GLOBAL COLLEGE OF MANAGEMENT

Pre-Board Exam-2069

Grade: XII Subject: Accountancy F.M.:100
Time: 3:00 Hrs. P.M.:40

Set A

1. Write in brief any three advantages of public company. [3]
2. What do you mean by Articles of association? [2]
3. Write in short any three objectives of financial statement. [3]
4. Write about current assets and fixed assets. [2]
5. Explain in short any three functions of cost accounting. [3]
6. Write about perpetual inventory system. [2]
7. Classify overhead on the basis of nature. [3]
8. Write in briefly any two advantages of time wages system. [2]
9. A Ltd. company forfeited 500 shares of Rs. 100 each issued at 5% discount for the non-payment of Rs. 50 on calls money. These shares were re-issued @ Rs. 90 as fully paid.
   Required: Journal entries for:
   i) Forfeiture ii) Re-issue iii) Transfer [1+1+1=3]
10. Abhinav co. Ltd. invited application for 5,000 equity shares of Rs. 100 each at a premium of Rs. 5 each, payable as follows:

On application	Rs. 30
On allotment	Rs. 40 (excluding premium)
On calls	Rs. 30

Applications were received for 7,000 shares and allotment was made in the following manner:

To applicants for 2,000 shares - full
To applicants for 4,000 shares - 3,000 shares
To applicants for 1,000 shares - Nil

The excess application money being retained to be used towards the money due on allotment.

All money was duly received except Rajesh who was allotted 100 shares failed to pay calls money and his share were forfeiture.

Required : Journal entries for:
i) Allotment ii) First & final call
iii) Forfeiture [2+2+2=6]

11. A. Company Limited took over the following assets and liabilities of B. Company Limited at an agreed purchase price of Rs.5,40,000 :

Machinery	Rs.4,00,000
Furniture	Rs.1,00,000
Stock	Rs.70,000
Sundry Creditors	Rs. 30,000

The company paid the purchase consideration by issuing shares of Rs. 100 each at 10% discount.

Required : Journal entries for purchase of assets. [2+1=3]

12. Nepal Co. Ltd. issued 5,000, 7% debentures of Rs. 100 each at 10% discount and redeemable at 5% premium.

Required: Entry for issue and redemption of debentures. [2+2=4]

13. The Trial balance of X co. Ltd. as on 31st Chaitra is given below:

Debit Items	Rs	Credit Items	Rs.
Opening Stock	40,000	Capital	1,00,000
Wages	10,000	Sales	3,25,000
Purchases	2,29,000	P/ L app. account	75,000
Discount	1,000		
Cash at Bank	4,000		
Bad Debts	1,000		
Plant & Machinery	1,80,000		
Debtors	20,000		
Salaries	15,000		
	5,00,000		5,00,000

Adjustments:
(a) Depreciate plant & machinery by 10%.
(b) Write of bad debts @ 5% of debtors.
(c) Proposed dividend @ of 10%.

Required:
(i) Adjustment Entries. (ii) 12 column work sheet. [2+6=8]

14. The following is the Trial balance extracted on 31st.Dec. 2012:

Particulars	Rs.	Particulars	Rs.
Opening Stock	3,70,000	18% Bank Loan	1,00,000
Purchases	14,30,000	Sundry Creditors	1,20,000
Return Inward	25,000	P/ L App Account	40,000
Carriage Inward	40,000	Share Capital	8,00,000
Wages	2,20,000	Sales	23,42,000
Salaries	36,000	Return Outward	20,000
Director's fees	40,000		
Preliminary Expenses	12,000		
Calls in arrears	10,000		
Land and Building	3,20,000		
Plant and Machinery	3,00,000		
Sundry Debtors	2,20,000		
Cash at Bank	2,30,000		
Advance Tax paid	1,60,000		
Interest on Bank Loan	9,000		
	34,22,000		34,22,000

Adjustments :

1. Closing Stock valued at Rs. 2,50,000
2. Write off one-third of Preliminary Expenses
3. Depreciation on Plant and Machinery by @15% and Appreciate Building by @10%
4. Provision for income Tax @50%
5. The Directors have decided 15% dividend on paid up Capital
6. The Goods Costing Rs. 10,000 damaged in an accident.

Required:

i) Trading and Profit & Loss Account
ii) Profit & Loss Appropriation Account
iii) Balance Sheet. [3+4+1+4=12]

15. The Balance sheet of A.K. Co. Ltd as on 31st Chaitra, 2062 is as under:

Liabilities	Rs.	Assets	Rs.
Share capital @Rs.100	2,00,000	Fixed Assets	2,00,000
Retained earning	1,50,000	Investment	1,23,000
10% debenture	70,000	Sundry Debtors	1,00,000
Sundry creditors	30,000	Inventory	50,000
Bank Overdraft	20,000	Preliminary expenses	7,000
Outstanding expenses	10,000		
Total	**4,80,000**		**4,80,000**

Additional information:

(a) Debtors turnover ratio 10 times.
(b) Net profit Rs.1,00,000

Required:

(i) Sales amount (ii) Quick ratio
(iii) Debt-equity ratio (iv) Earning per share
(v) Return on shareholder's Equity [5]

16.

	OPENING (Rs.)	CLOSING (Rs.)
Goodwill	50,000	40,000
Account receivable	60,000	90,000
Inventory	1,80,000	2,50,000
Sundry debtors	80,000	1,25,000
Cash	40,000	30,000
Sundry creditors	10,000	60,000
Retained earning	75,000	1,30,000

Additional Information:

a) A part of fixed assets with a book value of Rs. 50,000 was sold for Rs. 45,000.
b) Depreciation on fixed assets Rs. 20,000.
c) Provision for dividend Rs. 15,000.

Required:

(i) Schedule of changes in working capital.
(ii) Funds from operation. [3+2=5]

17. The following is the position of current assets and current liabilities of x co. ltd.:

	Opening	**Closing**
Sundry debtors	Rs. 1,50,000	Rs.1,60,000
Stock	2,70,000	2,90,000
Accrued expenses	10,000	12,000
Prepaid expenses	6,000	8,000
Bills receivable	15,000	10,000
Sundry creditors	40,000	35,000
Bills payable	20,000	26,000
Cash balance	10,000	?

Additional information:

(a) Cash sales during the year Rs. 10,,00,000
(b) Cost of goods sold Rs. 8,00,000
(c) Operating expenses Rs.1,30,000
(d) Redemption of debentures Rs. 20,000
(e) Dividend paid Rs. 10,000
(f) Issue of shares in this year Rs. 50,000
(g) A part of machinery having book value Rs. 20,000 has been sold for Rs. 25,000

Required: Cash flow statement (Direct Method) [5+2+2+1=10]

18. The following particulars are given:
Normal usage of material 300 units per day
Maximum usage material 400 units per day
Re order quantity 4,500 units
Lead time 4-6 days
Required: Calculate maximum stock level [2]

19. The following are the store transactions of a certain materials during the month of Magh:
Magh 1: Opening stock 1,000 units @ Rs.5 per unit
Magh 5: Receipts from vendor 500 units @ Rs.6 per unit
Magh 12: Issued 1,200 units
Magh 18: Return from factory 20 units
Magh 22: Receipts from vendor 500 units @ Rs.7 per unit
Magh 25: Issued 400 units.
Magh 28: Stock verification and found shortage 10 units.
Required: Store ledger under LIFO method. [5]

20. The following particulars are given:
Wage rate per unit Rs.20.
Normal time per unit 30 minutes
Hariram worked 20 hrs.
Required: Wages of Hariram under Piece Rate System [2]

