

XI Sc & Comm.

Physics

Date	CHAPTER /UNIT	Topic to be covered
23.12.2018	Motion in a plane	Scalar and vector quantities; position and displacement vectors, addition and subtraction of vectors-Parallelogram law, relative velocity, Motion in a plane, cases of uniform velocity and uniform acceleration-projectile motion, uniform circular motion. vehicle on a level circular road, vehicle on a banked road.
24.12.2018	Properties of Fluids	Pressure due to a fluid column; Pascal's law and its applications (hydraulic lift and hydraulic brakes, Viscosity, Stokes' law, terminal velocity, Bernoulli's theorem and its applications..
25.12.2018	Properties of Fluids	Surface energy and surface tension, angle of contact, excess of pressure across a curved surface, application of surface tension ideas to drops, bubbles and capillary rise
26.12.2018	Ray Optics	Mirror formula, Refraction through spherical surfaces, Lens maker formula, Lens formula, Power of lens, Total internal reflection and its applications, optical fibres, combination of thin lenses in contact, refraction and dispersion of light through a prism. Scattering of light - blue colour of sky and reddish appearance of the sun at sunrise and sunset.
27.12.2018	Ray Optics	Refraction through prism, Ray diagram of compound microscope and telescope with magnification formula, Advantages of reflecting telescope over refracting telescope, Numericals
28.12.2018	Gravitation	Kepler's laws of planetary motion, universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth. Gravitational potential energy and gravitational potential, escape velocity, orbital velocity of a satellite, Geo-stationary satellites. Weightlessness
29.12.2018	Thermal Properties of Matter	Heat, temperature, thermal expansion; Triple point; specific heat capacity; C_p , C_v - calorimetry; change of state - latent heat. Heat transfer-conduction, convection and radiation, thermal conductivity, Newton's law of cooling, Wein's displacement Law, Stefan's law,
30.12.2018	Thermodynamics	Thermal equilibrium and definition of absolute zero temperature, zeroth law of thermodynamics First law of thermodynamics, Proof of $C_p - C_v = R$
31.12.2018	Thermodynamics	Work done in isothermal and adiabatic processes. Second law of thermodynamics, Heat engine and refrigerator.
01.12.2019		POST TEST

+SOLVING THREE SETS OF PREVIOUS QUESTION PAPERS

Chemistry

1. Draw the geometry of the molecules in which the central metal atom has no lone pair of electron. (At least 5)
2. Draw the geometry of the molecules and ions with central ion having one or more lone pair of electron. (At least 5)
3. What is enthalpy of dilution? Explain the second and third law of thermodynamics.
4. Show that the circumference of Bohr's orbit for the hydrogen atom is an integral multiple of De- Broglie wave length.
5. Explain the following with example:
 - (i) Inductive effect
 - (ii) Electrophile
6. Identify the functional group in the compounds and name them
 - CHOC₆H₅(OMe)OH
 - NH₂C₆H₅OOCH₂CH₂N(C₂H₅)₂
 - C₆H₅CH=CHNO₂
7. Environmental Chemistry exercise (Q.no- 1 to 20)

English

For Both Science & Commerce

1. Complete the exercises of all the lessons already taught.
2. Read thoroughly the following chapters.
 - A. Adventure
 - B. The tale of melon City

Write a brief summary of each.
3. A. As you are interested in taking The British council library membership in Delhi. Write a letter to the head librarian asking for the details and the required procedure. You are Amrit/Amrita of A-46,Daryaganj New Delhi.

B. Every activity that man indulges in, is creating some kind of waste. In fact the need of the hour is to reuse, reduce and recycle. As a member of the " Green peace campaign". Write a letter to the editor of Hindustan Times on this need.
4. You are going to participate in a debate competition on the topic 'Nuclear families are better than joint families'. Write this debate in about 150 - 200 words.
5. Write an article in 150 to 200 words on vocational training as part of school curriculum expressing your views on its need in the present scenario and suggesting steps to make it successful.

6. You are Arnika/Arnab. Recently there was a chemical explosion in the school chemistry lab due to the misadventure of some students of your class. Write a report on this explosion. (Who are limit 150 to 200)
7. Select 2 unseen passages and I. Read the first passage thoroughly and do the comprehension work.
 - ii. Make notes and the second passage and write the summary of it in about hundred words.

Biology

Biology

Answer the following questions in a ruled sheet.

1. write the difference *(4)
 - a) C3 and C4 cycle
 - b) cyclic and non-cyclic photophosphorylation
2. Explain the Light reaction and Dark reaction phase of photosynthesis. With suitable diagram. (5)
3. Explain the Glycolysis and Krebs's cycle with all the steps and enzymes involved.
4. What is oxidative phosphorylation?
5. Write the characteristics features of Plant growth. Represent its growth graphically.
6. Explain the given terms
Photoperiodism, vernalisation, senescence, emulsification, succus intericus
7. Mentions some digestive disorders and Respiratory diseases.
8. Write the mechanism involved in the transport of O₂ and CO₂.
9. Draw the digestive system and Respiratory system with label. Write the function of the organs associated .
10. Write the physiological effect of Auxin, Gibberelin, Cytokinin and ABA.

Class XI (CS)

1. Write the difference between Delete and Truncate Command in My Sql.
2. What is the Difference between DML and DDL?
3. What is the use of Drop Table command?
4. What is DBMS?
5. Define the following

- a. Primary Key
 - b. Alternate Key
 - c. Candidate Key
6. What does union operation do? What are the conditions to carry out union operation.
7. What is Cartesian product?
8. Explain Cartesian product of two relations.

9. Convert the Following

a. $(900)_{10} = (\quad)_2$ b. $(1100111)_2 = (\quad)_{10}$ c. $(ACB)_{16} = (\quad)_{10}$ d. $(7444)_{10} = (\quad)_8$

10. Write Program to sort the passed array of 10 integers in ascending order using Bubble Sort.

11. Write a program to input a number and display whether it is even or odd.
12. What is data redundancy?
13. What are the advantages of database system?
14. Write a program in Python to print the reverse number of an inputted number.
15. What is the use of DESC (Describe) command in MySQL?
16. What is Data Definition Language?
17. What is Equi Join? How it is different from Natural Join?
18. What is Cartesian product.
19. What are the features of DBMS?
20. Write MySQL query for the following **Prepaid** table

Prepaid

No	Cname	Model	Connection	Activation_Date	Validity(in Days)	Amount
1	Rita	Nokia	Airtel	04/06/14	365	3300
2	Ritesh	Nokia	BSNL	12/02/15	60	575
3	Reena	Samsung	BSNL	14/05/14	365	890
4	Meetali	Nokia	JIO	14/09/14	180	900
5	Rahul	Samsung	Idea	16/10/14	180	600
6	Anupam	LG	BSNL	18/01/15	60	890
7	Sahil	Nokia	JIO	10/12/14	180	300
8	Deepak	Nokia	JIO	08/03/15	30	800
9	Karan	LG	Idea	30/01/15	90	560
10	Jayant	Sony	JIO	02/02/15	60	800

- a. To display Cname and Amount of Customers having "Samsung" model and BSNL connection arrange in descending order of amount.
- b. To display different types of connection available.
- c. To display sum of validity of each type of connection grouping.
- d. Write the output of the following
 - i. Select count (distinct model) from prepaid.
 - ii. Select max (Activation) ,min(Activation) from prepaid.
 - iii. Select Avg(Validity) from Prepaid where Model="LG".
 - iv. Select max (Amount) from prepaid where connection="Idea".

Class XI (IP)

21. What is the use of DESC (Describe) command in MySQL?
22. What is Data Definition Language?
23. What is Equi Join? How it is different from Natural Join?
24. What is Cartesian Product.
25. Differentiate between Single Line String and Multiline String by giving suitable example.
26. Explain mutable and immutable type with examples.
27. Write a program to find area of a rectangle for a given value of length and breadth.
28. Write a program to input 3 numbers and find lowest among them.
29. What is an algorithm?
30. What is DBMS?
31. Define the following
 - a. Primary Key
 - b. Alternate Key
 - c. Candidate Key
32. What does union operation do? What are the conditions to carry out union operation.
33. Write a program to input a number and find its factorial
34. Write a program to create a dictionary and print it.
35. Write Program to sort the passed array of 10 integers in ascending order using Bubble Sort.
36. Write a program to input a number and display whether it is even or odd.
37. What is data redundancy?
38. What are the advantages of database system?
39. Write a program in Python to print the reverse number of an inputted number.
40. Write MYSQL query for the following **Lab** Table

Lab

No	ItemName	CostPerItem	Quantity	DateOfPurchase	Warranty	Operational
1	Computer	60000	9	21/05/16	2	7
2	Printer	15000	3	21/05/17	4	2
3	Scanner	18000	1	29/08/18	3	1
4	Camera	21000	2	13/06/16	1	2
5	Hub	8000	1	31/10/18	2	1
5	UPS	5000	5	21/01/16	1	4
7	Plotter	25000	2	11/01/18	2	2

- a. To select the ItemName purchased after 31/10/17.
- b. To list the ItemName in ascending order of the date of purchase where quantity is more than 3.
- c. To count the number of items whose cost is more than 10000?
- d. To insert a new record in the Lab table with the following data
8,"VCR",10000,2,{02/02/18},1,2

- e. Give the output of the following SQL commands
- Select min(Distinct quantity) from LAB.
 - Select min(Warranty) from lab where quantity=2.
 - Select sum(CostPerItem) from Lab where quantity>2.
 - Select Avg(CostPerItem) from Lab where DateOfPurchase<{01/01/19}.

Hindi

For Both Science & Commerce

कक्षा-11

विषय-हिन्दी

- जनसंचार के प्रमुख माध्यम कौन-कौन से हैं? विस्तार से लिखिए।
- जनसंचार की विशेषताएँ एवं उसके प्रमुख कार्य बताइए।
- पत्रकारिता के कौन-कौन से प्रकार हैं? लिखिए।
- जनसंचार माध्यम और पत्रकारिता के अति लघूत्तरात्मक प्रश्नोत्तर याद करना।
- ‘आरोह’ पुस्तक के गद्य पाठों के सभी प्रश्नोत्तर याद करना।
- वे आँखें, घर की याद, चंपा काले-काले अच्छर नहीं चीन्हती, गज़ल, हे भूख मत मचल, सबसे खतरनाक आदि पद्य पाठों की व्याख्या सहित प्रश्नोत्तर याद करना।

Maths

- Exercise 13.2 and miscellaneous exercise of chapter 10 and 13.
- Differentiation derivation of 6 trigonometric functions in 6 different forms

Business Studies

- I. What is meant by teasing finance? (1)
- II. What is meant by share capital? (1)
- III. Give the fullform of **IFCI** and **ICICI**. (1)
- IV. What is meant by paddlers and hawkers? (1)
- V. What is meant by retail trade? (1)
- VI. What is meant by public deposit? (1)
- VII. Give an advantage of vending machine. (1)
- VIII. Eplain the following 1.Retained earnings 2.Factoring (1/2 * 2 = 3)
- IX. Any three difference between equity shares and preference shares. (3)
- X. Explain the role of **NSIC** in small business. (4)
- XI. Eplain the role of small business in India. (4)
- XII. Explain any two advantages and dis advantages of super market. (4)
- XIII. Explain various problems faced by small business. (3)
- XIV. Explain five factors affecting choice of sources of fund (5)
- XV. Give the merits & demerits of retained earnings.

OR

Differentiate between departmental shares and chain shares. (6)

ACCOUNTANCY

SUBJECT:-ACCOUNTANCY CLASS:-11TH COMMERCE

1	What is meant by accounting?	1M
2	Give the fullform of ICAI and ICICI	2M
3	Distinguish between reserve and provision.	1M
4	What is meant by accountancy?	1M
5	Why is trial balance prepared?	1M
6	Give two examples of capital expenditure.	2M
7	Rectify the following errors.	4m

	<ul style="list-style-type: none"> i. A sale of RS. 50,000 made to Mr. RAJIV Nath was correctly entered in the sales day book but wrongly posted to the debit of Mr. Rajiv account as RS.5000. ii. The purchase book has been totaled short be RS.10,000. iii. Wages amounted to RS. 60,000 for machinery erection was debited to wages account. iv. Credit purchase from Ravi RS. 40,000 were posted to the credit of Nitin as RS. 30,000 	
8	<p>Record the following transactions in the books of Gupta & Sons,Hyderabad state of telangana and assume that all the transactions have been taken place within the state of telangana,charging CGST and SGST @6% each:-</p> <ul style="list-style-type: none"> I. Bought goods of the list price amounted to RS. 6,00,000 for cash.Less trade discount 10% and cash discount 5%. II. Sold goods to Mukesh & Co, for cash of the list price amounted to RS. 4,00,000,less trade discount 20% and cash discount 10%. III. Paid rent for the year by cheque 20,000. IV. Electricity and water charges paid by cheque 30,000 out of which RS. 10,000 for residence of the owner. V. Sold goods costing RS.80,000 to Verma & Co, at a profit of 20% on cost.Less trade discount 10%. <p style="text-align: center;">OR</p> <p>Pass the necessary journal entries in the books of Narayan & Co, of Vijayawada of state of Andra Pradesh amd assuming CGST and SGST @6% and IGST 12%.</p> <ul style="list-style-type: none"> i. Bought goods from Kamal & Co, of Rajahmundry(Andra Pradesh) for RS.40,000 less trade discount 10%. ii. Bought goods of the list price amounted to RS.30,000 for cash from GURU & CO, of Hyderabad of state of Telangana.Less trade discount12% and cash discount 15%. iii. Sold goods costing RS.2,00,00 to Brijesh of Bhubneshwar state of Odisha, at a profit of 30% on cost. iv. Goods returned to Kmal and Co,of Rajmundhry RS.6,000. v. Paid wages and salaries by cheque RS. 34, 00 vi. Goods withdrawn by the propettor for personal use RS.3,000 	8m

9	<p>Mr.Anand started business with capital of RS.4,00,000 on 1st sep 2017.He borrowed from his friend a sum of RS. 1,00,000 @10%P.A for 5 years, on 1st oct 2017.He brought further capital of RS. 86,000 on 31st dec 2017.On the same date her position was:</p> <table border="1" data-bbox="180 233 922 422"> <tr> <td>Cash on hand and bank</td> <td>30,000</td> </tr> <tr> <td>Stock</td> <td>4,70,000</td> </tr> <tr> <td>Debtors</td> <td>3,50,000</td> </tr> <tr> <td>Creditors</td> <td>3,00,000</td> </tr> </table> <p>He has withdrawn RS.4,000 per month during the period for personal use. Interest on loan is not outstanding as on 31st dec 2017. Show the statement of affairs as on 31st dec 2017 and calculate the profit or oss for the year ending on 31st dec 2017</p>	Cash on hand and bank	30,000	Stock	4,70,000	Debtors	3,50,000	Creditors	3,00,000	4m																		
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10	<p>Enter the following transactions in the double column cash book of M/S Ajanta coffee house.</p> <p>2018 March</p> <table border="0" data-bbox="180 747 1393 1329"> <tr> <td></td> <td style="text-align: right;">Rs.</td> </tr> <tr> <td>i. Cash in hand</td> <td style="text-align: right;">50,000</td> </tr> <tr> <td>ii. Bank overdraft</td> <td style="text-align: right;">10,000</td> </tr> <tr> <td>iii. Paid rent</td> <td style="text-align: right;">15,000</td> </tr> <tr> <td>iv. Cash deposited into bank</td> <td style="text-align: right;">20,000</td> </tr> <tr> <td>v. Sold goods to M/S max international</td> <td style="text-align: right;">75,000</td> </tr> <tr> <td>vi. Received a cheque from M/s master bakery</td> <td style="text-align: right;">50,000</td> </tr> <tr> <td>vii. Deposited the cheque received from M/S master bakery</td> <td></td> </tr> <tr> <td>viii. Invested further capital in cash</td> <td style="text-align: right;">40,000</td> </tr> <tr> <td>ix. Drew from bank for personal use</td> <td style="text-align: right;">10,000</td> </tr> <tr> <td>x. Bank charges as per pass book</td> <td style="text-align: right;">500</td> </tr> <tr> <td>xi. Received from ram in cash against sale of goods</td> <td style="text-align: right;">20,000</td> </tr> <tr> <td>xii. Cheque received from M/S master bakery dishonoured</td> <td></td> </tr> </table>		Rs.	i. Cash in hand	50,000	ii. Bank overdraft	10,000	iii. Paid rent	15,000	iv. Cash deposited into bank	20,000	v. Sold goods to M/S max international	75,000	vi. Received a cheque from M/s master bakery	50,000	vii. Deposited the cheque received from M/S master bakery		viii. Invested further capital in cash	40,000	ix. Drew from bank for personal use	10,000	x. Bank charges as per pass book	500	xi. Received from ram in cash against sale of goods	20,000	xii. Cheque received from M/S master bakery dishonoured		6m
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11	<p>Prepare a BRS as on 31st dec 2017:</p> <ol style="list-style-type: none"> The payment of cheque for RS. 5,500 was recorded twice in the pass book. Cheque amounting to RS.4,800 has been sent to bank for collection on 30th dec 2017 ,but out of these only RS.800 has been credited in the pass book. A cheque of RS. 2,000 has been debited in the bank column of the cash book but it was not sent to bank at all. Bank has collected RS.2,000 directly in respect of interest on investment but has been omitted to be recorded in the cash book. RS.50 in respect of bank charges entered in the pass book but not in the cash book. 	6m																										
12	<p>A sold goods to the value of RS. 24,000 to B taking a bill at three months dated 1st july 2007.On 4th August A, discounted the bill@ 5%P.A. with his banker.At the maturity the bill was returned by the bankers dishonoured with expenses of noting charges</p>	6M																										

were RS.20. B accepted another bill at 6 months for the amount due with interest at 10% P.A. **Make the journal enteries in the books of A**

13 From the following trail balance of M/S Master & Sons as on 31st dec 2017.Prepare trading and profit and loss account and balance sheet:

8M

NAME OF ACCOUNTS	AMOUNT DR.(RS)	AMOUNT CR.(RS)
Drawing and capital	18,000	80,000
Purchases and sales	82,600	1,55,000
Stock(1.1.2017)	42,000	-----
Return outward	-----	1,600
Freight	1,200	-----
Wages	4,000	-----
Power	6,000	-----
Machinery	50,000	-----
Furniture	14,000	-----
Rent	22,000	-----
Salary	15,000	-----
Insurance	3,600	-----
8% bank loan	-----	25,000
Debtors	22,600	-----
Creditors	-----	18,900
Cash in hand	1,500	-----
Bad debts recovered	-----	2,000
	-----	-----
	2,82,500	2,82,500
	-----	-----

Adjustments:-

- i. Closing stock RS.64,000.
- ii. Bad debts RS. 600 and provision for bad and doubtfull debts to be 5% on debtors.
- iii. Rent is paid for 11 months.
- iv. Loan from bank was taken on 1st july 2007.
- v. Provide depreciation on machinery @ 10% P.A.

