

Sem III :-

IFS \Rightarrow Indian Financial System

$$\text{Any two } 5 \times 2 = 10$$

(English Version)

- 1) Write a short note on Monetary Policy of the RBI.
- 2) Distinguish between Cash Reserve Ratio (CRR) and Open market operations.
- 3) Discuss the importance of LIC in the Indian financial system.
- 4) Explain the concept of Mutual Fund.

(Bengali Version)

- ১) ভারত সংস্থা মুদ্রণ এবং বাণিজ্যিক পরিষেবা করে,
- ২) ক্ষেত্র এবং প্রক্রিয়া করে ক্ষেত্র এবং প্রক্রিয়া করে,
- ৩) প্রতিশ্রুতি প্রতিশ্রুতি করে করে প্রতিশ্রুতি করে,
- ৪) ইন্টারফন (মার্য) (Mutual Fund) কীভাবে কীভাবে ?

FAKIR CHAND COLLEGE
SEMESTER III
GE 3.1. Chg
BUSINESS MATHEMATICS AND STATISTICS
Internal Examination
Full Marks – 10

Answer any five:

$2 \times 5 = 10$

1. The following are the group index numbers and the group weights of an average working class family's budget. Find the cost of living Index Number.

GROUP	INDEX NO.	WEIGHT
Food	352	48
Fuel	220	10
Clothing	230	8
Rent	160	12
Miscellaneous	190	15

- a) 276.4
 b) 284
 c) 250
 d) 275.6
2. If $C_r^n : C_{r+1}^n = 1:2$ and $C_{r+1}^n : C_{r+2}^n = 2:3$, then the values of n and r are
 a) n=14, r=4
 b) n=10, r=4
 c) n=5, r=4
 d) n=14, r=5
3. From a set of 17 balls marked 1,2,3,...,16,17, one is drawn at random. What is the chance that its number is a multiple of 3 or 7?
 a) $\frac{3}{17}$
 b) $\frac{10}{17}$
 c) $\frac{7}{17}$
 d) $\frac{4}{17}$
4. The coefficient of a^{-11} in the expansion of $\left(5a^3 - \frac{2}{a^2}\right)^{13}$ is
 a) 36658000
 b) 36608410
 c) 36668000
 d) 36608000

5. The following data are given for the two attributes A and B; $(AB)=8$, $(A)=18$, $(\alpha\beta)=5$ and $N=35$, then the Coefficient of Association between A and B is
- a) 0.3
 - b) -0.5
 - c) -0.3
 - d) 0.5
6. If $2\log_8 N = p$, $\log_2(2N) = q$ and $q - p = 4$, then the value of N is
- a) 500
 - b) 475
 - c) 512
 - d) 487
7. How many odd numbers each lying between 100 and 1000 can be formed with the digits 2,0,3,4,5 (no digit being repeated)?
- a) 18
 - b) 19
 - c) 17
 - d) 13
8. If $A = \{x: x \text{ is a multiple of } 3 \text{ in } 1 \leq x \leq 12\}$, $B = \{x: x \text{ is an even number in } 1 \leq x \leq 12\}$ and $C = \{x: x \text{ is an odd number in } 1 \leq x \leq 12\}$, then $(A \cup B) \cap C$ is
- a) {3,1}
 - b) {3,1,9}
 - c) {9,2}
 - d) {3,9}
9. In what time will a sum of money treble itself at 8% Compound Interest? [$\log 1.08 = 0.03342$; $\log 3 = 0.47712$]
- a) 14 yrs
 - b) 14.28 yrs
 - c) 14.82 yrs
 - d) 13.50 yrs
10. If $n = 10$, $\sum x = 140$, $\sum y = 150$, $\sum(x - 10)^2 = 180$, $\sum(y - 15)^2 = 215$ and $\sum(x - 10)(y - 15) = 60$, then the approx value of Coefficient of Correlation is
- a) 0.79
 - b) 0.57
 - c) 0.80
 - d) 0.89

Fakir Chand College
Internal Assessment, 2021
B.Com (Gen) Semester-III
Subject- Financial Accounting II

Full Marks: 10

Time: 30 mins

Answer any one from the following: $1 \times 10 = 10$

1. A, B and C are in partnership, sharing profits in the ratio of 3:2:1 and preparing their accounts to 30th June each year. At 1.7.2019, their capital accounts showed the following balances:

A-Rs3,35,000; B- Rs 2,80,000 ; C- Rs3,10,000

On 31.12.2019, A retired and D is admitted into the partnership. He introduced Rs2,00,000 as capital and also paid Rs1,50,000 as premium for goodwill. The new profit sharing ratio among B, C and D became 2:1:1 respectively.

The following adjustments are required to arrive at the amount due to A:

- a. The value of goodwill was agreed to be worth Rs6,00,000
- b. Fixed assets are to be revalued upwards by Rs3,00,000
- c. The net profit for the year ended 30.06.2020 was Rs4,00,000 (agreed to accrue evenly) before allowing for the following-
 - i. Bad debts of Rs50,000 relating to the first half to be written-off
 - ii. A left the amount due to him as a loan and received interest@10% p.a. for the half year ended 30.06.2020.

The interest was paid to him on 30.06.2020

Partners' drawings during the year were:

A Rs60,000 (all before 31st December); B Rs60,000 (Rs30,000 in each half year)

C Rs40,000 (Rs20,000 in each half year); D Rs25,000 (all after 31st December).

Prepare Profit and Loss Appropriation Account for the year ended 30.06.2020 and the Partners' Capital Accounts.