21. A manufacturing company supplies you the following information:

	Opening	**Closing**
Raw Material	Rs. 70,000	Rs. 90,000
Work-in-Progress	Rs. 25,000	Rs. 40,000
Finished Goods	Rs. 50,000	
	450 Units	600 Units
Direct Wages		Rs. 50,000
Indirect Wages		Rs. 2,000
Purchases of Raw Materials		Rs. 1,70,000
Factory Rent, Rates and Power		Rs. 10,000
Depreciation of Plant		Rs. 3,000
Indirect Materials		Rs. 1,000
Sales scrap		Rs.500
Office Rent & Taxes		Rs. 9,000
Traveler's Salary		Rs. 5,000

Production for the year 2,200 units
Profit 20% on sales.
You are required to prepare a cost sheet by showing :
a) Prime Cost b) Factory Cost c) Cost of Production
d) Cost of Goods Sold e) Cost of Sales f) Profit
g) Percentages of profit on total cost h) Profit per unit. [10]

22. The net profit as per cost account of a trader was Rs. 10,000. On reconciliation the following differences were noticed:
i) Factory overheads recorded in cost account Rs. 20,000 but debited in financial account Rs.25,000.
ii) Bank interest received Rs. 1,000.
iii) Income tax paid Rs. 20,000.
iv) Depreciation charged in cost account Rs. 20,000 and recovered in financial account Rs. 2,000.
v) Closing stock over overvalued in financial account Rs. 2,000
Required: Reconciliation statement between financial and cost accounting. [5]

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GLOBAL COLLEGE OF MANAGEMENT

Pre-Board Exam-2069

Grade: XII Subject: Accountancy F.M.:100
Time: 3:00 Hrs. P.M.:40

Set B

1. Write the meaning of company and mention its any two characteristics. [2+1=3]
2. Mention any two differences between Equity and Preference share.[2]
3. Give the meaning of Financial statement and mention its two objectives. [3]
4. What do you mean by Share holders equity and Long Term Debt? [2]
5. Explain in brief any three functions of cost accounting. [3]
6. What do you understand by centralized and decentralized purchased? [2]
7. What do you mean by classification of cost according to control? [3]
8. Write in briefly any two duties of storekeeper. [2]
9. A Ltd company forfeited 200 shares of Rs. 10 each issued at premium of Rs. 2 per share for non-payment of Rs. 4 on allotment (including premium) Rs. 3 on first & final call. These shares were re-issued for Rs. 8 per share as fully paid including the premium.
   Required: Journal entries for forfeiture, re-issue & transfer. [1+1+1=3]
10. A co. Ltd. invited application for 20,000 equity shares of Rs. 10 each at a discount of 10% payable as under:

On application	Rs. 3
On allotment	Rs. 4 (excluding discount)
On first and final call	Rs. 3

Applications were received for 40,000 shares and allotment was made in the following manner:

To applicants for 10,000 shares – full
To applicants for 20,000 shares – 50%
To applicants for 10,000 shares – Nil

The excess application money utilized on subsequent calls.
All money was duly received but Mr. JK who was allotted 100 shares failed to pay calls money. His shares were forfeited.
Required : Journal entries for:
i) Allotment ii) First & final call iii) Forfeiture [2+2+2=6]

11. A. Company Limited took over the following assets and liabilities of B. Company Limited at an agreed purchase price of Rs.4,40,000 :

Fixed Assets	Rs. 4,00,000
Stock	Rs. 60,000
Sundry Creditors	Rs. 40,000

The company paid the purchase consideration by issuing shares of Rs. 100 each at 10% Premium.
Required: Entries for purchased of assets. [2+1=3]

12. A company issued 10,000, 6% debentures of Rs. 100 each at discount and converting them in to equity shares of Rs. 100 each issued at par.
Required: Journal entries for issue and conversion of debentures. [2+2=4]

13. The Trial balance of X co. Ltd. as on 31st Chaitra is given below:

Debit Items	Rs	Credit Items	Rs.
Plant & Machinery	2,80,000	Sales	4,50,000
Debtors	10,000	P/ L App. account	80,000
Insurance	21,000	Capital	1,00,000
Salaries	15,000		
Opening Stock	40,000		
Wages	9,000		
Purchases	2,50,000		
Discount	1,000		
Cash at Bank	4,000		
	6,30,000		6,30,000

Adjustments:
a) Outstanding wages Rs.1,000 and pre paid insurance was Rs.2,000.
b) Proposed dividend @ of 10%.
Required:
i) Adjustment Entries. ii) 12 column work sheet. [2+6=8]

14. The trial balance of A company, Limited at the end of Chaitra was as under :

Particulars	Debit (Rs.)	Credit (Rs.)
Share Capital		7,00,000
Calls in Arrears	10,000	
10% Debentures		2,00,000
Bills Payable		1,20,000
Land and Building	8,00,000	
Furniture	1,00,000	
Account Receivable	1,20,000	
Cash at Bank	1,86,000	
Sales		7,80,000
Opening Stock	1,10,000	
Wages	30,000	
Carriage	10,000	
Salaries	60,000	
Rent	32,000	
Provision for Bad Debts		2,000
Sundry Expenses	10,000	
Audit Fees	14,000	
Debenture Interest	10,000	
Discount on Issues Shares	30,000	
Commission Received		20,000
Purchases	3,00,000	
	18,22,000	18,22,000

Additional information :

1. Stocks were valued at Rs. 50,000 at the end of Chaitra.
2. Provide 10% depreciation on furniture.
3. Reserve for doubtful debts to be provided at 10% of sundry debtors.
4. The Directors have decided to distribute 10% dividend on paid up Capital
5. Rent due for two months.
6. Make a provision for income tax @ 40%

Required :

(i) Trading and Profit & Loss Account
(ii) Profit and Loss Appropriation Account
(iii) Balance Sheet [3+4+1+4=12]

15 . The Balance sheet of A.K. Co. Ltd as on 31st Chaitra, 2069 is as under:

Liabilities	Rs.	Assets	Rs.
Share capital	2,00,000	Fixed Assets	2,00,000
Retained earning	1,50,000	Investment	1,23,000
10% debenture	70,000	Sundry Debtors	1,00,000
Sundry creditors	30,000	Inventory	50,000
Bank Overdraft	20,000	Preliminary exp.	7,000
Expenses due	10,000		
Total	**4,80,000**		**4,80,000**

Additional information:

a) Inventory turnover ratio 10 times.
b) Net profit Rs.50,000

Required:

i) Sales amount ii) Current ratio iii) Debt-equity ratio
iv) Fixed assets turnover ratio v) Net Profit ratio [5]

16. The opening and closing balances of different accounts are as under:

Particulars	Opening Balance (Rs)	Closing Balance (Rs)
Sundry Debtors	30,000	50,000
Inventories	1,00,000	1,10,000
Cash at bank	11,000	18,500
Sundry creditors	71,000	94,000
Outstanding expenses	7,500	5,500
Fixed Assets	1,40,000	1,88,000
10% debentures	75,000	50,000
Share capital	1,53,000	2,04,000

Required:

(i) Schedule of changes in working capital
(ii) Funds Flow Statement [3+2=5]

17 The company's Balance Sheet for two years have been given below:

Liabilities	I	II	Assets	I	II
Share capital	10,00,000	12,00,000	Fixed assets	12,00,000	16,00,000
Share premium	1,00,000	1,20,000	Stock	1,00,000	2,00,000
Debentures	2,00,000	1,00,000	Acc receivable	3,00,000	2,00,000
Bills payable	1,00,000	80,000	Cash	2,00,000	1,00,000
Account payable	2,00,000	3,00,000			
Retained earning	2,00,000	3,00,000			
	18,00,000	**21,00,000**		**18,00,000**	**21,00,000**