OR

Damodar started business on April 1,2017 with a capital of RS. 3,00,000.The following trail balance was drawn up from his book at the end of the year:

PARTICULARS	AMOUNT(RS.)	PARTICULARS	AMOUNT(RS.)
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Drawings	45,000	Capital	4,00,000
Plant & fixtures	80,000	Sales	16,00,000
Purchases	11,60,000	Creditors	1,20,000
Carriage inward	20,000	Bills payable	90,000
Wages	80,000	Discount recieved	1,000
Return inward	40,000		
Salaries	1,00,000		
Printing	8,000		
Advertisement	12,000		
Trade charges	6,000		
Rent	14,000		
Debtors	2,50,000		
Bills receivable	51,000		
Investment	1,50,000		
Bad dents	5,000		
Cash in hand	1,60,000		
Cash in hand	30,000		
	-----		-----
	22,11,000		22,11,000

The value of the stock as at 31st march 2018 was RS. 2,60,000. You are required to prepare his trading & profit & loss account for the year ending 31st march, 2018 and a balance sheet as on that date after taking the following facts into accounts:-

- i. Plant & fixtures are to be depreciated by 10%.
- ii. Accrued interest on investment amounted to RS. 7,500.
- iii. A provision for doubtful debts is to be created for RS.5,000 and provision for discount on traders to be created at 5%.
- iv. Managers commission to be charged at 25% on the profits after charging such commission.

Economics

Class- 11th Commerce

1. Project on anyone of the following
 - (i) Poverty- a vicious circle in India
 - (ii) Demonetization – a boom to Indian Economy
 - (iii) Cashless Transaction in Indian context
 - (iv) Educated unemployment- a peculiar problem in India
 - (v) Indian Agriculture- a gamble of Monsoon
2. Solve one- one numerical from chapters 8 to 12.

XII Sc & Comm.

PHYSICS

Date	Chapter/Unit	Topic to be covered
23.12.2018	Electronic Devices	Band diagram of Conductor, Semiconductor and Insulator, N-type & P-type semiconductor, PN junction formation, PN junction as Half wave and Full wave rectifier. Why photodiode is always reverse biased, Zener diode as voltage regulator, Characteristics curves of NPN transistor,
24.12.2018	Communication Systems & Electromagnetic Waves	Terminology – Attenuation, Repeater, Range etc, Block diagram of generalized communication system, AM modulator, Transmitter, Receiver, Detector, Necessity of modulation, Modulation index – formula and its importance Displacement Current, Conversion of E into B and vice-versa, Spectrum order in increasing/decreasing of wavelength/frequency. Application of different em waves
25.12.2018	Dual Nature of Matter & Logic Gates	Four graphs, Einstein's Photo electric equation, De-broglie's formula for wavelength and electron wavelength, Numericals NOT, AND, OR, NAND, NOR Gate Truth tables and wave forms, NAND & NOR as universal gate
26.12.2018	Ray Optics & Wave Optics	Refraction through spherical surfaces, Lens maker formula, Ray diagram of compound microscope and telescope with magnification formula, Advantages of reflecting telescope over refracting telescope, Power of lens, Refraction through prism, Young's double slit expt., Brewster's law, Malus' Law,
27.12.2018	Electric charges and fields	Superposition Principle, Field due to a dipole at axial and equatorial point, Torque on a dipole in a uniform field, Field lines due to isolated +ve & -ve Charges, Dipole & Double +ve charges.
28.12.2018	Electric Potential and Capacitance	Capacitance of a capacitor without and with dielectrics, Energy stored in a capacitor, Equipotential surfaces due to isolated +ve & -ve Charges, Dipole & Double +ve charges. Capacitors in series and parallel, Gauss' law and applications to linear charge and plane sheet of charge, Different graphs
29.12.2018	Current Electricity	Ohms law, Drift velocity, Colour code of resistors, Temperature dependence of resistivity, Kirchoff's rule, Wheatstone's bridge,
30.12.2018	Current Electricity	Potentiometer-Emf and Internal resistance, Resistors in series and parallel, Emfs in series and parallel, Numericals
31.12.2018	Electromagnetic Induction/Alternating Current	Faraday's Law and Lenz's law, Self-inductance in a long air cored solenoid, Mutual inductance of a co axial solenoid, Direction of induced emf in different loops, Motional emf OR AC connected with resistor, Inductor and Capacitor separately, Phasor diagram solution of R-L-C with series in AC. Power consumed in Inductive/Capacitive circuit is zero. Resonance condition and Quality factor
01.01.2019	Atoms & Nuclei	Binding energy curve & explanation of fusion and fission, α, β, γ decay, Decay relation numericals, Nuclear density, Radioactivity, POST TEST

+SOLVING THREE SETS OF QUESTION PAPERS-ALL INDIA 2018, 2017, 2016

Math(Class XII)

1. Solve the sample paper 6,7,& 8 from Support Material already provided by KVS RO BBSR.

विषय-हिन्दी(Class XII)

- .1जनसंचार के प्रमुख माध्यम कौनकौन से है-? विस्तार से लिखिए।
- .2जनसंचार की विशेषताएँ तथा इनके प्रमुख कार्य कौनकौन से हैं-? बताइये।
- .3पत्रकारिता के विविध आयाम कौनकौन से हैं-? लिखिए।
- .4पत्रकारिता के प्रमुख प्रकार कौनकौन से हैं-? बताइए।
- सारांश सहित व्याख्या पढ़ना। पुस्तक के सभी पद्य पाठों की 'आरोह' .5
- पुस्तक के गद्य भाग तथा पद्य भाग के सभी पाठों के प्रश्नोत्तर याद कर 'वितान' तथा 'आरोह' .6।
7. हिन्दी सहायक सामग्री के प्रतिदर्श प्रश्न-पत्र 1,2,3, को हल करना।

Chemistry

1. Solve question number 01-14 of Set 5.
2. Solve question number 25, 26, 27 of set 7
3. Solve 2017-18 Board exam question paper

English

Solve any 3 sample papers from study material provided by RO BBSR.

Subject:-CS

1. Name two switching circuits and explain any one.
2. Describe the following
 - a. Hub
 - b. Router
 - c. Switch
 - d. Gateway
3. Differentiate between the Bus Topology and Star Topology.

4. Write the short note on the following.
 - a. TCP/IP
 - b. FTP
 - c. PPP
 - d. Telnet
5. What are the major differences between LAN and WAN?\
6. Obtain a simplified form for the following Boolean Expression using Karnaugh map.
 $F(u,v,w,z)=\sum(0,3,4,5,7,11,13,15)$
7. What is DML in SQL?
8. Differentiate between SQL commands Delete and Truncate.
9. Write SQL query for the following **Lab** Table

Lab

No	ItemName	CostPerItem	Quantity	DateOfPurchase	Warranty	Operational
1	Computer	60000	9	21/05/16	2	7
2	Printer	15000	3	21/05/17	4	2
3	Scanner	18000	1	29/08/18	3	1
4	Camera	21000	2	13/06/16	1	2
5	Hub	8000	1	31/10/18	2	1
5	UPS	5000	5	21/01/16	1	4
7	Plotter	25000	2	11/01/18	2	2

- f. To select the ItemName purchased after 31/10/17.
- g. To list the ItemName in ascending order of the date of purchase where quantity is more than 3.
- h. To count the number of items whose cost is more than 10000?
- i. To insert a new record in the Lab table with the following data
 8,"VCR",10000,2,{02/02/18},1,2
- j. Give the output of the following SQL commands
 - a. Select min(Distinct quantity) from LAB.
 - b. Select min(Warranty) from lab where quantity=2.
 - c. Select sum(CostPerItem) from Lab where quantity>2.
 - d. Select Avg(CostPerItem) from Lab where DateOfPurchase<{01/01/19}.

