1B3N17036

Part I
Answer all questions.

I. Choose the correct answer:

1. The equation $X^2+4=0$ is a ....
   - (a) Quadratic equation
   - (b) Cubic equation
   - (c) Simple equation
   - (d) none of these

2. Find the 7th term of the series 1,4,7...................
   - (a) 22
   - (b) 19
   - (c) 16
   - (d) 25

3. The component of a time series which is attached to short term fluctuations is ....
   - (a) