensive role in promoting the industrial sector after independence'. Why was the public sector given a leading role in promoting industrialisation in India and how far was it successful? (4)

OR

Describe the foreign trade policy that India followed during 1950-1990.

Q26. (a) State any two functions of World Trade Organisation.  
(b) India has certain advantages which make it a

(5)



favourite outsourcing destination. What are these advantages? (4+4=8)

- Q27. (a) 'Green Revolution enabled the government to procure sufficient foodgrains to build its stocks that could be used during times of shortage'. In this context, discuss the benefits of Green Revolution.
- (b) While subsidies encourage farmers to use new technology, they are a huge burden on government finances. Discuss the usefulness of subsidies in the light of this fact. (3+3=6)
- Q28. (a) Were there any positive contributions by Britishers in India? Discuss.
- (b) Briefly explain three main causes of India's agricultural stagnation during the British rule. (3+3=6)

OR

- (a) Give a quantitative appraisal of India's demographic profile during the colonial period.
- (b) Discuss briefly the shortfalls of the industrial policy pursued by the British colonial administration. (3+3=6)
- Q29. (a) Explain briefly the reform policies introduced in 1991 to improve the performance of financial sector in India.
- (b) Explain the changes initiated in external sector after 1991. (3+3=6)
- Q30. (a) Explain the 'growth oriented approach' adopted by the government to alleviate poverty in India.
- (b) Discuss three major weaknesses of various poverty alleviation programmes taken up by the Indian government. (3+3=6)



FT-F

9/2016

**SUBJECT : ACCOUNTANCY (SET-II)**

**M.M. : 100**

**Time : 3 Hrs.**

**Instructions :**

- (i) Marks for each question are indicated against it.  
(ii) All parts of a question should be attempted at one place.  
(iii) Show working notes clearly.

- Q1. Heavy Expenditure incurred on advertisement is which type of expenditure? (1)  
Q2. Which principle states that anticipated profits should be ignored but all anticipated losses must be provided? (1)  
Q3. Define Trade discount. (1)  
Q4. Name the accounts which do not have physical existence as human beings but they work as personal A/cs. Give examples. (1)  
Q5. What is a contra entry? (1)  
Q6. Partial recovery from Mr. Chandran, our debtor of an amount of ₹ 2,000 earlier written off as Bad debts should be recorded in which subsidiary Book? (1)  
Q7. Prepare a Petty Cash Book in books of Durga Club on the basis of following transactions if books are maintained on imprest system. (3)

Date	Particulars	₹
2015		
Jan. 1	Cash received from Head cashier	2,000
Jan. 5	Paid for snacks in office	100
Jan. 7	Cartage paid	60
Jan. 9	Stationery purchased	80
Jan. 19	Drawing Pins purchased	20
Jan. 21	Refreshments expenses	40
Jan. 26	Paid for cartage	10



Q.8 Differentiate between Cash and Accrual basis of Accounting. (3)

Q9. Why are management, Government and Investors interested in accounting information? (3)

Q10. Arya Book Depot is dealing in school books and stationery items. Firm decided to provide free books and stationery items to physically challenged students of the near by area. Firm also decided to sponsor 10 scholarships of ₹ 1000 each per year to poor students for their outstanding performance in the C.B.S.E. Board examination. Indicate the values involved in these decisions of the firm. (3)

Q11. X started a business on 1st April, 2014 with a capital of ₹ 1,00,000 and a loan of ₹ 50,000 from the bank. On 31st March, 2015 his assets were ₹ 1,75,000. Find out his capital as on 31st March, 2015 and profit earned during the year 2014-15 when drawings made are ₹ 25,000 and additional capital is ₹ 10,000. (3)

Q12. (a) Distinguish between Sales Book and Sales Account.  
(b) Make account of our Debtor Ram and write the following transactions on proper sides. (₹)