10. Write a function Bubble sort to sort the passed array of 10 integers in ascending order using Bubble sort.

11. Write MySql query for the following

No	Cname	Model	Connection	Activation_Date	Validity(in Days)	Amount
1	Rita	Nokia	Airtel	04/06/14	365	3300

2	Ritesh	Nokia	BSNL	12/02/15	60	575
3	Reena	Samsung	BSNL	14/05/14	365	890
4	Meetali	Nokia	JIO	14/09/14	180	900
5	Rahul	Samsung	Idea	16/10/14	180	600
6	Anupam	LG	BSNL	18/01/15	60	890
7	Sahil	Nokia	JIO	10/12/14	180	300
8	Deepak	Nokia	JIO	08/03/15	30	800
9	Karan	LG	Idea	30/01/15	90	560
10	Jayant	Sony	JIO	02/02/15	60	800

- e. To display Cname and Amount of Customers having "Samsung" model and BSNL connection arrange in descending order of amount.
 - f. To display different types of connection available.
 - g. To display sum of validity of each type of connection grouping.
 - h. Write the output of the following
 - v. Select count (distinct model) from prepaid.
 - vi. Select max(Activation) ,min(Activation) from prepaid.
 - vii. Select Avg(Validity) from Prepaid where Model="LG".
 - viii. Select max(Amount) from prepaid where connection="Idea".
12. What do you understand by Function overloading or Functional polymorphism? Explain with suitable example.
13. Define Macro with suitable example.
14. Rewrite the following program after removing any syntactical errors. Underline each correction made.

```
#include<iostream.h>
void main( )
{
  int A[10];
  A=[3,2,5,4,7,9,10];
  for( p = 0; p<=6; p++)
  {
    if(A[p]%2=0)
      int S = S+A[p];
  }
  cout<<S;
}
```

15.

Observe the following program very carefully and write the name of those header file(s), which are essentially needed to compile and execute the following program successfully:

```
void main()
```

```

{
char text[20], newText[20];

gets(text);

strcpy(newText,text);

for(int i=0;i<strlen(text);i++)

if(text[i]=='A') text[i]=text[i]+2;

puts(text);

}

```

Class:-XII Subject:-IP

1. What is the difference between WAN and MAN?
2. What is the purpose of Repeater in context of Networking?
3. Differentiate between Optical and Coaxial fiber cable.
4. What is a firewall?
5. Write MySql query for the following

No	Cname	Model	Connection	Activation_Date	Validity(in Days)	Amount
1	Rita	Nokia	Airtel	04/06/14	365	3300
2	Ritesh	Nokia	BSNL	12/02/15	60	575
3	Reena	Samsung	BSNL	14/05/14	365	890
4	Meetali	Nokia	JIO	14/09/14	180	900
5	Rahul	Samsung	Idea	16/10/14	180	600
6	Anupam	LG	BSNL	18/01/15	60	890
7	Sahil	Nokia	JIO	10/12/14	180	300
8	Deepak	Nokia	JIO	08/03/15	30	800
9	Karan	LG	Idea	30/01/15	90	560
10	Jayant	Sony	JIO	02/02/15	60	800

- i. To display Cname and Amount of Customers having "Samsung" model and BSNL connection arrange in descending order of amount.
- j. To display different types of connection available.
- k. To display sum of validity of each type of connection grouping.
- l. Write the output of the following
 - ix. Select count (distinct model) from prepaid.
 - x. Select max (Activation) ,min(Activation) from prepaid.
 - xi. Select Avg(Validity) from Prepaid where Model="LG".
 - xii. Select max (Amount) from prepaid where connection="Idea".
6. Rewrite the following program code using if statement

```
int c;
```



```

Switch(c)
{
    Case 0: Amount=Bill;
    Break;
    Case 1: Amount=0.9*Bill
    Break;
    Case 2:
    Amount=0.8*Bill;
    Break;
    Default:
    Amount=Bill
}

```

7. What social impact does e-Governance have on society?
8. Write two important Features of e-Business Give two most commonly used e-Business sites.
9. What is the use of <TABLE> tag in HTML?
10. What will be displayed in JTextArea1 after the following code is executed:

```

int i;
for(i=10;i<50;i=i+30)
{
    i=i+15; JTextArea1.append(""+i);
}
JTextArea1.append("\n"+i);

```

11. Write SQL query for the following

No	ItemName	CostPerItem	Quantity	DateOfPurchase	Warranty	Operational
1	Computer	60000	9	21/05/16	2	7
2	Printer	15000	3	21/05/17	4	2
3	Scanner	18000	1	29/08/18	3	1
4	Camera	21000	2	13/06/16	1	2
5	Hub	8000	1	31/10/18	2	1
5	UPS	5000	5	21/01/16	1	4
7	Plotter	25000	2	11/01/18	2	2

- k. To select the ItemName purchased after 31/10/17.
- l. To list the ItemName in ascending order of the date of purchase where quantity is more than 3.
- m. To count the number of items whose cost is more than 10000?
- n. To insert a new record in the Lab table with the following data
8,"VCR", 10000, 2, {02/02/18}, 1, 2
- o. Give the output of the following SQL commands
 - a. Select min(Distinct quantity) from LAB.
 - b. Select min(Warranty) from lab where quantity=2.
 - c. Select sum(CostPerItem) from Lab where quantity>2.
 - d. Select Avg(CostPerItem) from Lab where DateOfPurchase<{01/01/19}.

12. Mr. Sahil, a programmer in a VISA processing company, has written the following code:

```
int ch=Integer.parseInt(jTextField1.getText());
switch(ch)
{
case 1:
jTextField2.setText("Short Term Single Entry Visa Granted");
case 2:
jTextField2.setText("Short Term Multiple Entry Visa Granted");
case 3:
jTextField2.setText("Long Term Single Entry Visa Granted");
case 4:
jTextField2.setText("Long Term Multiple Entry Visa Granted");
default:

jTextField2.setText("Invalid Entry");

}
```

No matter what value is being entered in the text field jTextField1, this program always give a message "Invalid Entry". Help Mr. Sahil in identifying the problem and its reason. Also suggest him a suitable correction in the code.