Additional information:

a) Sales for the year Rs.12,00,000
b) Cost of goods sold Rs.7,00,000
c) Operating expenses Rs.2,00,000
d) Fixed assets purchased Rs.6,00,000 and fixed assets costing Rs.40,000 have been sold for Rs.60,000.
e) Dividend paid for the year Rs.40,000
f) Premium on redemption of debenture was Rs.20,000

Required:

Cash Flow Statement by applying Direct Method. [5+2+2+1=10]

18. The following transactions relating to the receipt and supplies of the materials on the basis of :

Magh 1	Opening balance 400 units @ Rs. 20 per unit
5	Received 500 units @ Rs. 21 per unit
7	Issued 700 units
8	Stock verification reveals loss of 20 unit
15	Return to store 40 unit
20	Received 500 units @ Rs. 22 per unit
28	Return to vendors 30 units

Required: Store ledger under FIFO method. [5]

19. The following information is given by a company:

Annual requirement Rs.32,000
Cost of placing one order Rs.400
Procurement cost (unit cost) Rs.100
Average inventory carrying cost 10% of unit cost
Required: Economic Order Quantity [2]

20. Following information are given:

Weekly working hours 40 hrs.
Total working weeks 10 weeks
Hourly output 8 units
Wage rate per unit of output Rs.2
Required: Total wage payable under Piece wage system. [2]

21. Following figures have been extracted from the cost records of a manufacturer for the production and sale of 1,000 units

Cost of Raw Materials	Rs. 20,000
Labour Cost	12,000
Factory Overhead	8,000
Office Overhead	4,000
Selling Expenses	1,000
Rate of Profit – 25% on selling price.	

The manufacturer decides to produce and sell 1,500 units in coming year. It is estimated that:

a) the cost of raw material will increase by 20% and labour cost by 10%.
b) Office overhead is 50% variable and 50% is fixed.
c) Selling expenses per unit will be reduced by 20%.
d) The rate of profit will remain the same.

Required: (i) Cost sheet (ii) Tender sheet [3+7=10]

22. The net profit of a company for the year was Rs. 50,000 as shown by the Cost account.

a) Office overhead under recorded in Cost Account Rs. 4,000
b) Depreciation charged in Financial A/C Rs. 20,000 and in Cost Account Rs. 30,000.
c) Interest on investment not included in Cost Account Rs. 5,000.
d) Income tax paid Rs. 20,000.
e) Closing Stock shown only in Financial Account Rs. 6,000.

Required: Reconciliation statement between financial and cost account. [5]

GLOBAL COLLEGE OF MANAGEMENT

Pre-Board Exam-2069

Grade: XII Subject: Basic Mathematics F.M.: 100

Time: 3 hrs P.M.: 35

Set: A

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group 'A'

Attempt **All** Questions.

1. a) A family of 4 brothers and 3 sisters is to be arranged for a photograph in one row. In how many ways can they be seated if none of the two sisters sit together? [2]

   b) Prove that:

   $$\frac{1}{n+1}+\frac{1}{2(n+1)^2}+\frac{1}{3(n+1)^3}+\ldots=\frac{1}{n}-\frac{1}{2n^2}+\frac{1}{3n^3}-\ldots$$ [2]

   c) Let $a*b=3a+2b$ for $a,b\in Z$. Is * associative on Z. [2]

2. a) Find the equation of hyperbola in standard position where latus rectum is 4 and eccentricity is 3. [2]

   b) Find the projection of the join of the pair of points (3, –1, 2) and (5, –7, 4) on a one line joining the points (0, 1, 0) and (1, 3, 7). [2]

   c) Find the area of the parallelogram whose diagonals are represented by the vectors $3\vec{i}+\vec{j}-2\vec{k}$ and $\vec{i}-3\vec{j}+4\vec{k}$. [2]

3. a) Using L'Hospital's rule, evaluate: $\lim_{x\to 0}\left(\frac{1}{x}-\frac{1}{\sin x}\right)$ [2]

   b) Evaluate: $\int\frac{\cot hx\,dx}{\sinh x-9\operatorname{cosec} hx}$ [2]

   c) Solve the differential equation:

   $$\frac{dy}{dx}+\frac{\cos x.\sin y}{\cos y}=0$$ [2]

4. a) Find the regression equation of x on y when

   $\bar{x}=6,\ \bar{y}=11,\ \sum xy=306,\ \sum x^2=164,\ \sum y^2=574, n=4.$ [2]

   b) The letters of the word "TRIANGLE' are arranged at random. Find the probability that the word so formed starts with T. [2]

   c) If $\vec{a}+\vec{b}+\vec{c}=0$, $|\vec{a}|=3, |\vec{b}|=5$, $|\vec{c}|=7$, find the angle between $\vec{a}$ and $\vec{b}$. [2]

5. a) In how many ways can a committee of 15 members be formed out of 8 engineers, 5 doctors and 4 lawyers so that all lawyers always have a representation? [4]

   b) If $a, b\in(G, 0)$, then [4]

   i) $(a0b)^{-1}=b^{-1}0a^{-1}$

   ii) $(a^{-1})^{-1}=a$

6. a) Find the equation of tangent to the parabola $y^2 = 4ax$ at a point (x_1, y_1) on the parabola. [4]

   b) Find the angle between the two lines whose direction cosines are $(l_1, m_1, n_1,)$ and $(l_2, m_2, n_2,)$. Also, find the condition under which two lines are perpendicular. [4]

   OR

   A variable plane is at a constant distance 3p from the origin and meets the axes in the points A, B, C. Prove that the locus of the centroid of the triangle is $\frac{1}{x^2}+\frac{1}{y^2}+\frac{1}{z^2}=\frac{1}{p^2}$. [4]

7. a) Evaluate: $\int\frac{dx}{2\sin hx+3\cos hx}$ [4]

   OR

   Evaluate: $\int\frac{2x^3+6x}{x^4+3x^2-4}dx$

   b) Solve: $xdy-ydx=\sqrt{x^2+y^2}\,dx$ [4]

   OR

   Solve: $(1-x^2)\frac{dy}{dx}-xy=1$

8. a) Three balls are drawn in succession from a bag containing 8 white and 6 black balls. What is the probability that
   i) all three balls are white
   ii) one is white and 2 is black [4]

   b) Find Karl Pearson's coefficient of skewness from the following data. [4]

Marks	Above 20	Above 30	Above 40	Above 50	Above 60
Frequency	50	46	30	24	8

9. Sum to infinity of the following series. [6]

$$1+\frac{1+3}{2!}+\frac{1+3+3^2}{3!}+\frac{1+3+3^2+3^3}{4!}+\ldots$$

10. Define dot product. Interpret it geometrically, prove vectorically that: $\cos(A-B)=\cos A\cos B+\sin A\sin B$. [6]

11. State mean value theorem. Interpret it geometrically, verify mean value theorem for the function
$f(x)=(x-1)(x-2)(x-3)\ x\in[1,4]$. [6]

OR

Find, form first principle, the derivative of: log (sec x^2).