- |       |                             |        |
|-------|-----------------------------|--------|
| (i)   | Sold goods to Ram on credit | 20,000 |
| (ii)  | Received cash from Ram      | 15,000 |
| (iii) | Ram returned goods to us    | 3,000  |
| (iv)  | Sold goods to Ram for cash  | 10,000 |

(1½+1½=3)

Q13. Prepare Trial Balance of Rama Enterprises from the following balances as on 31st March, 2014 : (4)

Name of Account	(₹)	Name of Account	(₹)
Furniture	20,000	Returns outwards	1,000
Purchases	30,000	Capital	50,000
Bank overdraft	10,000	Accrued commission	400
Bad debts	500	Depreciation	1,000

(2)



Provision for Doubtful debts	1,400	Prepaid Insurance	600
Salary outstanding	600	Interest Received	1,000
Cash	4,500	Creditors	17,000
Salaries	18,000	Discount received	1,000
Debtors	28,000	Discount allowed	1,000
Sales	45,000	Plant	23,000

Q14. (a) Pass the opening entry on 1st April, 2016 on basis of the following information taken from the books of Mr. Raj.

Cash in hand ₹ 18,000; Stock of goods ₹ 50,000; Debtors : Vijay - ₹ 2,700; Anil - ₹ 1,500; Ashwini - ₹ 2,000; Creditors : Arya & Co. - ₹ 7,000; Mrs. Anil's Loan - ₹ 7,200; Capital - ₹ 60,000.

(b) Distinguish between Journal and Ledger. (2+2=4)

Q15. Distinguish between Reserves and Provisions. (4)

Q16. (a) Explain 'Reliability' as a qualitative characteristic of Accounting.

(b) Identify the principle applied in following case :

(i) Everything a firm owns, it also owes out to somebody.

(ii) Full cost of an asset is not treated as an expense in year of its purchase.

(iii) Omission of paisa and showing round figure in year of purchase. (1+3=4)

Q17. From the following information, ascertain the Bank Balance as per Pass Book :

(a) Balance as per Cash Book as on 31st March, 2015  
₹ 17,800

(b) Cheques issued but not yet presented for payment  
₹ 3,800

(c) Cheques deposited but not yet collected ₹ 5,000



- (d) A customer deposited ₹ 3,000 directly into the bank.
- (e) A Bill Receivable for ₹ 700 previously discounted with the bank had been dishonoured but advise was received on 1st April, 2015.
- (f) Debit side of Cash Book (Bank column) has been overcast by ₹ 250.
- (g) The Bank has credited ₹ 350 on account of interest.

(6)

Q18. (a) What are International Financial Reporting Standards? What are the objectives of International Accounting Standard Board?

(b) Distinguish between IFRS and Indian Accounting Standards. (4+2=6)

Q19. (a) Recording the transactions and events correctly and preparing financial statements are the only objective of accounting. Do you agree? Give reasons.

(b) Explain any four limitations of accounting. (2+4=6)

Q20. Show the accounting equation related to business of Mr. X with the help of following transactions : (6)

- (i) Invested ₹ 40,00,000 as capital in business.
- (ii) Purchased a building for cash from Mohan ₹ 15,00,000 by taking a loan from bank.
- (iii) Paid interest on loan ₹ 30,000 and instalment of ₹ 2,50,000.
- (iv) Purchased goods from Sohan ₹ 1,00,000.
- (v) Returned goods to Sohan costing ₹ 20,000.
- (vi) Sold goods worth ₹ 50,000 to Ram at profit of 20% on cost.
- (vii) Charge depreciation on building ₹ 1,00,000.
- (viii) Took goods of ₹ 5,000 from business for personal use.
- (ix) Accrued interest ₹ 5,000.
- (x) Commission received in advance ₹ 10,000.



(xi) Charge interest on drawings ₹ 5,000.

(xii) Expense outstanding ₹ 1,000.

Q21. Define Trial Balance. Give its four objective. (6)

Q22. Record the following transactions in the Purchase Book and Sales Book of Royal Furnitures, Pahar Ganj, Delhi : 2010

April 03 Sold Typewriter to Laxmi Stores, Delhi for ₹ 18,000.