13. Write the value of variable 'c' after execution of the following code :

```
int d=10;
if(d++%2==0)
c=5+d- -;
else c=7+ ++d;
```

14. What is the importance of group function in MySQL?

15. What are the facilities provided by the SERVER in a network environment?

ECONOMICS

Class-12th commerce

1. Project as per CBSE guidelines
2. Solve last 3 years boards papers

BUSINESS STUDIES-SET-I

General instruction:

- Please check that this question paper contains 2 printed pages.
- Please check that this question paper contains 25 questions.
- Answer to questions carrying 1 mark may be of one word to one sentence.
- Answer to questions carrying 3 marks may be of 50 to 75 words.
- Answer to questions carrying 4-5 marks may be of 150 words.
- Answer to questions carrying 6 marks may be of 200 words.
- Attempt all parts of a question together.

1. Name the type of plan which is time bound and linked with measureable outcome.
(1)
2. Identify the nature of management when it is practiced as personal application of existing knowledge to achieve desired results.
(1)
3. What is the purpose of fatigue study?
(1)
4. KBC Pvt. Ltd is a soap manufacturing company which is running successfully. Now they plan to expand their business activities by adding more line of products such as shampoo, perfumes, face wash etc. which type of organisation structure would you recommend for KBC Pvt. Ltd after expansion? (1)
5. Why the requirement of fixed capital for a trading concern is different from that of manufacturing concern.
(1)
6. "Bending the customers according to the product" and "Developing the product according to the customers' needs" are two important concepts of marketing management. Identify the concepts.(1)
7. Name any two non-governmental organizations which are working in India to protect and promote the consumers interest.
(1)
8. 'DigitalIndia is an inspiring thought of our esteemed Prime Minister which leads India towards a paperless society, transparent dealings, having zero corruption. State the dimensions of business environment which is highlighted here?
(1)
9. Packaging has acquired a great significance in the marketing of goods. In the light of the above statement state any three functions of packaging.
(3)
10. In every academic year, The Regional Director of our Zone adopts different methods for teachers' orientation and tries to bring changes keeping in mind the needs of students and changing environment of education. Identify the features of management highlighted here and also explain the other two features of management.
(3)
11. Amit and Mikki are working in the same organization but in different departments. One day at lunch time Mikki informed Amit that due to computerization many people are going to be

retrenched soon from the organisation. Name the type of communication and state any two limitations of such communication.

(3)

12. What do you mean by delegation? State any two points that highlight the importance of delegation in an organisation.

(3)

13. SEBI undertakes steps to educate investors so that they are able to evaluate the securities of various companies and select the most profitable securities. It is an example of which type of function of SEBI? Explain any two other functions of such category.

(3)

14. Which principle of management is violated if a subordinate is asked to receive orders from two superiors? State any two adverse effects that may take place due to this violation and one positive impact of its adoption.

(4)

15. "The govt. policy of liberalization, privatization and globalization on one hand has made significance impact on the working of enterprise, but on the other hand created various challenges for business and industries," discuss any four such challenges.

(4)

16. Define leadership. Explain any two types of leadership style.

(4)

17. Like a traffic signal, control system guides and directs various departments of an organisation. Do you agree with this statement? Give reasons in support of your answer.

(4)

18. Distinguish between capital market and money market.

(4)

19. Ashok is engaged in selling spices, claim about purity in its advertisement. But after examination in laboratory the spices were found adulterated. As a result of which the consumers' health is badly affected.

a. What are the remedies are available to the consumer?

b. Which values are being violated here?

(4)

20. Mayankkhanna is working with Gupta security services limited. He is also recruiting security guards for the company. The company provides security services at Cuttack and Bhubaneswar at short notice to various companies. The guards are recruited on temporary basis. The guards provided by the company are known for their honesty and punctuality. Mayankkhanna is well known in his village for providing employment to unskilled people.

a. Name the source of recruitment used by Gupta Security Services Ltd.

b. State two disadvantages of this source of recruitment.

c. Identify the needs of "Security Guards" which is being fulfilled by the company as per Maslow's Need Hierarchy Theory.

d. State any two values communicated to the society in above context.

(5)

21. Supervision is necessary in an organisation. Give any five reasons in support of your answer.

(5)

22. Identifying and dividing the work is the first step in the process of the function of management. Name the function and explain its other steps.
(5)
23. Explain any four principles of scientific management.
(6)
24. You are the finance manager of a company. The Board of directors has asked you to determine the working capital requirement of the company. State the factors that will be considered by you while deciding the same.
(6)
25. Explain the following functions of marketing.
- Gathering and analyzing market information.
 - Market planning
 - Product designing and development
 - Customer support services
- (6)

CLASS: XII

ACCOUNTANCY

TIME : 3:00 HRS

MM : 80

General Instructions:

- 15 Minutes extra are allotted for reading time
 - All questions are compulsory.
 - All parts of the questions should be attempted at one place.
 - Show your workings clearly wherever necessary.
-

PART – A		
PARTNERSHIP ACCOUNTS AND COMPANY ACCOUNTS MM: 60		
1.	A, B and C are partners sharing in the ratio of 3:2:1. From 1-1-2018 they decided to share the profits in the ratio of 1:3:2. The Balance sheet shows Profit & Loss A/c of RS. 30000. The partners decide not to show the Profit & Loss A/c in the books of the reconstituted firm at its full value. Pass necessary journal entry.	1
2.	Spend twice the time than Partner Y in the Firm. He claims for a salary of Rs. 5,000 and Commission of Rs. 1,000 per month. Do you agree? Give reason.	1