Group 'B'

12. a) Convert the hexadecimal numeral AFB2 to the binary number. [2]
   b) Determine graphically the solution set of the following system of inequalities. $x+2y\le 8,\ -x+2y\le 6,\ y\ge 0$. [2]
   c) Find the norm of the following matrix A.

$$A=\begin{bmatrix}5 & -3 & 0\\ -1 & 2 & 6\\ 2 & -1 & 1\end{bmatrix}$$ [2]

13. a) Using Gauss elimination method, solve the following system of equations. $3x+6y+z=16,\ 2x+4y+3z=13,\ x+3y+2z=9$ [4]

OR

Solve the following system of equations using Gauss-Seidal method. $5x-3y=13;\ \ 3x-4y=10$

b) Evaluate using trapezoidal rule, the integral $\int_0^1 \frac{dx}{1+x^2}$ with three end points of the intervals. Find the error of approximation. How many points are to be considered it make the approximated value within 10^{-4} ? [4]

14. Using simplex method: Minimize $W=18x+12y$ subject to the constraints. $2x+y\ge 8;\ 6x+6y\ge 36$ Where $x, y\ge 0$. [6]

15. Using bisection method, find the root of the equation $x^3-x-4=0$ lying between 1 and 2 correct to three places of decimal. [6]

OR

Solve: $2x^3-3x-1=0$ using Newton-Raphson method taking $x_0 = 1$ with error less than 10^{-4}.

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GLOBAL COLLEGE OF MANAGEMENT

Pre-Board Exam-2069

Grade: XII Subject: Basic Mathematics F.M.: 100
Time: 3 hrs P.M.: 35

Set: B

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group 'A'

Attempt **All** Questions.

1. a) In how many ways can the letters of the word "STRANGE" be arranged so that the vowels may appear in the odd places? [2]
   b) Prove that:
   $$2\ln x - \ln(x+1) - \ln(x-1) = \frac{1}{x^2} + \frac{1}{2x^4} + \frac{1}{3x^6} + \ldots$$ [2]
   c) Let $a * b = a^b$ for $a, b \in Z$. Is * associative on Z. [2]

2. a) Find the equation of the ellipse whose foci are at $(\pm 2, 0)$ and the length of the latus rectum is 6. [2]
   b) Find the projection of the join of the pair of points (3, –1, 2) and (5, –7, 4) on the co-ordinate axes. [2]
   c) Find the area of the triangle formed by the points A (1, 1, 1), B(1, 2, 3) and C(2, 3, 1) (By using vector method). [2]

3. a) Using L'Hospital's rule, evaluate: $\lim_{x\to 0} (\sin x)\ln x$ [2]
   b) Evaluate: $\int \frac{x^3 dx}{1-x^8}$ [2]
   c) Solve the differential equation:
   $$(x\ln x)\frac{dy}{dx} = y$$ [2]

4. a) Find the regression equation of y on x when
   $\sum x = 15, \sum y = 25, \sum xy = 78, \sum x^2 = 55, \sum y^2 = 140, n = 5.$ [2]
   b) The letters of the word "TRIANGLE' are arranged at random. Find the probability that the word so formed starts with T and ends with E. [2]
   c) Prove that: $\left(\vec{a}.\vec{b}\right)^2 + \left(\vec{a}\times\vec{b}\right)^2 = a^2b^2$ [2]

5. a) A committee of 5 is to be selected from among 6 boys and 5 girls. Determine the number of ways of selecting the committee if it is to consist of at least 1 boy and 1 girl. [4]
   b) Define Group. If a and b are the elements of a group $(G, 0)$, then $x0a = b$ have unique solutions in $(G, 0)$. [4]

6. a) Find the equation of the normal to the parabola $y^2 = 4ax$ in slope form. [4]
   b) Find the length of perpendicular from a given point on a given plane. [4]

   OR

   Find the direction cosines of the line which is perpendicular to the lines with direction cosines proportional to 3, –1, 1 and –3, 2, 4.

7. a) Evaluate: $\int \frac{dx}{a+b\cos x}$ $(a < b)$ [4]

   OR

   Evaluate: $\int \frac{2x^3 + 8x}{2x^4 - 5x^2 + 3}\,dx$

   b) Solve: $(x^2 + y^2)dy = xy\,dx$ [4]

   OR

   Solve: $(1+x)\frac{dy}{dx} - xy = 1 - x$

8. a) Two dice are thrown together. Find the probability of getting an even number on the first die or a total of 8. [4]
   b) Find Karl Pearson's coefficient of skewness from the following data. [4]

Height	Below 7	Below 14	Below 21	Below 28
No. of plants	4	12	24	30

9. Sum to infinity of the following series. [6]

$$1+\frac{1+2}{2!}+\frac{1+2+2^2}{3!}+\frac{1+2+2^2+2^3}{4!}+...$$

10. Define vector product. Interpret it geometrically, prove vectorically that: $\sin(A-B)=\sin A\cos B-\cos A\sin B$. [6]

11. State Rolle's theorem. Interpret it geometrically, verify Rolle's theorem for the function

$f(x)=\sqrt{25-x^2}\ \ x\in[-5,5]$. [6]

OR

Find, form first principle, the derivative of: $\log(\sin^{-1}x)$

Group 'B'

12. a) Convert the binary numeral 1010110111_2 into hexadecimal form. [2]

b) Determine graphically the solution set of the following system of inequalities. $3x+4y\le 4,\ \ 6x+8y\ge 1$. [2]

c) Find the norm of the following matrix A.

$$A=\begin{bmatrix}1 & 8 & -1\\ -9 & -71 & 11\\ 1 & 17 & 18\end{bmatrix}$$ [2]

13. a) Using Gauss elimination method, solve the following system of equations. $3x-y+z=2,\ -15x+6y-5z=5,\ 5x-2y+2z=1$ [4]

OR

Solve the following system of inequalities using Gauss-Seidal method. $3x+y=5;\ \ x-3y=5$

b) Find the value of n, using Simpson's rule the integral $\int_0^1 \frac{dx}{1+x}$ so that the upper bound of the error of approximation is $\frac{1}{6}\times 10^{-4}$. [4]

14. Using simplex method: Minimize $P=2x+y$ subject to the constraints. $5x+y\ge 9;\ 2x+2y\ge 10$ Where $x, y\ge 0$. [6]

15. Using bisection method, find the root of the equation $x^3-4x+1=0$ lying between 1 and 2 correct to two places of decimal. [6]

OR

Using Newton-Raphson method, find the cube root of 5 correct to 3 places of decimal.

GLOBAL COLLEGE OF MANAGEMENT

Pre-Board Exam-2069

Grade: XII Subject: Business Studies F.M.:100
Time: 3 Hrs. P.M.:35

Set A

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group A
(Short Answer Questions)

Attempt **any 8** questions.

1. Define management. Explain the characteristics of management. [2+6]
2. What is scientific management? Explain the principles of scientific management. [2+6]
3. Explain the benefits of planning in business organization. [8]
4. What is decision making? Explain the different types of decision. [2+6]
5. What are the elements of adequate control? Explain. [8]
6. Define Supervision. Explain the factors governing effective supervision. [2+6]
7. Define fire insurance. Explain the types of fire insurance policy. [2+6]
8. Define communication. Show the importance of communication in business. [2+6]
9. Give the concept of coordination & explain the principles of coordination. [2+6]
10. What is conflict? Explain the different types of conflict. [2+6]

Group B
(Long Answer Question)

Attempt **any 2** questions.

11. What is insurance? Discuss the principles & importance of insurance. [4+7+7]
12. Define motivation. Why is motivation important in organization? Discuss the human needs according to Maslow's need hierarchy theory of motivation. [4+7+7]
13. Define organization. Discuss the principles of organization. [4+14]

GLOBAL COLLEGE OF MANAGEMENT

Pre-Board Exam-2069

Grade: XII Subject: Business Studies F.M.:100
Time: 3 Hrs. P.M.:35

Set B

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group A
(Short Answer Questions)

Attempt **any 8** questions.