April 10 Sold to Star Furnitures, Tilak Nagar, Delhi  
50 Chairs @ ₹ 200 each  
10 Tables @ ₹ 500 each  
Less Trade discount @ 10%

April 11 Bought from Moonlight Furniture, Rani Bagh  
100 Almirahs @ ₹ 3,000 each  
2 Sofa sets @ ₹ 4,500 each  
20 Chairs @ ₹ 200 each  
Less 15% Trade discount

April 15 Bought from Rajdhani Mart, Tilak Nagar  
20 Chairs @ ₹ 200 each for cash

April 18 Sold to Laxmi Furniture, Delhi  
4 Sofa sets @ ₹ 5,000 each  
Less Trade discount @ 15%

April 20 Sold to Shree Ram Furniture, Delhi for cash  
20 Chairs @ ₹ 100 each  
10 Tables @ ₹ 600 each

April 25 Bought from Shri Lal Furnitures for credit  
50 Almirahs @ ₹ 5000 each  
2 Sola sets @ ₹ 4,500 each

April 29 Bought from Prakash Mart, Delhi  
10 Shirt piece @ ₹ 600 each (6)



**Q23.(a)** Prepare the vouchers (any two) for the following transactions.

- Opened a bank account in canara bank with Rs.6000
- Sold old typewriter for cash vide cash receipt no.314, Rs.5000
- Depreciation charged on building @ 10% on Rs.2,00,000.

**(b)** Vijay a consultant during the financial year 2014-15 earned Rs.4,00,000. Out of which he received Rs.3,50,000. He incurred an expense of Rs.1,70,000, out of which Rs.40,000 are outstanding. He also received consultancy fee relating to previous year Rs.45,000, paid expense of Rs.20,000 of last year and also received an advance of Rs.10,000 for the year 2015-16. (5+3)

**Q24. (a)** Enter the following transactions in a Cash Book of Pal with Cash and Bank columns :

Date	Particulars	(₹)
2012		
June 1	Cash in Hand	800
June 1	Bank overdraft	5,700
June 5	Received a cheque from Ram	3,250
June 7	Deposited Ram's cheque into Bank	
June 10	Paid to charitable hospital for treatment of low income groups of people and physically challenged people by cheque	2,425
June 15	Ram's cheque returned dishonoured	
June 20	Withdrew from bank for office use	250
June 25	Cheque received from Hari	1,200
June 28	Hari's cheque was endorsed in favour of Mukesh	
June 30	Rent paid by cheque	150
June 31	Bank charges	25

**(b)** Identify the values highlighted in Cash Book of Pal.

(6+2=8)

OR

(6)



(a) Enter the following transactions of M/s Prime Trading company in Cash Book with Bank column.

Date	Particulars	(₹)	Date	Particulars	(₹)
2015			2015		
Dec. 1	Cash in Hand	40,000	Dec. 12	Bank returns a cheque of ₹ 29,000 received from Ram Lal	
Dec. 1	Bank overdraft	1,00,000			
Dec. 3	Received a cheque from Ram Lal on account ₹ 29,000 and allowed him discount ₹ 400		Dec. 15	Cheque received from Chandu Lal of ₹ 2,40,000 and allowed him discount ₹ 10,000	
Dec. 7	Ram Lal's cheque deposited into Bank				
Dec. 7	Paid salaries for month of November 2015 in Cash	28,000	Dec. 20	Issued a cheque for PM relief fund	93,000
Dec. 10	Withdrew from Bank for office use	8,000			
Dec. 12	Paid for Plantation of trees in nearby parks by cheque	6,000			

(b) Indicate the values highlighted in above Cash Book. (6+2=8)

Q25. Fill in the missing information in the following journal entries : (8)

Journal

S.No.	Particulars	L.F.	Amount (Dr.)	Amount (Cr.)
(1)	..... Dr.		10,000	
	To .....			10,000
	(Being Bad debts written off last year now recovered)			

