[5803]-101

First Year B.B.A. (Computer Application)
CA-101 : BUSINESS COMMUNICATION SKILLS
(2019 CBCS Pattern) (Semester -I)

Time : 2½ Hours]   *[Max. Marks : 70*
Instructions to the candidates:
   1) ***All questions are compulsory.***
   2) ***Figures to the right indicate full marks.***

Q1) A)   Fill in the blanks (Attempt any five out of Six):   **[5]**

    a)   The term "communis" derived from_____word.

       i)   Greek   ii)   Latin

       iii)   Chinese   iv)   English

    b)   Communication means _____ information, feeling and thoughts, with others.

       i)   To receive   ii)   Exchange of

       iii)   Conveying   iv)   All of the above

    c)   _____ should not be included in the physical appearance of the Business letter.

       i)   Margin   ii)   Date

       iii)   Folding   iv)   Typing

    d)   The purpose of interview is to assess the_____.

       i)   Candidate   ii)   External personality.

       iii)   Background   iv)   Status

    e)   Video conferencing makes it easier to access expert in_____.

       i)   Medical Environment   ii)   Medical storage

       iii)   Medical stock   iv)   Relevant

    f)   Voicemail is also known as_____.

       i)   Voice male   ii)   Voice bank

       iii)   Voice tank   iv)   Voice communication

B) Match the following: **[5]**

1)	External Communication	a)	Direct Communication
2)	Presentation requires	b)	Official communication
3)	Memo	c)	Inward or outward communication
4)	Gesture	d)	The media through which message is conveyed
5)	Channel	e)	Right attitude

C) True or False (Attempt any four out of five) **[4]**

a) Grapevine communication is associated with Horizontal communication.

b) Voice mail is a computer based system.

c) Orders and directives are the example of downward communication.

d) Warren Buffet invented the WhatsApp.

e) When business letter is written in brief it is said that it has followed the principle of consciousness.

Q2) Short Answer (Attempt any three out of four) **[3×8=24]**

a) Explain in detail the Need for effective communication.

b) Write is Non-Verbal communication. State importance & Merits Non-Verbal communication.

c) Explain Need of Business correspondence in detail.

d) Write short note on tele conferencing with merits and demerits.

Q3) Long answer (Attempt any two out of four) **[2×16=32]**

a) Define communication. Explain barriers of communication and suggest the remedies to overcome the barriers.

b) What is Oral communication? Differentiate between oral and written communication.

c) Explain written communication? Explain types of written communication in detail with their merits.

d) State and explain different media of communication in detail.

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[5803]-102
First Year B.B.A.
CA-102 : PRINCIPLES OF MANAGEMENT
(CBCS 2019 Pattern) (Semester -I)

Time : 2½ Hours]   *[Max. Marks : 70*
Instructions to the candidates:
  1)   All questions are compulsory.
  2)   Figure to the right indicate full marks.

Q1) a)   Fill in the blanks (any 5).   **[5 × 1 = 5]**

   i)   _____ is concerned with study of movement of workers, Parts, materials and eliminates unnecessary movements.

   ii)   _____refers to centralised control in decentralised structure

   iii)   _____referes to issuing orders & instructions to subbordinates

   iv)   The achievement motivation theory was given by_____

   v)   _____means diffusion of Authority

   vi)   _____ is a sequence of suddenly disturbing events which have negative impact on organisation.

   b)   Match the following.   **[5×1=5]**

	A		B
i)	Change	a)	Hierachy of needs
ii)	Evolution of management	b)	Art of getting things done
iii)	Motivation	c)	results from stimuli
iv)	Planning	d)	Schools of thought
v)	Management	e)	countinuous in Nature

P.T.O.

c)   State True of False.   [4×1=4]

    i)   Problem solving teams are temporary in nature.

    ii)   The third function of management is directing.

    iii)   Scientific management is based on the principles of direction.

    iv)   Forecasting is subset of planning.

    v)   Simulation refers to how a company with limited resources make optimum use of resources.

Q2) Answer any 3.   [3×8=24]

    a)   Explain principles of direction.

    b)   Elaborate on role of managers in management.

    c)   What are the various causes of Workstress?

    d)   Explain relation between planning and decision making.

Q3) Answer any 2.   [2×16=32]

    a)   Explain & define forecasting. Explain techniques of forecasting with diagram.

    b)   Explain 14 principles of management by Henry Fayol.

    c)   What is management? Explain various functions of management.

