B.Com (Hons. / General)(Under C.B.C.S System)
Internal Examination -2021
Semester-III
Subject-Information Technology & Its Application in Business
Paper Code- SEC 3.1 Chg

Answer any ten   10X1=10

1. Length of IPV4 is
    i.   8bit   ii. 16 bit   iii. 32 byte   iv. 32 bit

2. Which of the following is not a web browser
    i.   Google chrome   ii. Mozila Firefox.   iii. Opera Mini   iv. Google.com

3. FTP is acronym of………………
    i.   File Transfer Protocol   ii. File Transmission Protocol
    iii.   File transport Protocol iv. Funds Transfer Protocol

4. Which of The following is not an Anti-virus ..
    i.   Quick Heal   ii. Nortan   iii. Kaspersky   iv. Trojon Horse

5. IP stands for
    i.   Internet Protocol   ii. Intranet Protocol   iii. Internet Provider
    iv. Incoming Package

6. Full form of URL?
    i.   Uniform Resource Locator   ii. Uniform Resource Location.
    iii.   Uniform Research Location   iv. None of The Above

7. When you enter text in a cell in Excel. It also appears in the
    i. Status bar   ii. Formula bar   iii. Row heading iv. Name box

8. What is the Short cut key used for COPY in MS Office?
    i.   Ctrl +S   ii. Ctrl +C   iii. Ctrl +X   iv. Ctrl+V

9. What is the Short Cut Key you can press to create a copyright Symbol?
    i.   Alt + Ctrl +C   ii. Alt + Ctrl +A   iii. Alt + Ctrl +X   iv. Shift + Ctrl +C

10. What is a valid version of MS Excel?

    i. MS Excel 2007 ii.MS Excel 20.16 iii.MS Excel XP iv. MS Excel 20.0.1

11. Which of the following is a Search Engine ?
    i.   Internet ii. Bing.com iii. Skype iv. Acrobat Reader

12. Extension of Ms Power point File is….
    i.   .PPTX ii. .DOCX iii. .XLSX iv. .PNG

FAKIR CHAND COLLEGE
B.COM (Honours & General)
SEMESTER III
Paper Code- GE 3.1Chg
Subject- BUSINESS MATHEMATICS AND STATISTICS
Internal Examination,2021

Full Marks – 10

Answer the following questions: $2 \times 5 = 10$

1. If the 21st and the 22nd terms in the expansion of $(1 + x)^{44}$ are equal, find the value of x.
   a) 1/8
   b) 7/8
   c) 1/7
   d) 8/7

2. The population of a country increases every year by 2.4% of the population at the beginning of that year. In what time will the population double itself (answer to the nearest year) ?
   a) 20
   b) 30
   c) 17
   d) 29

3. If $\log_{10} 2 = 0.3010$, then the value of $\log_{10} 8$ is
   a) 0.9030
   b) 9.030
   c) 9030
   d) 90.30

4. If Laspeyres' and Paasche's price index numbers are 125.6 and 154.3 respectively, then the Fisher's Ideal Price Index Number is
   a) 121.4
   b) 13.21
   c) 124.7
   d) 139.2

5. The probability of drawing either a spade or an ace from a pack of 52 cards is
   a) 8/13
   b) 12/13
   c) 4/13
   d) 1/13

Answer any one question

1. P.O. Ltd. Calcutta, started a branch in Bombay on 1st April, 1983 to which goods were sent at 20% above cost. The branch does not maintain double entry books of account and necessary accounts relating to branch are maintained in H.O. Following further details are given for year ended on 31st March, 2020

Cost of goods sent to Branch	Rs 50,000
Goods received by Branch till 31st March, 2020 at invoice price	Rs 54,000
Credit sales for the year	Rs 58,000
Debtors as on 31st March, 2020	Rs 20,800
Bed Debts and Discount written off	Rs 200
Cash remitted to H. O.	Rs 43,000
Cash in hand at Branch on 31st March, 2020	Rs 2,000
Cash remitted by H.O. to Branch during the year	Rs 3,000
Closing stock at Branch (at invoice price)	Rs 6,000
Expenses incurred at Branch	Rs 12,000

Determine the Profit or Loss of the Branch for the year ended on 31st March, 2020, according to Stock and Debtors system in the books of the Head Office. **(10)**

2. R, S and K were partners in a firm sharing profits and losses in the ratio of 5:3:2. On March 31, 2020 their Balance Sheet was as follows:

Liabilities	Rs	Assets	Rs
Sundry Creditors	40000	Furniture	8000
Loan Accounts		Stock	52000
R	16000	Debtors	64000
S	12000	Cash and Bank	4000
Capital Accounts			
R 30000			
S 24000			
K 6000	60000		
	128000		128000

The firm was dissolved on April 1, 2020. The assets were realised as follows:

2020	Stock	Debtors	Furniture	Expenses
April 30	12000	10000	3000	1000
June 30	12000	10000	____	1600
July 31	16000	30000	4000	3000
August 31	10000	4000	____	1000

Cash received was paid to the rightful claimant at the end of each month.
Prepare a statement showing distribution of cash using Surplus Capital Method. **(10)**

[*the allotted marks include 4 for showing the calculation for absolute surplus*]

3. i) A acquired on 1st January, 2021 a machine under a Hire-Purchase agreement which provides for 5 half-yearly instalments of Rs 6,000 each, the first instalment being due on 1st July, 2021. Assuming that the applicable rate of interest is 10 per cent per annum, calculate the cash value of the machine. All working should form part of the answer.

ii) X and Y are partners sharing profits in the ratio of 4:3. On 1 April 2018, they admitted Z as partner. Z brought in Rs 1,00,000 for his capital and Rs 21,000 for 1/3rd share of goodwill premium. On Z's admission, goodwill appeared in the books of the firm at Rs 28,000. Pass journal entries. **(5+5)**