(7)



(ii)	..... Dr.	4,000	
	To .....		4,000
	(Interest due but not received)		
(iii)	..... Dr.	.....	
	..... Dr.	.....	
	To .....		.....
	(Paid rent by cheque ₹ 30,000 one third of the premises is occupied by the proprietor for his residence)		
(iv)	..... Dr.	8,000	
	To .....		8,000
	(Returned goods to Rashmi)		
(v)	Cash A/c ..... Dr.	42,000	
	..... Dr.	.....	
	To .....		.....
	(60 paise in the rupee received from official receiver of Gopal on his insolvency)		
(vi)	..... Dr.	.....	
	To .....		.....
	(Goods costing ₹ 10,000 sale price ₹ 12,000 withdrawn for personal use)		
(vii)	..... Dr.	60,000	
	..... Dr.	.....	
	To .....		.....
	(Cash received for sales from travelling salesman after deducting his travelling expenses ₹ 3,000)		
(viii)	..... Dr.	.....	
	To .....		2,500
	(Interest payable on Mrs. Kusum's loan of ₹ 2,00,000 @ 15% p.a. for one month)		

OR

(8)



Fill in the missing information in the following journal entries :

(8)

Journal

S.No.	Particulars	L.F.	Amount (Dr.)	Amount (Cr.)
(i)	..... Dr. To ..... (Interest charged on capital of ₹ 20,00,000 @ 9% p.a.)			
(ii)	..... Dr. ..... Dr. ..... Dr. To ..... (Goods sold to Dushyant for ₹ 60,000 @ 5% Trade discount and 10% cash discount and received 1/3 <sup>rd</sup> in cash)			
(iii)	..... Dr. To ..... (Goods returned by Reena)		18,000	18,000
(iv)	..... Dr. To ..... To ..... (Cash ₹ 500 and goods worth ₹ 2,000 were stolen by employee)			500
(v)	..... Dr. To ..... (Provided Depreciation @ 20% on machinery costing ₹ 50,000)			
(vi)	..... Dr. ..... Dr. To Vikas (Cheque received from Vikas and and discount allowed @ 5%)			1,00,000

(9)



(vi)	..... Dr.	3,000	.....
	To .....		
	(Out of insurance paid this year ₹ 3,000 is related to next year)		
(vii)	..... Dr.	.....	
	..... Dr.	.....	
	To Cash A/c		10,000
	(Income tax ₹ 4,000 and Central Sales tax ₹ 6,000 paid)		



Term-I  
Class - XI  
SUBJECT: PHYSICAL EDUCATION

TIME: 3 HOURS

M.M-70

**General Instructions:**

- (i) *All questions are compulsory.*
- (ii) *Answer to question carrying 1 mark should be approximately 30 words.*
- (iii) *Answer to question carrying 3 marks should be approximately in 100 words.*
- (iv) *Answer to question carrying 5 marks should be approximately in 150-200 words.*

- Q1. What is the aim of Physical Education? (1)
- Q2. Write down the oath of Special Olympic Bharat? (1)
- Q3. What is meant by life style? (1)
- Q4. What do you mean by coordinative abilities? (1)
- Q5. Write down the Olympic Oath? (1)
- Q6. What do you mean by Body Composition? (1)
- Q7. What is Pranayama? (1)
- Q8. What is Olympic Motto? (1)
- Q9. What are types of Doping? (1)
- Q10. Define Blood Doping? (1)
- Q11. Define Physical Activity? (1)
- Q12. Write a short a note on Olympic Flag? (3)
- Q13. Discuss the role of maintaining a healthy weight in preventing health threats through the lifestyle changes? (3)
- Q14. Briefly discuss about Paralympic Movement. (3)
- Q15. Briefly explain the principles of Integrated Physical Education. (3)
- Q16. Describe any three physiological benefits of Asnas? (3)
- Q17. Discuss about the opening and closing ceremony of Modern Olympic Games. (3)
- Q18. Define Strength and discuss its types in brief. (3)
- Q19. What do you mean by Asnas? Discuss the types of Asnas? (3)



- Q20. Discuss the elements of Yoga? (5)
- Q21. Explain about Rajiv Gandhi Khel Ratna Award. (5)
- Q22. Discuss the main Aims of National Institute of Sports. (5)
- Q23. Discuss the methods of prevention and management of Diabetes. (5)
- Q24. Describe the side effects of Anabolic steroids, stimulants, narcotics, Beta-2-Agonists and Diuretics. (5)
- Q25. Discuss any five essential elements of Positive Sports Environment. (5)
- Q26. Describe any five types of Ergogenic Aids. (5)

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## SUBJECT : COMPUTER SCIENCE (SET-I)

Time : 3 Hrs.

M.M.: 70

**General Instructions :****(i) All the questions are compulsory.****(ii) Programming language: C++**

- Q1. (a) Distinguish between input devices and output devices. (2)
- (b) What are language processors? Give the names of all language processors. (2)
- (c) Write any two weaknesses of a computer? (1)
- (d) Write a short note on operating system. (1)
- (e) (i) Convert following number from octal to decimal  
7356 (1)
- (ii) Convert hexadecimal to binary. (1)  
7AB4.4F
- (iii) Convert binary to octal (1)  
11100011110.10111
- (f) What is taskbar? (1)
- Q2. (a) (i) Explain the following Operating Systems? (2)  
(a) Time sharing OS  
(b) Multi processing OS
- (ii) What is the use of folders? (1)
- (b) Explain any two types of integer constants. (2)
- (c) (i) Out of the following, find those identifiers, which can be used for naming variable, constants or functions in a C++ program. (2)  
\_Cost, price\*qty, float, Switch, All data, Delete, Number12, do

(1)



- (ii) What will be result of  $a = 3/5$  if a is (c1) int  
(c2) float? (1)
- (d) Write a program to Calculate Area fo Equilateral Triangle. (2)
- Q3. (a) Arrange the data types from largest to smallest based upon the size. (2)
- long, double, char, int
- (b) Write a C++ program to input any average marks and to find grade value based upon the following information. (3)

Average Marks	Grade
$\geq 85$	A
$< 85 \ \& \ \geq 65$	B
$< 65 \ \& \ \geq 45$	C
$< 45 \ \& \ \geq 25$	D
$< 25$	E

- (c) (i) Explain any two user define data type with an example. (2)
- (ii) Define a structure data type with an example? (2)
- (d) What will be the size of the following constants? (1)
- (i) "LOGICAL EXPRESSION"
- (ii) 'Y'
- Q4. (a) What is the difference between automatic type conversion and type casting? Give example to explain both. (2)
- (b) What will be the output of the following code : (2)
- (i) `cout<<"$\n&&\n$$$t&&&\n";`
- (ii) `char b = '%'; cout<<b; cout<<"b";`
- (c) Write a program to input any number and to find factorial value of that number. (3)



- (d) Write a program to print the area of square, circle and triangle using switch statements only (3)
- Q5. (a) (i) Explain logical errors and run time errors with an example. (2)
- (ii) Differentiate between while and do...while. (2)
- (b) (i) Rewrite the corrected program : (2)

```
#include<iostream.h>
void main( )
{
int j = 99, a;
float u = 10.0;
cin(a);
while a<=j
{
a+=10;
u=*a;
}
}
```

- (ii) Write an equivalent do...while loop for the following for loop. (2)

```
for (i=20, s=0; i<=500; i+=20)
{
cout<<i<<"\t";
s+=i;
}
cout<<"\n sum="<<s;
```

- (c) Find Two's complement of (-76) [use one byte memory] (2)
- Q6. (a) What is the difference between '7', 7, 7.7 and "7"? (2)
- (b) Write a program to check whether given year is leap year or not. (2)



- (c) Rewrite the following code fragment using if. (2)

```
switch(ch)
{
case 'P' : cout<<"Platinum";
break;
case 'G' : cout<<"Gold";
break;
case 'S' : cout<<"Silver";
break;
default : cout<<"Normal";
}
```