2. On 1st January, 2017 B. Biswas & Co purchased one machine from Bimal Trading Corporation on Hire Purchase System and paid Rs1000 on the date of agreement and the balance in three instalments of Rs3,000, Rs2,600 and Rs2,400 in three subsequent years. Each instalment consists of interest on the unpaid capital plus an equal part of the capital sum. Calculate the cash price of the machine and the total amount of interest paid by B. Biswas & Co and also show the Vendor's Account in Hirer's books.
3. X Company with their head office in Kolkata invoiced goods to their Hyderabad Branch at 10% less than the list price, which is cost plus 100% with the instruction that cash sales are made at invoice price and credit sales at list price. From the following information prepare Branch Stock Account (in two columns), Branch Profit & Loss Account and Branch Debtors Account for the year ended 31.12.2019.

	Rs
Stock on 1.1.19 (at Invoice price)	24,000
Debtors on 1.1.19	10,000
Goods received from H.O. (at Invoice price)	2,64,000
Goods returned to H.O. (at Invoice Price)	2,000
Cash Sales	92,000
Credit Sales	2,00,000
Cash received from Debtors	1,71,268
Expenses at Branch	34,732
Remittance to H.O.	2,40,000
Debtors on 31.12.19	48,732
Stock on 31.12.19 (at Invoice Price)	35,200

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Internal Assessment, 2021
B.Com (Hons) Semester-III
Subject- Financial Accounting II

Full Marks: 10
Time: 30 mins

Answer any one from the following: $1 \times 10 = 10$

1. A, B, C and D have been carrying on business in partnership sharing profits and losses in the ratio of 3:2:1:1. They decide to dissolve the partnership on the basis of the following Balance Sheet as on 30th April 2020.

Liabilities	Rs
Capital a/c A	50,000
Capital a/c B	30,000
Capital Reserve	7,000
General Reserve	28,000
Trade Creditors	10,000
Mortgage Loan	40,000
	<hr/>
	1,65,000
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Assets	
Premises	60,000
Furniture	20,000
Stock	50,000
Debtors	20,000
Cash	4,000
Capital overdrawn: C	5,000
Capital overdrawn: D	6,000
	<hr/>
	1,65,000
	<hr/>

- a. The realizations were: Debtors Rs12,000; Furniture Rs8,000; Stock Rs30,000; and Premises Rs45,000.
- b. Expenses of dissolution amounted to Rs2000

- c. Further creditors of Rs6000 had to be met.
- d. General reserve unlike Capital Reserve was built up by appropriation of profits.

You are required to draw up the Realisation Account, Partner's Capital Account and Cash Account assuming that C became insolvent and nothing was realised from his private estate. Apply the principles laid down in Garner Vs Murray.

2. Star Pvt Ltd was incorporated on 1st March, 2017 to acquire a running business with effect from 1st January, 2017. The purchase consideration was agreed at Rs90,000 to be satisfied by issue of:

The following Statement of Profit and Loss for the year ended 31st December, 2017 is presented to you-

	Rs		Rs
Staff Salary	12,000	Gross Profit	80,000
Selling & Distribution Expenses	6,000		
Rent and Rates	4200		
Debenture Interest	3600		
Bad Debt (there was no cash sale)	1000		
Preliminary expenses	25,000		
Interest on Purchase consideration	2,250		
Balance	25,950		
	<hr/> 80,000		<hr/> 80,000

You obtain the following additional information:

- a. Sales for the year was Rs4,00,00 whereas sales incurred by the Company after incorporation was Rs3,00,000
- b. The shares and 8% Debentures were issued to the Vendor on 1st April, 2017.
- c. Interest at 10% per annum was paid on the purchase consideration from 1st January, 2017 to the date of payment.

Prepare a Statement showing the amount of profit made before and after incorporation.

3. Seema Agency purchased three trucks from Vishal Automobiles Ltd on 1.1.2017, under hire purchase agreement. The cash price of each truck is Rs1,50,000. According to the terms and conditions of Vishal Automobiles Ltd 10% of cash price is to be paid on

delivery and balance cash price in three equal yearly instalments payable at the end of each year together with interest @ 10% p.a.

Seema Agency writes off 20% depreciation on straight line method. Seema Agency paid the first and second instalment in due time but failed to pay the last instalment due on 31.12.2019.

Vishal Automobiles Ltd agreed to leave two trucks with Seema Agency and take back the third one, adjusting the value against amount due. The returned truck being valued @ 30% depreciation on diminishing balance method.

Vishal Automobiles Ltd sold the re-possessed truck for Rs45,000 in cash on 7.1.2020 after incurring repairing expenses of Rs8,000.

Show Truck Account and Vishal Automobiles Ltd Account in the books of Seema Agency and Re-possessed Truck Account in the books of Vishal Automobiles Ltd to give effect to the above transactions.

Fakir Chand College

B.COM SEMESTER-III HONS / GENERAL EXAMINATION 2020

INTERNAL EXAMINATION

SUBJECT: INFORMATION TECHNOLOGY

PAPER-SEC 3.1Chg

FULL MARKS: 10

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|--|--------|
| 1. Answer any Five | 5x2=10 |
| a) What do you mean by Transaction Processing System (TPS)? | |
| b) Write down full form of HTML and FTP . | |
| c) Write down length of IPv4 , IPv6 . | |
| d) What do you mean by Data Warehouse ? | |
| e) What do you mean by Primary key ? | |
| f) What is URL? | |
| g) Write down name of any two Computer Virus? | |
| h) What is Phishing? | |

N.B:-All students are requested to send their answer scripts in PDF form

to this mail id : data2informations@gmail.com

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