3.	<p>Suraj and Bheem are partners sharing profits and losses in the ratio of 5:2. They admit Chand for 1/6 share in the profits . on the date of admission their balance sheet showed the following balances: Workmen Compensation Reserve : 1000000 Claim for Workmen Compensation Account : 300000 Pass necessary journal entry to give effect to the above.</p>	1
4.	<p>Pari, Uma and Reet are partners in a firm sharing profits in the ratio of 3:3:4. They close their books on 31st March every year. Pari died on 31st July 2017 and his share of profits upto the date of death is to be calculated on the basis of Sales. Sales amounted to be Rs. 4,00,000 and Profit Rs. 1,00,000 for the year ended 31st March,2017.Sales amounted to be Rs. 1,50,000 from 1st April to 30th June,2017. Calculate Pari's share of profit and pass necessary entry.</p>	1
5	<p>What is the nature of Receipts and Payments Account?</p>	1
6	<p>ABZ Ltd forfeited 100 equity shares of Rs. 10 each for the non payment of the first call of Rs. 5. The final call of Rs. 2 was yet to be made. Calculate the amount of Share Forfeiture Account.</p>	1
7	<p>S, T and U were partners in a firm sharing in the ratio of 3:2:1. They admitted Vijay as a new partner for 1/7 share in profits. The new profit sharing ratios will 2:3:1:1 respectively. Vijay brought Rs. 45000 as his share of goodwill and Rs. 300000 as his capital. Pass necessary journal entries.</p>	3
8	<p>Kali Ltd has an authorized capital of Rs 5000000 divided into equity shares of Rs. 100 each. The company invited applications for 4500 shares. Applications for 4000 shares were received. All calls were made and duly received except the final call of Rs. 20 per share on 100 shares. 50 of these shares were forfeited. Show how share capital will appear in the Balance Sheet of the company as per Schedule VI, Part I of the Companies Act 2013.</p>	3
9	<p>Show the following information in the balance sheet of Cosmos Club as on 31st March,2017:</p>	3

RECIPTS AND PAYMENTS ACCOUNT

For the year ended 31st March, 2017

Receipts	Amount	Payments	Amount
To Interest Received	4000	By Sports prize Awarded	25000
To Donations for Sports Fund	50000	By Expenses on Sports Events	26000
To Interest received on Sports Fund Investment	12000		

Additional Information:

Sports Fund Rs. 1,20,000

10% Sports Fund Investment (face value Rs. 1,50,000) Rs.1,20,000

10 Aman, Dharm and Jeet are partners sharing profits in the ratio of 3:2:1. The firm has been in existence for many years. Now the partners decide to share profit in the ratio of 2:2:1. They have also decided that the change shall be carried out with the retrospective effect from 2013. The profit and losses during the last few years have been 2013 : Rs.16,000, 2014 : Rs.12,000, 2015: Rs.14,000. Show the adjustment of profit for the last three years by means of a single adjustment entry with working notes. 3

11 Seven Steel Ltd, 1-4-2017, issued 100000, 10% Debentures of Rs. 100 each at a discount of 10% redeemable at a premium of 20% in 4 equal yearly instalment starting from 1-4-2018. 4
 Pass necessary journal entry for:
 a) Issue of debenture
 b) Amount of loss on issue of debenture to be written off each year and draw up the Loss on Issue of Debenture Account

12 A, B and C are partners in a firm sharing profits in the ratio of 3 : 2: 1. Their balance sheet as at 31.12.2004 was as under: 4

Liabilities	Amount	Assets	Amount
Creditors General Reserve	46,000	Cash in hand	18,000
40,00	12,000	Debtors	25,000
Capitals : A	0	Less: Provision	3,000
40,00			22,000
B	0	Stock	18,000
C	30,00	Furniture	30,000
	1,10,00		

<u>0</u>	0	Machinery Goodwill	68,000
	1,68,000		12,000
	0		1,68,000

B retires on 1.1.2005 on the following terms:

- (a) Provision for doubtful debts will be raised by Rs.1,000.
- (b) Stock will be depreciated by 10% and Furniture by 5%.
- (c) There is an outstanding claim for damages of Rs.1,100 and it is to be provided for in the books.
- (d) Creditors will be written back by Rs.6,000.
- (e) Goodwill of the firm is valued at Rs.24,000, which is not to be shown in the books of the new firm.
- (f) B is paid in full with the cash brought in by A and C in such a manner that their capitals are in proportion to their profit sharing ratio 3:2.

Prepare Revaluation A/c, Partners Capital A/cs and Balance Sheet.

- 13 Anuj and Bheem are partners sharing in the ratio of 3:2. Interest on capital is allowed @10% p.a. and charged on drawings at the same rate. Fill up the missing figures in the following accounts:

PROFIT AND LOSS APPROPRIATION ACCOUNT

For the year ended 31-3-2017

PARTICULARS		AMOUNT	PARTICULARS	AMOUNT
TO Salary to Bheem		*****	By P/L A/c	*****
To interest on capital			By Int On Drawings	
Anuj	*****		Anuj	2500
Bheem	*****	*****	Bheem	1500
To Prime Minister's relief Fund		20000		
To Profit				
Anuj	*****			
Bheem	*****	120000		
		*****		304000

PARTNERS' CAPITAL ACCOUNTS

Particulars	Anuj	Bheem	Particulars	Anuj	Bheem
To Bal c/d	*****	*****	By Bal c/d	*****	*****

PARTNERS' CURRENT ACCOUNT

Particulars	Anuj	Bheem	Particulars	Anuj	Bheem
To	*****	*****	BY Bal b/d	16000	22000

To	*****	*****	By		*****
To	*****	*****	By interest on Capital	80000	60000
			By	*****	*****
	*****	*****		*****	*****

14 A and B share profits and losses in the ratio of 5:2. They have decided to dissolve the firm. Assets and external liabilities have been transferred to Realisation A/c. Pass the journal entries to effect the following:

- Building realized at Rs. 2000 is paid off.
- A was to bear all expenses of realisation for which he is given a commission of Rs. 10400. Actual expenses amounted to Rs 1750.
- Profit and Loss A/c appearing on the Asset side in the books at Rs. 28,000.
- Furniture worth Rs. 1600 was taken by B at Rs. 1200
- An unrecorded assets realized at Rs. 7000
- There was an outstanding bill for Rs. 2000, which was paid off.

15 From the following particulars relating to the Rama Krishna Mission charity prepare Income and expenditure account for the year ended 31st March, 2017 and Sheet on that date.

Receipts and Payments Account
For the ended 31st March, 2017

Receipts	Amount	Payments	Amount
To cash in hand	7,130	By medicines	30,500
To Subscription	47,996	By doctors honorarium	9,000
To donations	14,500	By salaries	27,500
To int on investments @7%	7,000	By petty expenses	46
To proceeds from charity show	10,450	By expenses on charity show	15,000
		By cash in hand	75
	87,076		87,076

Additional information

information	1-4-2016	31-3-2017
Subscription due	240	280
Subscription received in advance	64	100
Stock of medicines	8,810	9,740
Estimated value of equipment	21,200	31,600
Building(cost less depreciation)	40,000	38,000

16 X and Y were partners in a firm sharing profits in 3 : 1 ratio. They admitted

Z as a new partner for $\frac{1}{4}$ th share in the profits. Z was to bring Rs.20,000 as his capital and the capitals of X and y were to be adjusted on the basis of Z's capital in the profit sharing ratio. The balance sheet of X and Y on 31.3.2006 was as follows:

Liabilities	Amount	Assets	Amount
Sundry Creditors	18,000	Cash	5,000
Bills Payable	10,000	Debtors	17,000
General Reserve	12,000	Stock	12,000
Capitals : X	25,000	Machinery	21,000
Y	10,000	Building	20,000
	75,000		75,000

Other terms of agreement on Z's admission were as follows:

- (i) Z will bring Rs.6,000 for his share of goodwill.
- (ii) Building will be valued at Rs.25,000 and Machinery at Rs.19,000.
- (iii) A Provision at 5% on debtors will be created for bad debts.
- (iv) Capital accounts of X and y were adjusted by opening current accounts.