1. What is management? Explain the major functions of management. [2+6]
2. Explain any 7 principles of management developed by Henry Fayol. [8]
3. Define planning. Explain the types of planning. [2+6]
4. Define direction. Explain the importance of direction in an organization. [2+6]
5. Explain the importance of organization. [8]
6. What is leadership? Explain the qualities of leadership. [2+6]
7. Explain the types of life insurance policy. [8]
8. What is motivation? Explain the techniques of motivation. [2+6]
9. Define controlling. Explain the process of controlling. [2+6]
10. What is participative management? Explain the importance of participative management. [2+6]

Group B
(Long Answer Question)

Attempt **any 2** questions.

11. What is communication? Discuss the principles of communication & barriers to effective communications. [4+7+7]
12. What is life insurance? Describe its importance to individuals. Also explain the procedures of effecting life insurance. [3+6+9]
13. Define deparmentation & its various methods. Also explain delegation of authority &its principles. [10+8]

GLOBAL COLLEGE OF MANAGEMENT

Pre-Board Exam-2069

Grade: XII Subject: Business Mathematics F.M.: 100

Time: 3 hrs P.M.: 40

Set: A

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Attempt All Questions.

Group 'A' **[10×2×3 = 60]**

1. a. Write the inequality $-10 < 3x + 10 < 5$ using the absolute value sign.
   b. In a statistical investigation of 500 families in certain town, it was found that 40 families had neither a radio nor a TV, and 320 families had a radio and 190 a TV. How many families in that group had both radio and TV?

2. a. In an arithmetic sequence, the 4^{th} and the 15^{th} terms are 11 and 44 respectively. Find the first term and the common difference.
   b. Insert 3 G.M's between $2\frac{1}{4}$ and $\frac{4}{9}$.

3. a. In how many ways can the letters of the word 'COMMERCE' be arranged?
   b. If $A = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$, show that $A^2 - 5A - 2I = 0$ where 0 is the null and I is an identity matrix of order 2.

4. a. Find the equation of the line which passes through the point (1, 2) and the point of intersection of $2x - 3y + 1 = 0$ and $x + 2y = 3$.
   b. Show that the triangle formed by joining the co-ordinates of the two points (4, 3) and (5, 0) with the origin is an isosceles triangle.

5. a. Evaluate the following using four figure log table: $\frac{\sqrt{37.92} \times (0.8134)^2}{(1.316)^3 \times \sqrt[3]{0.3847}}$
   b. A taxi charges Rs. 8.50 at a time of starting and Rs. 2.50 for each additional kilometer. If y is the total taxi charge and x is the number of kilometers travelled, determine the relationship between y and x. Also find the value of y when x = 12.

6. a. A function is defined as $f(x) = \begin{cases} 2x+1 & \text{for } x<1 \\ 2 & \text{for } x=1 \\ 3x & \text{for } x>1 \end{cases}$. Is the function continuous at $x = 1$?
   b. Find $\frac{dy}{dx}$ if $y = t + \frac{1}{t}$ and $x = t - \frac{1}{t}$.

7. a. Evaluate: $\int \frac{1}{\sqrt{x+a} - \sqrt{x-a}}\, dx$
   b. If the marginal cost of the product is given by $MC = 36 - 20x + 6x^2$ and the fixed cost is Rs. 20, find the total cost.

8. a. Compute coefficient of variation of the following individual series:
   Share price (x): 35, 52, 53, 56, 58, 52, 50, 51, 49
   b. What is the probability of drawing a club or a jack from a deck of 52 cards?

9. a. If 50 men working 8 hours a day, dig in 5 days, a trench of 275 cu.m. In how many days of 10 hour each could 40 men dig a trench of 330 cu.m, when the hardness of the ground in first case is twice than in the second and 3 men of the former can do the work of 4 men of the latter?
   b. The cost of an article is Rs. 1500. What should be the marked price of the article in order to get 20% profit on cost price allowing 10% discount on marked price?

10. a. Determine the par of exchange between London and New York. If £1 contains 61.635 grains of gold $\frac{11}{12}$ fine and 1 dollar contained 25.8 grains of gold $\frac{9}{10}$ fine.

    b. Find the present value of an annuity of Rs. 400 for 10 years at 5% compound interest.

Group 'B' **[8×5 = 40]**

11. Solve the following equation using Cramer's rule.
    $x + y - 2z = 1$; $2x - 7z = 3$; $x + y - z = 5$

12. Find from first principles, the derivative of $\frac{1}{x+3}$.

13. If the revenue function is $R = Q - 3Q^2$ and the cost function $C = Q^2 - 2Q$, find the value of the maximum profit.

14. Maximize $Z = 30x + 50y$
    Subject to
    $x + y \leq 30$
    $x + 2y \leq 40$
    $x \geq 0, y \geq 0$

15. Following are the marks obtained by two students A and B in 10 tests of 100 marks each

Test	1	2	3	4	5	6	7	8	9	10
Marks of A	60	64	81	62	70	72	65	81	80	85
Marks of B	30	70	90	77	32	81	88	79	95	28

    (i) Who is better?
    (ii) Who is intelligent?

16. A, B and C enter into a partnership. A putting in Rs. 2,000 for the whole year, B putting in Rs 3,000 at the first and increasing it to Rs. 4,000 at the end of 4 months whilst C puts in at first Rs. 4,000 but withdraws Rs. 1,000 at the end of 9 months. How should they divide a profit of Rs. 8,475 at the end of a year?

17. The true discount on a certain bill due 2 years hence at 10% p.a. is Rs. 100. Find the banker's discount on the same sum for the same time and at the same rate.

18. A sum of money put out a compound interest increased by Rs. 180 at the end first year and Rs. 188.10 at the end of second year. Find the rate percent and the sum.

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GLOBAL COLLEGE OF MANAGEMENT

Pre-Board Exam-2069

Grade: XII | Subject: Business Mathematics | F.M.: 100
Time: 3 hrs | P.M.: 40

Set: B

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Attempt All Questions.

Group 'A' **[10×2×3 = 60]**

1. a. Express $\frac{8 + 6i}{5 - 12i}$ in the form of a + bi and find its modulus.
   b. Let A = {1, 2, 3}. Find the relation in A×A satisfying the condition x + y < 4, where x, y ∈ A.

2. a. A small town whose population was 12,317 ten years ago, has lost 250 inhabitants each year since then. What is the present population of small town?
   b. Sum to n terms of the following series: 5 + 55 + 555 + ….

3. a. A person has got 12 friends of whom 8 are relatives. In how many ways can he invite 7 guests such that 5 of them may be relatives?
   b. Using Cramer's rule, solve the following equations:
   $5x - 3y = 8$; $2x + 5y = 59$.

4. a. Find the equation of a straight line passing through the points (–1, –1) and (8, 11).
   b. Find the equation of the locus of a point, which moves such that its distance from (–1, 3) is always 8.

5. a. Evaluate the following using four figure log table: $\frac{46.23 \times 92.75}{\sqrt[3]{0.0029}}$
   b. Evaluate: $\lim_{x \to 32} \frac{x^{1/5} - 2}{x - 32}$

6. a. Test the continuity or discontinuity of the function defined by
   $$f(x) = \begin{cases} \frac{x^2 - 4x}{x - 4} & \text{for } x \neq 4 \\ 3 & \text{for } x = 4 \end{cases} \quad \text{at } x = 4$$
   b. Find $\frac{dy}{dx}$, if $x^2 + y^2 = a^2$.

