GVM's GGPR College of Commerce & Economics,
Farmagudi- Ponda, Goa.
B.C.A. (Semester IV) Intra Semester Assessment (ISA) I- Test,
January 2019
TECHNICAL WRITING SKILLS

<u>Duration: 45 minutes</u>   <u>Marks: 15</u>

Q.1) Attempt **ANY ONE** of the following :-   (8 Marks)

   A. You are Aisha/Ehsaan Ahmed residing at Rima Villa , Varca-Goa. Being the cultural secretary of Rosary College of Arts and Science-Margao , draft a letter to ask permission from the principal to start a new cultural feast in the college. (**DO NOT** exceed one page)

   B. You are Charusheela/Charan Sinha residing at Shantinagar , Ponda. Draft a personal letter to your student , Trisha/Tarun Varma , asking her about her health conditions as he/she is absent due to illness who lives in Kurti , Ponda-Goa. (**DO NOT** exceed one and half a page)

Q.2) Attempt **ANY ONE** of the following :-   (7 Marks)

   A. Draft a job application letter for the post of assistant professor of English coded **E01-Contract basis** for Sathe College of Arts , Commerce and Science published in The Times Of India dated 19th April 2019. You are P. Hardika/Harshad from Borivali , Mumbai − Maharashtra.

   B. Draft a letter of resignation from the post of General Manager of Suzuki due to inadequate salary. You are Maheshwar/Madhavi Karpe residing at MIDC complex , Kudal , Konkan.

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DATA ANALYSIS AND STATISTICAL TECHNIQUES

Duration: 45 minutes   Marks: 15

Answer ANY 3 of the following questions.   **(5×3=15)**

Q 1. Calculate the median and mean for the distribution of the weights of 150 students from the data given below.

Weight(in kg)	30-40	40-50	50-60	60-70	70-80	80-90
Frequency	18	37	45	27	15	8

Q 2. Following distribution gives the pattern of overtime work per week done by 100 employees of a company. Calculate Q_1 and D_7.

Overtime hours	10-15	15-20	20-25	25-30	30-35	35-40
No. of employees	11	20	35	20	8	6

Q 3. Draw the ogive for the distribution and use it to determine the median wage of a worker and verify the result by formula.

Weekly Income(Rs.)	Below 550	550-600	600-650	650-700	700-750	750-800	Above 800
No. of employees	6	10	22	30	16	12	15

Q 4. You are given the data pertaining to kilowatt hours of electricity consumed by 100 persons in Delhi. Calculate the standard deviation.

Consumption(kilowatt hrs)	0-10	10-20	20-30	30-40	40-50
No. of users	6	25	36	20	13

Q 5. Calculate the standard deviation from the following data.

Profits	Less than 10	Less than 20	Less than 30	Less than 40	Less than 50	Less than 60
No. of companies	8	20	40	70	90	100

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MANAGEMENT FUNCTIONS

Duration: 45 minutes   Marks: 15

Q.1 Explain any four Objectives of M.B.O.   (3MKS)

Q.2 State and Explain any two types of Planning.   (3MKS)

Q.3 What is Management by Objectives?   (2 MKS)

Q.4 Explain the Planning Process.   (5MKS)

Q.5 Planning is an Intellectual Activity. Explain the statement.   (2 MKS)

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SOFTWARE ENGINEERING - I

Duration: 45 minutes   Marks: 15

1. Define Software.   1mks

2. Explain Motivation and Challenges of Software engineering.   4mks

3. Define Process, Product and Project.   3mks

4. Explain with neat diagram Software Development Life cycle.   5mks

5. Why waterfall model fails?   2mks

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B.C.A. (Semester IV) Intra Semester Assessment (ISA) I- Test,
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COMPUTER NETWORKS

Duration: 45 minutes   Marks: 15

1. State and Explain Types of Data Communication.   (03)

2. With the help of diagram explain Ring Topology.   (03)

3. State and briefly explain responsibilities of Data Link Layer.   (02)

4. Explain the following: (02)

   a. ICMP

   b. Port Address

5. What are Twisted Pair Cables? State and Explain types of Twisted Pair Cables.
   (04)

6. State different Types of Unguided Media   (01)

G.V.M's G.G.P.R. College of Commerce and Economics

Farmagudi, Ponda-Goa.

B.C.A. (Semester II) Intra Semester Assessment (I.S.A.) Test-I January 2019

OPERATING SYSTEM CONCEPTS

Duration:- 45 minutes   Marks:- 15

ANSWER THE FOLLOWING :-

1. What are the contents of CPU scheduling information ?   (2 mks)

2. What is the relationship between Kernel, Operating System and
   Hardware ?   (2 mks)

3. Explain – "Resident Monitor is a software always in Memory".   (3 mks)

4. Explain the Process State with the Diagram.   (4 mks)

5. Explain the Evolution of the Operating System.   (4 mks)

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