- (d) (i) int i=0, sum=0;  
while(++i<5)  
sum+=i;  
cout<<"Sum="<<sum;

(ii) int i=0, sum=0;  
while(i++<5)  
sum+=i;  
cout<<"Sum="<<sum;

- (a) Find the output of the above codes. (2)  
(b) How many times the above loops will execute. Explain. (2)

- Q7. (a) Write a program to input any number and to print all Prime numbers upto given number. (4)  
(b) Write a program to find the sum of all odd natural numbers upto given number. (2)  
(c) Write a program to check whether the reverse of the number is same as given number or not. (4)



- (c) What has happened to her now? (1)  
 (d) What did the photograph depict? (1)

OR

And who art thou? Said I to the soft falling shower,  
 Which, strange to tell, gave me an answer, as here translated :  
 I am the Poem of Earth, said the voice of the rain.

- (a) Who are the two people in conversation? (1)  
 (b) What did the poet ask? (1)  
 (c) Why was it 'strange to tell'? (1)  
 (d) What does the rain call itself? Why? (1)

- Q7. Answer any four of the following questions in 30-40 words each : (4x3=12)
- (a) Which lifetime habit did the grandmother break on the day of the author's arrival from abroad? How did she make amends for it?  
 (b) How did the crew of the 'Wave walker' prepare themselves for the worst?  
 (c) The poem 'A Photograph' highlights contradictory feelings of permanence and transience. Comment.  
 (d) How did the dogs at John Byro's vineyard behave? What explanation did Mourad give for this behaviour?  
 (e) Who was Mrs. Dorling? What made her renew her contact with Mrs. S, the narrator's mother?  
 (f) The old lady who had come to see Ranga on his return from Bangalore went away satisfied. Why?

- Q8. Answer the following question in 120-150 words : (6)  
 Describe the narrator's ploy to get Ranga married.

OR

The grandmother was a caring lady. She loved animals and birds and took care of the street dogs and the sparrows. Based on your reading of the story, write a character sketch of the author's grandmother.

- Q9. Answer the following question in 120-150 words : (6)  
 The children faced the situation more bravely and maturely than their years. Discuss.

OR

How does Aram describe the 'spritis of his tribe'? What was the hallmark of his tribe?

- Q10. Answer the following question in 120-150 words : (6)  
 Discuss the elaborate preparations made by the ghost for his August 17 performance. Did it achieve the desired effect?

- Q11. Answer the following question in 120-150 words : (6)  
 Write the character sketch of Mr. Otis.



## SUBJECT : ENGLISH (SET-I)

Time : 3 Hrs.

M.M.: 80

**General Instructions :**

- (i) All questions are compulsory.
- (ii) You may attempt any section at a time.
- (iii) All questions of that particular section must be attempted in the correct order.
- (iv) Avoid cutting and over-writing.

**SECTION-A (READING)**

- Q1. Read the given passage carefully : (12)
1. How often have you heard people remark : "I'm not like the rest; I'm different"? How often do people make this assessment of themselves in varied contexts? To some extent it is true; all of us are unique, different from each other. It is heartening to know that no two snowflakes are alike and everyone's finger prints are unique. Indeed, very few things in nature are exactly alike; each cloud, each flower, tree, every leaf, and even water molecules, are different from each other. Certainly, Nature never meant human beings to be clones of each other. Our DNA, circumstances of birth, culture, upbringing, influences and exposure - all ensure each individual has striking differences from another.
  2. But we ignore that reality and pour ourselves into readily available cast. We model ourselves on available leads, become a part of groups and thereby lose our individual identities. Looking around for affirmations and approvals, we end up as clones of each other. Drowning the voice of our individual drummer we march to tunes that have the stamp of social approval.
  3. And yet the niggling voice within us sometimes asserts itself, and we declare we are different. Of course we are. Each one of us is different. But do we really appreciate or even understand our own differentiators? Do we work upon and display these to our advantage? "If you only read the books that everyone is reading you can only think what everyone else is thinking", says Haruki Murakami in Norwegian Woods. True. And similarly if you only do what everyone else is doing, wear what others are wearing, echo opinions and reflect attitudes you encounter elsewhere - you can only be one of many!
  4. If you wish to lead a life less ordinary it is important to create your differentiator and nurture it. Just like a differentiator helps grow or kill a business, differentiator for an individual gives him that competitive edge over others. This is what will make you stand out, be the one who is selected from amongst many, and the cynosure of all eyes in a crowded room. Your differentiator is what gives you your individual identity, the one thing that will make you stand out in a sea of 'others'.
  5. To identify your differentiators focus on understanding and accepting yourself as you are, without wanting to be someone or something else. This will help you naturally gravitate towards things that enhance and add value to you. You will learn to develop skills and use these to your best advantage without looking around for guidance or waiting for a sign. You will develop your own individual personalities as well as style statements.



6. It is important to develop your signature style, be it in personality traits, attitude or style statement. It could be the pursuit of a hobby that lifts you above the rest, or a philosophy or outlook you display. Step out of the boxes you have been taught to grow within and explore possibilities beyond. Consciously attempt to do things in your own way. Certain traits become the hallmark of a profession. Bureaucrats will be pompous; politicians will be smoothly devious; journalists will be intrusive; clerks irritable, scientists will be absent-minded; lawyers argumentative and doctors harried! Some are smart enough to consciously step away from adopting the traits associated with a group or profession; they develop their own differentiators and attitudes. These are the ones instantly marked as 'different'.
7. But different from what? It is very easy if difference alone is the agenda. Wear strange clothes, walk in a strange manner, be rude amongst polite people and take on an anti-special stance. You are different! However being subversive or an object of ridicule is not the point. Nor is it the idea to stand out for the heck of it. Your differentiator has to be real and true to you as you understand yourself. Then alone it is enticing and exciting.
8. Hence in order to be effective, the differentiator has to define you and your agenda, not be the agenda itself. That will make you stand apart. That will give you the cutting edge over others and distinguish you from the rest of the crowd.

1.1 On the basis of your understanding of the above passage, answer the following questions by choosing the most appropriate option : (1x4=4)

- (a) Human beings are different from each other because \_\_\_\_\_
  - (i) nature never meant us to be clones
  - (ii) we are made like snowflakes
  - (iii) we follow different professions
  - (iv) our DNA is wired at birth
- (b) Despite being different from one another \_\_\_\_\_
  - (i) we fight for our rights
  - (ii) we become individual drummers
  - (iii) we go to nature for support
  - (iv) we pour ourselves into a readily available cast
- (c) If you do what others are doing, \_\_\_\_\_
  - (i) you lead an extraordinary life
  - (ii) you become part of the crowd
  - (iii) you become cynosure of all eyes
  - (iv) you create your individual identity
- (d) Your true differentiator is \_\_\_\_\_
  - (i) wearing clothes that others are wearing
  - (ii) take an anti-special stance
  - (iii) be true and understand yourself
  - (iv) be enticing and attractive



1.2 Answer the following questions briefly :

(1x6=6)

- (a) What gives individuals their striking differences?
- (b) What steps do we take to drown our differences?
- (c) What are the advantages of accepting ourselves as we are?
- (d) What are differentiators? How can one avoid them?
- (e) How can one be an effective personality?
- (f) What is the ultimate test of a true differentiator?