7. a. Evaluate: $\int x \log x \, dx$
   b. If the marginal revenue function for output x is given by $MR = 3x^2 - 2x + 5$, find the total revenue function.

8. a. Compute the mean deviation from mean of the following data:

Marks:	10	15	20	25	30
No. of students:	2	4	6	8	5

   b. The chance that A can solve a certain problem is $\frac{2}{3}$ and the chance that B can solve it is $\frac{3}{4}$. Find the chance that the problem would be solved by at least one of them.

9. a. If 30 men can do a piece of work in 11 days working 9 hours a day, how many hours a day have 55 men to work in order to finish another work thrice as great in 18 days.
   b. A person bought 50 goats at Rs. 2,200 a goat and fixed the selling price of each goal so as to gain 16%. But 10 goats died. He sold the remaining goats at the same intended price. What is his gain or loss percent?

10. a. If Rs. 126.36 = £1, 50Pence = 3.52 marks, 4.8 francs = $1, 3.91 marks = $1, find the arbitrary rate of exchange between France and Kathmandu.
    b. A loan of Rs. 18,000 and interest there on at $4\frac{1}{2}$% p.a. is being paid off at 18 equal installments, the first payment being made at the end of the first year. Find the amount of each installment.

Group 'B' [8×5 = 40]

11. Prove that: $\begin{vmatrix} a-b-c & 2a & 2a \\ 2b & b-c-a & 2b \\ 2c & 2c & c-a-b \end{vmatrix} = (a+b+c)^3$

12. Find from first principles the derivative of $x + \frac{1}{x}$.

13. Find the maximum and minimum values of $y = x^3 - 2x^2 - 4x - 1$.

14. Minimize: $F = 8x - 5y + 40$
    Subject to yhe constraints
    $x + 2y \leq 10$
    $x - y \geq 1$
    $x, y \geq 0$

15. Calculate the mean and the standard deviation for the data given below:

Marks:	0–10	10–20	20–30	30–40	40–50
No. of Students:	7	12	24	10	7

16. Two partners share a business, A contributes Rs 12,000, B contributes Rs 18,000. B gets 15% of the profit for his salary as a manager. At the end of 7 months, A withdraws $\frac{2}{3}$ of his capital and two months later B withdraws $\frac{1}{2}$ of his capital. Profit at the end of the year is Rs. 3,130. What sum of money should each receive?

17. Find the difference between the banker's discount and the true discount on a bill of Rs. 4,368 due in 146 days at 10% p.a.

18. A machinery costing Rs. 60,000 has as estimated life for 20 years. If in 20 years, its cost is reduced by Rs. 43,000, find the rate of compound depreciation.

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GLOBAL COLLEGE OF MANAGEMENT

Pre-Board Exam-2069

Grade: XII Subject: Computer Science F.M.:75
Time: 3 hrs. P.M.:30

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group A

Attempt **any four** questions [4×10=40]

1. a. What is conditional operator? Write C program to find out greatest between two numbers using conditional operator. [1+4]
   b. What is looping? Explain break statement and continue statement with respective examples. [1+4]
2. a. Define a string. Explain the use of string manipulation functions: strcat() and strrev() with respective examples. [1+4]
   b. Write a C program to print the following series up to 10^{th} term.
   1 5 9 13 ……
3. Differentiate between library function and user defined function. Write a C program to calculate power function $P=X^Y$ using user defined function. [4+6]
4. Discuss the similarities and the differences between array and pointer with proper examples. Also write a C program to find out the greatest among given set of numbers using function. [4+6]
5. Write an interactive C program to read, write and append successive records from data file. [10]

Group B

Attempt **any Seven** questions [7×5=35]

6. What is data security? Explain the various types of security methods normally adopted in information system.
7. Define system and information system. Explain the various stages of system development life cycle.
8. What is normalization? Explain the normalization process with examples.
9. What is networking? Distinguish between star topology and ring topology with respective diagrams.
10. Write short notes. (any two)
    - Cyber Law
    - Circuit Switching
    - Data Dictionary
11. What is object oriented programming (OOP)? Explain the major characteristics of OOP.
12. What is AI? Explain major four applications of AI.
13. What is E-Commerce? Discuss the the scope of of E-Commerce in Nepalese context.
14. Differentiate between structure and union.

GLOBAL COLLEGE OF MANAGEMENT

Pre-Board Exam-2069

Grade: XII Subject: Computer Science F.M.:75
Time: 3 hrs. P.M.:30

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group A

Attempt **any four** questions [4×10=40]

1. a. What is conditional operator? Write C program to find out greatest between two numbers using conditional operator. [1+4]
   b. What is looping? Explain break statement and continue statement with respective examples. [1+4]
2. a. Define a string. Explain the use of string manipulation functions: strcat() and strrev() with respective examples. [1+4]
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   1 5 9 13 ……
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4. Discuss the similarities and the differences between array and pointer with proper examples. Also write a C program to find out the greatest among given set of numbers using function. [4+6]
5. Write an interactive C program to read, write and append successive records from data file. [10]

Group B

Attempt **any Seven** questions [7×5=35]

6. What is data security? Explain the various types of security methods normally adopted in information system.
7. Define system and information system. Explain the various stages of system development life cycle.
8. What is normalization? Explain the normalization process with examples.
9. What is networking? Distinguish between star topology and ring topology with respective diagrams.
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    - Cyber Law
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11. What is object oriented programming (OOP)? Explain the major characteristics of OOP.
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14. Differentiate between structure and union.

GLOBAL COLLEGE OF MANAGEMENT

Pre-Board Exam-2069

Grade: XII Subject: Economics F.M.: 100

Time: 3 Hrs. P.M.: 35

Set A

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group A

1. Distinguish between movement along and shift in demand curve. Explain factors causing the shift in demand curve. [4+6]
2. Define price elasticity of demand. Explain its various degrees. [2+8]
3. Explain the law of diminishing marginal utility. What are its exceptions? [7+3]
4. What do you mean by division of labor? Explain its merits and demerits. [2+4+4]

   Or

   Define monopoly. How equilibrium price and output are determined under it? Explain. [2+8]
5. Attempt any **Four** questions: [4×5=20]
   I. State and explain law of supply.
   II. Explain features of capital.
   III. Show the relationships between TP, AP and MP under short run.
   IV. Derive all short run total cost curves.
   V. Explain classical theory of interest.
6. Attempt **all** questions: [5×2=10]

a. Define consumer's surplus.
b. What is production function?
c. State the major characteristics of perfect competition market.
d. Distinguish between firm and industry.
e. Define net profit and gross profit.

Group B

7. Explain quantity theory of money. What are its criticisms? [7+3]

   Or

   Define tax. Explain the cannons of taxation. [2+8]
8. Attempt any **two** questions: [2×5=10]
   I. Explain the functions of commercial bank in brief.
   II. Give arguments in favor of free trade.
   III. How public expenditure is classified? Explain.

9. Attempt **all** questions: [5×2=10]
   a. Define price index number.
   b. Distinguish between money market and capital market.
   c. Define budget.
   d. State the major importance of foreign trade.
   e. State the objectives of WTO.