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[5803]-103

First Year B.B.A. (C.A.)
CA-103 : C LANGUAGE
(CBCS 2019 Pattern) (Semester -I)

Time : 2½ Hours]   *[Max. Marks : 70*
Instructions to the candidates:
    1)   *All questions are compulsory.*
    2)   *Figures to the right indicate full marks.*
    3)   *Questions : Total Number of Questions are : 5*

Q1) Attempt any Eight of the following (Out of Ten)   **[8×2=16]**
    a)   Define identifier.
    b)   Explain continue statement.
    c)   Define for loop.
    d)   What is C character set?
    e)   Define Associativity.
    f)   Define if-else statement?
    g)   Define printf()
    h)   What do you mean by static variable?
    i)   Define pointer in C.
    j)   Give the syntax of malloc()

Q2) Attempt any four of the following (Out of Five)   **[4×4=16]**
    a)   Differentiate between entry control and exit control loop.
    b)   Define structure. Give suitable example.
    c)   What is a 1-D Array? How to represent 1 D array in memory.
    d)   Write an algorithm and draw flow chart to find minimum of two numbers.
    e)   Write a program to find the sum of digits of a number using function.

Q3) Attempt any Four of the following (Out of Five).   **[4×4=16]**
    a)   Define operator. List and explain any four categories of operators in C.
    b)   What is string? Explain any four functions of string.
    c)   Explain call by value and call by reference with example.
    d)   Write a program to find the given number is armstrong or not.
    e)   Write a C program to add two matrices.

Q4) Attempt any Four of the following (Out of Five) **[4×4=16]**

    a) What is function? Explain types of function.

    b) What is storage class? Explain types of storage classes.

    c) Explain switch statement with example.

    d) Write a program to print Fibonacci series up to n numbers.

    e) Trace the output

        i) int main()

```
{
  char str 1[]="Hello";
  chr str2[]="Hello";
if(str1= =str2)
printf("string are equal");
else
printf("string are not equal");
getch();
}
```

        ii) int main()

```
 {
float a[]={12.4,2.3,5.6,7.8};
printf("%d',sizeof(a)/sizeof(a[0]));
getch();
 }
```

Q5) Write a short note on any two of the following (Out of Three) **[2×3=6]**

    a) strcat()

    b) *Data type*

    c) break statement

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[5803]-104

First Year B.B.A. (CA)

CA-104 : DATABASE MANAGEMENT SYSTEM

(CBCS 2019 Pattern) (Semester -I)

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to the candidates:

1) All questions are compulsory.

2) Figures to right indicate marks.

Q1) Attempt any Eight of the following: **[16]**

   a) Enlist four basic file operations.

   b) Define Data and Information.

   c) Define the term Cardinality.

   d) Explain the use of COUNT () with example.

   e) What is Insertion Anomaly?

   f) Write two categories of Data Models.

   g) Explain character data type of SQL.

   h) Define Candidate key.

   i) Write two advantages of Sequential file organization.

   j) Define Functional Dependency.

Q2) Attempt any Four of the following: **[16]**

   a) Explain sequential file organization.

   b) Write a note on Data Dictionary

   c) Explain object oriented model.

   d) Explain aggregate function in SQL with example.

   e) List various DDL command. Explain any one with example.

Q3) Attempt any Four of the following: **[16]**

    a)   Consider the following Entities and Relationships & solve the queries:

        Department (dept_no, dept_name, location)

        Employee (emp_no, emp_name, address, salary, designation)

        Relation between Department and Employee is **One to Many**

        Constraint: Primary key, salary should be > 0

        •   Find total salary of all computer department employees.

        •   Find the name of department whose salary is above 10000.

    b)   Consider the following Entities and Relationships & solve the queries:

        Book (Book_no, title, author, price, year_published)

        Customer (cid, cname, addr)

        Relation between Book and Customer is **Many to Many**.

        Constraint: Primary key, price should be >0.

        •   Display author wise details of book.

        •   Display customer name that has purchased more than 3 books.

    c)   Consider the following Entities and Relationships & solve the queries:

        Musician (mno, mname, addr, phno)

        Album (title, copy_right_date, format)

        Relation between Musicians and Album is **One to Many**.

        Constraint: Primary key.

        •   Display all albums composed by 'A R Rehman'.

        •   Display musician details who have composed Audio album.

    d)   Consider the following Entities and Relationships & solve the queries:

        Sailor (sid, sname, age)

        Boats (bid, bname, color)

        Relation between Sailer and Boats is **Many to Many**

Constraint: Primary key, age should be > 0.

- Display details of all boats sailed by sailor 'Ram'.

- Display Sailor names working on blue boat.

e) Consider the following Entities and Relationships & solve the queries:

Account (ano, branchname, balance)

Customer (cust_no, cust name, street, city)

Relation between Account and Customer is **Many to Many.**

Constraint: Primary key, balance should be > 500.

- Display customer details with balance between 100000 and 200000.

- Display customers having more than two accounts in Chinchwad branch.

Q4) Attempt any Four of the following: **[16]**

a) Explain dense index and sparse index.

b) Explain with example the Degree of Relationship Set

c) Explain the following aggregate functions:

i) SUM()

ii) MIN()

d) Consider the following Entities and Relationships & solve the queries:

Property (pno, desc, area, rate)

Owner (owner_name, addr, phno)

Relation between owner and Property is **One to Many.**

- Display property owned by Mr.Patil'.