1.3 Find words from the passage that mean the same as :

(1x2=2)

- (a) to foster (para 4)
- (b) prying into another's affairs (para 6)

Q2. Read the passage given below and answer the questions that follow :

(8)

1. Most parents at some stage are driven to distraction by one or more of their children's annoying habits or behaviours, whether it is a toddler who continually whines, a school-aged child who leaves clothes lying around or a teenager who uses a less than pleasant vocabulary.
2. How to affect change is a challenge for many parents. Do you ignore a child's annoying behaviour or do you pick up on it? A useful rule of thumb is to pick up on behaviours that are dangerous to the child himself or significantly infringe on the rights and comfort of others. Also ask yourself: Is this behaviour reasonable for the child's age? For instance, it is reasonable to expect an eight-year-old not to disturb you while you are on the phone for twenty minutes but it is not reasonable to expect the same of a two-year-old. It is also useful to take into account the child's current state of mind and what is going on in their lives that may be related to some unusual behaviour to occur at home.
3. The following four principles for changing your child's behaviour will be effective if you are both patient and persistent. Change your initial response first. This is important because children's behaviour generally requires a pay-off, which may be your attention or an attempt to defeat you. The most important principle about changing children's behaviour is to change your own behaviour first. So, if your child whines to get his own way refrain from answering back or giving in.
4. Practice with your child the behaviour that you want. The notion of behaviour rehearsal is fundamental to learning a new behaviour. Don't just tell kids what you expect, get them to practice the behaviour you want. In the example of a young whiner - get him to practice asking for help or a treat in a normal voice.
5. Minimise the behaviour you don't want. That means when children continue their old behaviour despite your brilliant suggestions ignore it, sidestep it or implement a consequence but don't nag or harp on it. Remember it takes time often to change a behaviour, particularly if it has been happening for a long time. Spotlight the appropriate behaviour. When your children behave in the desired way show your sincere appreciation. We often take children for granted or rather we are trained to give children no attention when they are good, but plenty when they are less than perfect. The behaviours we focus on expand so we need to focus our attention on desirable



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behaviours more than on the negative behaviours. For our young whiner it is essential to make a fuss when he uses a normal voice to get what he wants.

6. Like any process it will only work if you stick to it and follow it through. And don't be afraid to adapt it to suit your circumstances. Remember, it is the fact that you have a plan rather than the nature of the plan that is most powerful in achieving a change in your children's behaviour.

- *The Times of India*

- (A) On the basis of your reading of the above passage, make notes on it, using headings and sub-headings. Use recognizable abbreviations (wherever necessary - minimum four). Also supply an appropriate title. (5)
- (B) Write a summary of the above passage in about 80 words using the notes made. (3)

### SECTION-B (ADVANCED WRITING SKILLS)

- Q3. As the Sports Captain of Laurel High School, Karnal, write a notice for student's notice board informing budding cricketers to attend trials for selection to the school team.

OR

The Power Grid Corporation of India needs a poster for its nationwide 'Save Energy Campaign'. Draw a poster for the campaign. (4)

- Q4. You are Anita/Gautam staying at Ankur Apartments, Mayur Vihar, Delhi. There is no park within the radius of 2 km from the society. The absence of a park is causing a lot of inconvenience to the residents, especially children and elderly people. Write a letter to the editor 'The Times of India' drawing attention of the concerned authorities to the problem.

OR

Everyday newspapers scream of a new scam, a new scandal, a new case of corruption or embezzlement or unearthing of unaccounted money, arrest of officials taking bribe and what not. Write a letter to the editor of a national daily voicing your concern over the issue. (6)

- Q5. A special Theatre Festival is being held in your school. Many well known modern plays will be staged by amateur theatre groups in this week-long festival. Write a report in about 150-200 words on the proceedings of the festival.

OR

Today reckless driving on roads is a great threat. The roads have virtually become death traps for pedestrians and motorists alike thanks to speeding vehicles. Write an article in about 150-200 words on the topic 'Reckless Driving Thrills But Kills'. (10)

### SECTION-C (TEXT BOOKS AND LONG READING TEXT)

- Q6. Read the following extracts and answer the questions that follow : (4)

The cardboard shows me how it was  
When the two girl cousins went paddling,  
Each one holding one of my mother's hands,  
And she the big girl - some twelve years or so.

(a) What does 'it' refer to in this extract? (1)

(b) Who is 'she' here? Why has she been called 'big'? (1)