THE END

GLOBAL COLLEGE OF MANAGEMENT

Pre-Board Exam-2069

Grade: XII Subject: Economics F.M.: 100

Time: 3 Hrs. P.M.: 35

Set B

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group A

1. Explain law of demand. What are its exceptions? [8+2]
2. What do you mean by elasticity of demand? Explain the total outlay method of measurement of price elasticity of demand. [3+7]
3. Explain law of substitution. [10]
4. Define efficiency of labor. Explain the factors affecting efficiency of labor. [3+7]

   Or

   State the meaning of perfect competition market. How equilibrium price and output are determined under it? Explain. [2+8]
5. Attempt any **Four** questions: [4×5=20]
   I. Explain the major features of market economy.
   II. What is capital formation? Explain the process of capital formation.
   III. State and explain the law of variable proportion in brief.
   IV. Derive all short run average cost curves.
   V. Explain Ricardian theory of rent.
6. Attempt **all** questions: [5×2=10]
   a. Define TU and MU.
   b. State the major features of joint stock company
   c. What are the major characteristics of monopoly market?
   d. Distinguish between nominal wage and real wage.
   e. What are the features of land?

Group B

7. Explain comparative cost advantage theory of foreign trade. What are its criticisms? [7+3]

   Or

   Define direct tax. Explain its merits and demerits. [2+4+4]
8. Attempt any **two** questions: [2×5=10]
   I. Explain functions of central bank in brief.
   II. Explain the process of budget formulation.
   III. Explain the functions of money.
9. Attempt **all** questions [5×2=10]
   a. Define money.
   b. State the major roles of banking system.
   c. What are the sources of public debt?
   d. Give arguments in against of protection trade policy.
   e. Define inflation.

THE END

GLOBAL COLLEGE OF MANAGEMENT

Pre-Board Exam-2069

Grade: XII Subjects: English F.M.: 100
Time: 3 Hrs. P.M.: 35

Set 'A'

Candidates are required to give their answer in their own words as far as practicable.

1. Read the following passage carefully and answer the questions given below : [15]

What is the "Eden Effect?" Almost universal worldwide positive publicity and reporting has proven the success of the project. In direct contrast to the fate of the UK's other major Millennium project: the Greenwich Dome, Cornwallis attraction has been cherished by the press and public. Yet the west country has been under siege the year; torrential flooding followed by the ravages of foot and mouth disease has brought the tourism industry and the local economy to its knees. In such a climate, and project the size of Eden is likely to have a far-reaching impart. At least one tourist attraction, Paul Corin's Magnificent Music Machines has cited Eden as the reason for its closure. In contrast, the Cornish Association of Tourist Attractions' chairman, Nick Howell says: "It may well be that the knock on effect will actually extend the season." Charles Edward-Collins, Managing Director of Cornish Traditional Cottages, one of Cornwall's major holiday home agencies, agree: "there has been a noticeable increase in bookings for properties within the area of Eden, but elsewhere there has not been much change". What then is its secret? Three Marjon students, Nicholas Sheriff, Timothy May and Sabine Keller addressed their dissertation this year to the Eden Project. Asking whether customers were likely to be disappointed by the actuality of Eden, After the hype, they concluded the one reason for the attraction's success may be that it is an on-going project. Its Eden team also has a range of strategies to enhance the experience: sculptures and entertainers to amuse queues, umbrellas for inclement weather and helpful, informed guides, Success though is always ephemeral: the Eden team will need to work hard to ensure they continue to hold our loyalty in the future.

Questions:

a. What indicates the success of the project mentioned here?
b. What has affected the West Country tourism negatively this year?
c. What similar opinions do Nick Howell and Charles Edward-Collins hold about the project?
d. What was the conclusion of three Marjon students in their dissertation?
e. What does the writer suggest to the Eden Project team?

2. Write a newspaper article about developing tourism in Nepal. [10]
3. Write your experience about the outing that you have made recently. [10]
4. Write full instructions for making tea or coffee for five. [5]
5. Change the following sentences using <u>supposed to</u> : [5]
   a) Apparently elephants have very long memories.
   b) People say it's unlucky to walk under a ladder.
   c) Apparently Marilyn Monroe was an insomniac.
   d) They say that Methuselah lived for more than 300 years.
   e) They say the universe is expanding all the time.
6. Join the following prompts using <u>When</u> : [5]
   a) arrive/border → show/passport
   b) water/boil → pour/teapot
   c) turn off/light → change/bulb
   d) turn on/gar → light/gas
   e) meet/stranger → shake/hands
7. Look at the following example. [5]

   My grandfather retired/he had a heart attack.

→ No sooner had my grandfather retired than he had a heart attack.

Join the following pairs of events using <u>No sooner had</u>

a) The Wilkinsons went to bed/Mrs. Wilkinson heard a strange noise.
b) The plane took off/three hijackers walked into the cabin.
c) I sat down to watch my favorite programme/some friends turned up.

d) The new exhibition hall was opened/it was destroyed by fire.
e) They got back from their honeymoon/they had a terrible quarrel.

8. Express your wish in the following situations using a) would b) could and c) the past tense [5]
   a) It's raining.
   b) You're lonely
   c) You're ill in bed
   d) Your car's broken down.
   e) You're short of money.

9. Change the suggestions below, using ought to, ought not to, might as well , there's no point in . [5]
   a) Don't take your children to see that film – it'll frighten them.
   b) Let's not sell it – it's not worth anything anyway.
   c) Why don't we give it away – it's not worth anything anyway.
   d) Don't ask him – he doesn't speak English.
   e) Why don't you take a pullover – it might turn cold.

10. Change the sentences below, using must, can't, may/might : [5]
    a) Perhaps he went home.
    b) I'm sure she wasn't at work.
    c) Perhaps they haven't finished.
    d) I'm sure they stole the money.
    e) I'm sure he's working.

11. Join the following sentences together using a non-defining relative clause. [5]

    Example:

    Finally Brown (Willis had been sharing an office with him) decided to retire.

    Ans: Finally Brown, with whom Willis had been sharing an office, decided to retire.

    a) Mrs. Aldrich (she was married with two children) never recovered consciousness.
    b) The old house (the family had lived in it for 300 years) was finally sold.
    c) Mary noticed that he was wearing her ring (she had lost it five years before).
    d) Nobody liked the eldest son (old Lord Banbury had left all his money to)
    e) He proudly showed me round his house (he had paid £100,000 for it).

12. Answer the following questions: (any five) [3×5=15]
    a) Justify the title "The Tell-Tale Heart".
    b) Why are female entrepreneurs not always ladies first. (Women's Business)
    c) Why is God great? (God's Grandeur)
    d) Why is the ship called "Ghost Ship"? (The Last Voyage of the Ghost Ship).
    e) How is Karnali linked economically with the lowland regions to the south? (Hurried Trip to Avoid a Bad star).
    f) Summarize the poem "The Lamentation of the Old Pensioner".

13. Give a character sketch of Mrs Monney. (The Boarding House) [10]

Or

Summarize the story "About Love".

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GLOBAL COLLEGE OF MANAGEMENT

Pre-Board Exam-2069

Grade: XII Subjects: English F.M.: 100
Time: 3 Hrs. P.M.: 35

Set 'B'

Candidates are required to give their answer in their own words as far as practicable.

1. Read the following passage and answer the questions that follow: [15]

The voice that came over the intercom of the British airways Jumbo as it cruised at 38,000, over Southern Sumatra was cool, calm and collected.

"Good evening, ladies and gentlemen," It said. "This is your captain speaking. We …. Er … have a small problem …. All four engines have stopped. We are doing best to get them going again, and we trust you will not be given to much distress". Though the stricken Boeing 747 plunged eastwards at up to 2000 feet a minute the pilot struggled desperately with the controls.