- Display all properties with owner name that located in Chinchwad area.

e)   Consider the following Entities and Relationships & solve the queries:

    Branch (bname, bcity, assets)

    Loan (loan no, amount)

    Relation between Branch and Loan is **One to Many**

- Display total loan amount given by ABC branch.
- Find the name of branch that have assets located in Mumbai.

Q5) Write short notes on any Two of the following: **[6]**

a)   Advantages and Disadvantages of RDBMS.

b)   Normalization

c)   Generalization in ER Modelling.

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[5803]-105

F.Y. B.B.A.(CA)

CA 105 : BUSINESS STATISTICS

(2019 Pattern) (Semester - I)

Time : 2½ Hours] *[Max. Marks : 70*

Instructions to the candidates:

1) *All questions are compulsory.*

2) *Figures to the right indicate full marks.*

3) *Notations and abbreviations have their usual meaning.*

4) *Simple calculator is allowed.*

Q1) A) Fill in the blanks : **[10]**

i) _____ makes clear presentation of data.

ii) _____ is a value which is typical or representative of a set of data.

iii) _____ is a statistical tool used to measure the relationship between two sets of variables.

iv) _____ is the simplest absolute measure of dispersion which shows the difference between the highest and the lowest value in a series.

v) $\dfrac{\sigma}{\overline{X}} \times 100$ = _____.

B) True or false : **[6]**

i) The sum of all the observation divided by Number of observation is mean.

ii) The value of correlation coefficient in perfect degree lies between +1 and –1.

iii) Cumulative frequency polygon is also called absicca.

Q2) Attempt any 4 out of 6 : **[16]**

a) Write meaning and definition of statistics. Explain the importance of statistics.

b) Calculate combined mean for the following data :

$N_1 = 50$ $N_2 = 40$

$\overline{X}_1 = 63$ $\overline{X}_2 = 54$

c) Find standard deviation : 8, 10, 15, 24, 28.

d) Prepare Histogram from the following data :

X :   5   10   15   20   25

f :   10   20   30   10   05

e) The coefficient of correlation between two variable X, Y is 0.6. Their covariance is 18. The variance of X is 25. Find variance of Y series.

f) From the following data calculate Quartile Deviation X = 4, 9, 14, 19, 24, 29, 34, 39, 44, 49 and 54.

Q3) Attempt any 4 : **[16]**

a) Explain the properties of Karl Pearson's coefficient of correlation.

b) Calculate Mean, Median and Mode for :

12, 13, 15, 12, 17, 12, 13

c) The following is the distribution of height of students in a class of secondary school.

Height in cm :   130-134   135-139   140-144   145-149   150-154   155-159

No. of students :   5   15   28   24   17   11

i) State the type of classification.

ii) Find the class mark of 3rd class.

iii) How many students have height less than 145 cm?

iv) How many students have more than 150 cm height?

d) What is the meaning of classification? Define its various types.

e) Construct the frequency distribution table for the data on weights (in kg) of 20 students of a class using intervals 30-35, 35-40, and so on

40, 38, 33, 48, 60, 53, 31, 46, 34, 36, 49, 41, 55, 49, 65, 42, 44, 47, 48, 39.

f) Find average wages of 10 workers :

Daily wage : (in ₹)	4	6	10	11	14	Total
No. of workers :	2	1	4	2	1	10

Q4) Attempt any four : **[16]**

a) Find median for average life of a particular brand of T.V. sets from the following data :

Life in years :	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40
No. of sets :	2	16	26	39	43	21	8	4

b) Calculate coefficient of variation of the following data :

Weekly Rent : (in ₹)	400	700	800	950	1000	1200	1450
No. of Persons Paying the Rent :	11	13	34	39	18	8	2

c) Find combined standard deviation :

Group I - $\bar{X}_1 = 2100$ $n_1 = 100$ $\sigma_1 = 10$

Group II - $\bar{X}_2 = 1500$ $n_2 = 200$ $\sigma_2 = 12$

d) Explain the methods of calculation of Arithmetic mean.

e) The following information is given to find the two regression lines

   i) Y on X

   ii) X on Y

   $\bar{X} = 10, \bar{Y} = 90, \sigma_x = 3 \ \sigma_y = 12$ and $\gamma = 0.8$.

f) Calculate Karl Pearson's coefficient of correlation for the following data :

X :	4	7	11	14	19	15
Y :	18	16	17	19	19	21

Q5) Attempt any one : [6]

   a)   Draw the less than and greater than Ogives for the following data :

Class Interval	Frequency
20-30	04
30-40	06
40-50	13
50-60	25
60-70	32
70-80	19
80-90	08
90-100	03

   b)   From the data given below, find the regression equations :

Marks   : 25   28   35   32   31   36   29   38   34   32
(Economics)

Marks   : 43   46   49   41   36   32   31   30   33   39
(Statistics)

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