



Reg. No. : .....

Name : .....

**Second Semester M.Com. Degree Examination, August 2016**  
**Paper – III : CO 223 : QUANTITATIVE TECHNIQUES**  
**(2014 Admission)**

Time : 3 Hours

Max. Marks : 75

**SECTION – A**

Answer the following questions in **two** or **three** sentences. **Each** question carries 2 marks. **(2×10=20 Marks)**

1. Define Poisson distribution.
2. Find out  $n$ ,  $p$  and  $q$  when the mean of a binomial distribution is 99 and standard deviation is 9.
3. What is point estimate ?
4. What is hypothesis testing ?
5. Define Rejection region.
6. What are the statistical tools available in SPSS for comparing the means of the samples ?
7. How to enter data in to SPSS ?
8. What is one-tailed test ?
9. What are the commonly used measures of dispersion in SPSS ?
10. What are non-parametric tests ?

**SECTION – B**

Answer any five of the following questions : **(5×5=25 Marks)**

11. A wholesale distributor of fertilizer products finds that the annual demand for one type of fertilizer is normally distributed with a mean of 120 tonnes and standard deviation of 16 tonnes. If he orders only once a year, what quantity should be ordered to ensure that there is only a 5 percent chance of running short ?

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12. Explain the characteristic of binomial distribution.
13. In a sample of 1000, the mean is 17.5 and the standard deviation is 2.5. In other sample of 800, the mean is 18 and the standard deviation is 2.7. Assuming that the samples are independent, discuss whether the two samples could have come from a population which have the same standard deviation.
14. Explain the uses of t-distribution.
15. Explain the advantages of statistical control.
16. A machine is set to deliver an item of a given weight. 10 samples of size 5 each were recorded. The relevant data is as follows :
- |                  |    |    |    |    |    |    |    |    |    |    |
|------------------|----|----|----|----|----|----|----|----|----|----|
| <b>Samples :</b> | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
| <b>Mean :</b>    | 15 | 17 | 15 | 18 | 17 | 14 | 18 | 15 | 17 | 16 |
| <b>Range :</b>   | 7  | 7  | 4  | 9  | 8  | 7  | 12 | 4  | 11 | 5  |
- Calculate the values for the central line and the control limits for mean chart and the range chart and then comment on the state of control. (Conversion factor for  $n = 5$  are  $A_2 = 0.58$ ,  $D_3 = 0$ ,  $D_4 = 2.115$ ).
17. In an experiment on pea-breeding, method obtained the following frequencies of seeds : 315 round and yellow, 101 wrinkled and yellow, 108 round and green, 32 wrinkled and green. According to his theory of heredity the numbers should in proportion 9 : 3 : 3 : 1. Is there any evidence to doubt the theory at  $\alpha = 0.05$  level of significance.
18. Obtain the binomial distribution for which mean is 24 and variance is 6.

### SECTION - C

Answer any two of the following questions :

(2×15=30 Marks)

19. The life time of certain kinds of electronic devices have a mean of 300 hours and standard deviation of 25 hours. Assuming that the distribution of these lifetimes, which are measured to the nearest hour, can be approximated closely with a normal curve.
- Find the probability that any one of these electronic devices will have a lifetime of more than 350 hours.
  - What percentage will have lifetimes of 300 hours or less ?
  - What percentage will have lifetime from 220 or 260 hours ?



P0) The following figures relate to the number of units of an item produced per shifts by two workers A and B for a number of days :

A : 19 22 24 27 24 18 20 19 25

B : 26 37 40 35 30 30 40 26 30 35 45

Can it be inferred that workers A is more stable compared to worker B ? Answer using the F-test at 5 percent level of significance.

P1) A plant produces newsprint and rolls of paper. The number of defects disclosed by the inspection of 20 rolls is as follows :

12, 6, 18, 4, 5, 2, 4, 7, 12, 14, 8, 11, 14, 21, 21, 10, 12, 9, 13, 10

Use a chart and comment on the state of control.

P2) How can you process and analyze the data according to the correlation in SPSS ?

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**Second Semester M.Com. Degree Examination, August 2016**  
**Paper V : CO 225 : STRATEGIC MANAGEMENT**  
**(2014 Admission)**

Time : 3 Hours

Max. Marks : 75

**SECTION – A**

**(10x2=20 Marks)**

Answer **all** questions in **two** or **three** sentences. **Each** question carries **2** marks.

1. What is retreat ?
2. Why is it that a firm can normally sustain competitive advantage for only a limited period of time ?
3. What do you mean by market commonality ?
4. Define value chain analysis.
5. What do you mean by experience curve ?
6. What do you mean by turnaround strategy ?
7. What do you mean by inside-out planning ?
8. What is QC in functional strategies ?
9. What is defusion ?
10. Elucidate the term consonance in relation with evaluation of strategy.

**SECTION – B**

**(5x5=25 Marks)**

Answer **any five** questions. **Each** question carries **5** marks.

11. List out the pitfall involved in strategic planning.
12. Explain Porter's five-forces model.

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**Second Semester M.Com. Degree Examination, August 2016**  
**(Paper – II) CO 222 : BUSINESS ETHICS AND CORPORATE**  
**GOVERNANCE**  
**(2014 Admission)**

Time : 3 Hours

Max. Marks : 75

## SECTION – A

(10x2=20 Marks)

Answer **all** questions in **two** or **three** sentences. **Each** question carries 2 marks.

1. Define : Principle of Emancipation.
2. List out the need for business ethics.
3. What do you mean by churning trading ?
4. Elucidate Deceptive Advertising.
5. What is mean by value culture ?
6. Write short note on profession integrity.
7. Define corporate governance as per SEBI.
8. Elucidate rights and equitable treatment of shareholders.
9. What is corporate excellence ?
10. What is constitutionalism ?

## SECTION – B

(5x5=25 Marks)

Answer **any five** questions. **Each** question carries 5 marks.

11. Why should business act ethically ?
12. Explain the types of conflicts of interest at workplace.
13. Briefly explain the reasons for contradicting nature of profit maximization with business ethics.



14. Elucidate the determinants of work ethics.
15. Enumerate the nature of complaints that can be filed under various mandatory regulations of SEBI and Companies Act.
16. Briefly explain the obstacles that act as problem in achieving the objectives of corporate governance.
17. List out the various measures that are involved in the assessment of corporate excellence.
18. Explain the strategies for improving QWL.

**SECTION – C**

**(2×15=30 Marks)**

Answer **any two** questions. Each question carries **15** marks.

19. Discuss the factors influencing corporate culture.
  20. Critically examine the Ackerman's model of social responsibility.
  21. Give a brief account of different theories that gave rise to corporate governance.
  22. Critically examine the various constituents of QWL.
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**Second Semester M.Com. Degree Examination, August 2016**  
**Paper – I : CO 221 : E-BUSINESS AND CYBER LAWS**  
**(2014 Admission)**

Time : 3 Hours

Max. Marks : 75

**SECTION – A**

Answer all questions in two or three sentences. Each question carries 2 marks.

1. Define CCA as given under the IT Act, 2000.
2. Who is a 'Hacker' ?
3. What do you mean by C2C E-Commerce ?
4. Define the term 'digital signature' as in the IT Act, 2000.
5. State the scope of cyber laws in India.
6. What do you understand by 'Password Sniffers' ?
7. What are the key cyber issues addressed by the IT Act, 2000 ?
8. Define the term 'Cyber terrorism'.
9. What do you understand by 'malware' ?
10. What is 'spamming' ?

(10×2=20 Marks)

**SECTION – B**

Answer any five questions. Each question carries 5 marks.

11. Identify the major academic disciplines contributing to E-Commerce research.
12. Describe the salient features of IT (Amendment) Act, 2008.

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13. Explain the importance of Sec. 66A of IT Act, 2008.
14. Explain the different forms of hacking.
15. Identify the unique features of e-commerce technology and discuss their business significance.
16. List out the factors that will define E-commerce in future.
17. Define EDI and state its key features.
18. Discuss the emerging trend in cyber laws. **(5x5=25 Marks)**

### SECTION – C

Answer **any two** questions. Each question carries 15 marks.

19. What are the different classes of cyber crimes described in the IT Act, 2000? Briefly explain them.
  20. Define E-Commerce and describe its different categories. Briefly discuss the advantages and disadvantages of E-Commerce.
  21. Explain the design and development of a secure cyber space and the strategies for its successful implementation.
  22. Discuss the main features of supply chain management. **(2x15=30 Marks)**
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**Second Semester M.Com. Degree Examination, August 2016**  
**Paper – IV : CO 224 : INTERNATIONAL BUSINESS**  
**(2014 Admission)**

Time : 3 Hours

Max. Marks : 75

**SECTION – A**

**(10×2=20 Marks)**

Answer **all** questions in **two** or **three** sentences. **Each** question carries **2** marks.

1. Explain Exchange Instability.
2. What do you mean by civic minded ?
3. Elaborate the term Regio-centricism.
4. What are known as Intra-corporate transfers ?
5. What do you mean by Transnational Corporation ?
6. What is the main theme of Eclectic theory ?
7. What do you mean by preferential trading ?
8. What is product patent ?
9. Explain contract manufacturing.
10. What is two-tiered pricing ?

**SECTION – B**

**(5×5=25 Marks)**

Answer **any five** questions. **Each** question carries **5** marks.

11. What are the various problems that are involved in internationalizing the business ?
12. What are the various types of macro and micro political risks that arise in international business ?
13. List out the merits of Heckscher-Ohlin theory.

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