Prepare Revaluation A/c, Partners Capital A/cs and Balance Sheet of new firm.

OR

X, Y and Z were partners in a firm whose Balance sheet as on 31-03-2015 was as under: **8**

LIABILITIES	AMOUNT	ASSETS	AMOUNT
Creditors	20000	Cash	75000
General reserve	30000	Debtors	95000
Capitals		Stock	30000
X	70000	Plant and machinery	60000
Y	70000		
Z	70000		
	260000		260000

Y died on 12-06-2015. According to the partnership deed, executors of the deceased partners are entitled to:

- i) Balance of Partner's capital account.
- ii) Interest on capital @ 5% p.a.
- iii) Share of goodwill calculated on the basis of twice the average profits of past three years and
- iv) Share of profit from the last balance sheet date till the date of death on the basis of twice the average of three completed years of profit before death.
- v) In this connection, it was decided to make the following adjustments:
 - a) To reduce stock to Rs. 28000
 - b) To provide for doubtful debts @1% on debtors.

	<p>c) A long dispute with creditors was settled and the firm had to pay Rs. 9050. In anticipation Rs. 6000 have already been included in the sundry creditors by the firm.</p> <p>Profits for the years ended on 31st March 2013, 2014 and 2015 were Rs. 80000, Rs. 90000 and Rs. 100000. Pass necessary journal entries and prepare Y's Capital account to be rendered to his executors</p>	
17	<p>Anand Ltd. Company issued for public subscription 100000 shares of Rs. 10 each at a premium of Rs. 2 per share payable as under:</p> <p>On application Rs. 3 per share On allotment Rs 4 per share On first call Rs.2 per share and On final call Balance</p> <p>Applications were received for 150000 shares. Allotment was made on pro rata basis to all applicants and money over paid on application was utilized towards sums due on allotment. 'Shivam' who applied for 1200 shares failed to pay the allotment and first call money. Vinod who applied for 2400 shares failed to pay the first call money. The shares were forfeited and 2000 of these shares were reissued, whole of Shivam's share being included for Rs. 19400 fully paid. Final call was not made.</p> <p>Pass necessary journal entries.</p>	8
OR		
	<p>Raj Pharma Limited issued prospectus to invite applications for 50000 equity shares of Rs. 20 each, at a premium of Rs. 4, payable as follows:</p> <p>On application Rs. 8 (including Re. 2 Premium) An allotment Rs. 10 (including Re. 2 Premium) Balance on call.</p> <p>Applications for 75000 shares were received and allotment was made on pro rata basis.</p> <p>'A' who was allotted 200 shares failed to pay allotment money and call money. 'B' applied for 600 shares failed to pay call money. These shares were forfeited and reissued @ Rs. 16 per share. Pass Journal entries.</p>	8
PART B		
ANALYSIS OF FINANCIAL STATEMENT MM:20		
18	<p>State whether cash withdrawn from bank will result in inflow, outflow or no flow of cash while preparing Cash Flow Statement.</p>	1
19	<p>Under which type of activity will you classify 'Repayment of Bank Overdraft' while preparing the Cash Flow Statement.</p>	1

	.																																											
20	Under what heads and subheads will you classify the following items in the Balance Sheet of a limited company as per Revised Schedule VI: (a) Office equipment (b) Prepaid expenses (c) Payment for gratuity (d) Government securities (e) Outstanding expenses (f) work in progress (g) Loose tools (h) calls in advance	4																																										
21	From the following information calculate: i) Inventory turnover ratio ii) Working capital turnover ratio iii) Gross profit ratio	4																																										
	<table border="1"> <tr> <td>Opening inventory</td> <td>50000</td> </tr> <tr> <td>Purchase of stock in trade</td> <td>150000</td> </tr> <tr> <td>Wages</td> <td>20000</td> </tr> <tr> <td>Closing inventory</td> <td>40000</td> </tr> <tr> <td>Current liability</td> <td>30000</td> </tr> <tr> <td>Liquid assets</td> <td>50000</td> </tr> <tr> <td>Gross profit is 1/7th of revenue from operation</td> <td></td> </tr> </table>	Opening inventory	50000	Purchase of stock in trade	150000	Wages	20000	Closing inventory	40000	Current liability	30000	Liquid assets	50000	Gross profit is 1/7 th of revenue from operation		1 + 2 + 1																												
Opening inventory	50000																																											
Purchase of stock in trade	150000																																											
Wages	20000																																											
Closing inventory	40000																																											
Current liability	30000																																											
Liquid assets	50000																																											
Gross profit is 1/7 th of revenue from operation																																												
22	Prepare the Comparative Income Statement from the following information :	4																																										
	<table border="1"> <thead> <tr> <th>Particulars</th> <th>March 31, 2014</th> <th>March 31, 2015</th> </tr> </thead> <tbody> <tr> <td>Net Sales</td> <td>10,00,000</td> <td>16,00,000</td> </tr> <tr> <td>Cost of Goods Sold</td> <td>6,00,000</td> <td>10,00,000</td> </tr> <tr> <td>Direct expenses</td> <td>80,000</td> <td>40,000</td> </tr> <tr> <td>Operating Expenses</td> <td>60,000</td> <td>80000</td> </tr> <tr> <td>Income Tax Rate</td> <td>40%</td> <td>50%</td> </tr> </tbody> </table>	Particulars	March 31, 2014	March 31, 2015	Net Sales	10,00,000	16,00,000	Cost of Goods Sold	6,00,000	10,00,000	Direct expenses	80,000	40,000	Operating Expenses	60,000	80000	Income Tax Rate	40%	50%																									
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	Trade Receivable	5,00,000	7,00,000
	Cash and Cash Equivalents	2,00,000	2,00,000
	Total	25,00,000	20,00,000

Additional Information's:

1. Depreciation on Plant and Machinery is Rs. 50,000
2. Debentures are issued on 1-04-2016

Prepare the Cash Flow Statement s per Accounting Standard-3