For captain Eric Moody, 28 years old pilot, it was the understatement of the year. The giant jet had just flown into a cloud of volcanic ash, putting all its four rolls-Royce engines out of action. Even as the 41 year-old pilot was fighting his life-or-death battle in the cramped cockpit to regain control of the damaged airliner, and trying to reassure the 239 passengers at the same time, the plane's cabin was filling with ash and smoke. "It was coming out of the air" Said Mr. Jerry Middleton, who was on his way from Kuala Lumpur to Perth. I looked through the window to see an engine apparently on fire, then all the engines stopped and we went to steep dive. It seemed to go on for an eternity. Everybody was terrified. By the time we pulled out, everybody was almost on their knees praying.

All the captain told us first was that the aircraft had met with turbulence and that we were not to worry. But the oxygen masks dropped down and the emergency exit signs lit up. We knew that it was more serious.

Questions:

a. How did the passengers know that there was a real emergency?
b. What did the narrator see when he looked out of the window?
c. What did the captain not tell the passengers when he made his announcement?
d. What did the captain tell the passengers?
e. Why is the captain's announcement called the understatement of the year?

2. Write a newspaper article about developing hydroelectric power in Nepal. [10]
3. Write some paragraphs describing one of the stories you have heard. [10]
4. Write the news on the following headline:
Airport collision: 20 Killed. [5]
5. Look at the example. [5]

Most of the people think that the capital is still in the hands of rebel troops.

Ans: The capital is thought to be still in the hands of rebel troops.

a) Some people report that the American government is worried about the situation.
b) Sources estimate that more than 100 people have died in the past two days.
c) Everyone knows that the rebels' weapons came across the border by road.
d) A lot of people believe that the President is about to resign.
e) Some sources allege that both sides have tortured prisoners.

6. Change the sentences below using <u>sure to</u>, <u>certain to</u> , <u>bound to</u>, <u>likely to</u> and <u>unlikely to</u> : [5]

a) The price of bread will definitely go up within a few weeks.
b) There will probably be more fighting in the capital.
c) I doubt if the miners will go on strike.
d) There will definitely be a few tickets left.
e) I'm sure a new chairman will be appointed soon.

7. Compare the prices of the things below. [5]

a) Tinned peas: 25 P frozen peas: 48 P
b) Cotton sheets: £14 silk sheets: £150
c) Olive oil: £2 corn oil: 99 P

d) Leather gloves : £8 woolen gloves: £2.75
e) Colour TV: £310 black-and-white TV: £60

8. Join the following sentences, using when instead of and or but . [5]
   a) She peeled the banana and gave it to the baby.
   b) He kicked the dog and it barked.
   c) The plane took off and the stewardess came round with orange juice.
   d) I read the letter and threw it into the wastepaper basket.
   e) I read his autobiography and discovered what a strange person he had been.

9. Choose one of the verbs in the list to report each of the remarks below. [5]

   promise advise suggest urge
   threaten recommend insist

   Example: I can't tell you how important it is for you to give up smoking.

   Ans: He urged me to give up smoking.
   a) You've got to lend me the money! Oh, please, please!
   b) Why don't you paint the ceiling yellow?
   c) I'll buy you an ice cream if you're good.
   d) You should spend a week in Scotland-it's lovely.
   e) I'll report you to the police if you don't do what I say.

10. Continue the following remarks with look, sound, smell, feel, taste + like : [5]
   a) Are you sure this is tea? ___
   b) I wonder who wrote that music ___
   c) They've got very similar faces ___
   d) This material's very soft ___
   e) What's that you're cooking? ___

11. Change the following sentences using seem. [5]
   a) He's very friendly.
   b) He isn't very rich.
   c) He doesn't spend much time out of doors.
   d) He watches television a lot.
   e) He has lived a very interesting life.

12. Answer the following questions: (any five) [3×5=15]
   a) What is the old Man's motive in murdering the boy? (Purgatory)
   b) Compare the trend of adoption in the past with the one at present in America. (The Children Who Wait)
   c) What is the purpose of the speech " I Have a Dream"?
   d) At what point does the physical action cease, to be replaced by another kind? (Travelling Through the Dark)
   e) How does the boy look at his uncle and his friends? (A story)
   f) Is death meaningful in the poet "Full Fathom Five Thy Father Lies"?

13. Summarize the story "Hansel and Gretel" by Jacob and Wilhelm Grimm. [10]

Or

What are the two Long-term problems? Explain them with their solution.

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GLOBAL COLLEGE OF MANAGEMENT

Pre-Board Exam – 2069

Grade: XII Subject: Hotel Management F.M.: 70
Time: 3:00 hrs. P.M.: 28

Candidates are required to give their answer in their own words as far as practicable.

1) Write (T) for True (F) False [5×1=5]
a) Slip cloth is laid over the multon.
b) Vinegar helps in quicker coagulation while boiling egg.
c) Guest room supplies are provided free of charge.
d) Rack rate is also known as published rate.
e) Traveler's cheque is produced by Travel agents.

2) Long questions (Attempt any **three**) [3×10=30]
a) Write down the types of mother sauce and any two mother sauce preparation methods.
b) Write down the types of service used in Food and Beverage department.
c) Write down 3 bed sheet making procedure.
d) Write down the Food and Beverage control system used in Food and Beverage department.

3) Short questions (Attempt any **six**) [6×5=30]
a) Explain the term Accompaniment and Garnish.
b) What are the aims and objective of cooking?
c) What are the purposes of reservation?
d) Explain the term Dummy waiter.
e) What are the types of wine? Explain it.
f) Define cocktail and write down the preparation method of Bloody Marry Cocktail.
g) What are the basic control tool of Food and Beverage Items
h) What are the posting procedures of V.T.L.?
i) Write the recipe and method for white stock.

4) Match the following. [5×1=5]

a)	Clouted	Bone
b)	Chinois	sauce
c)	Stock	moist with butter
d)	Bast	strainer
e)	Béchamel	onion

5) Write Full Form [0.5×10=5]
a) EPNS
b) POS
c) EDR
d) EMT
e) IATA
f) G.N.S.
g) C.I.P.
h) W.T.O
i) I.H.A
j) C.D.P

GLOBAL COLLEGE OF MANAGEMENT

Pre-Board Exam-2069

Grade: XII Subjects: Marketing F.M.: 80
Time: 3 Hrs. P.M.: 32

Candidates are required to give their answer in their own words as far as practicable.

GROUP-A

Brief Answer Questions [10× 1 = 10]

1. What is marketing mix?
2. What are 7Ps in services marketing?
3. Name four business concepts.
4. Name five elements of marketing.
5. What is buyers' market?
6. Who is processor?
7. Who are intermediaries?
8. What is another name of non institutional customer?
9. What are major three marketing function?
10. Name four type of transportation.

GROUP-B

Short Answer Questions [5×8=40]

Attempt any FIVE questions:

11. What is brand? Why branding is important to the customer.
12. Describe various types of consumer products
13. Explain the functions of packaging
14. Describe the types of consumer products on the basis of buyer's behavior.
15. Describe levels of product concepts
16. Explain the features of supermarket.

GROUP-C

Comprehensive Answer Questions [2×15=30]

Attempt any TWO questions

17. Describe the various channels available to distribute consumer product products. Also explain which channel is useful for what kind of consumer products.
18. Describe the functions of wholesaler for producer and retailers. Describe the seven business concepts.

GLOBAL COLLEGE OF MANAGEMENT

Pre-Board Exam-2069

Grade: XII Subjects: Marketing F.M.: 80
Time: 3 Hrs. P.M.: 32

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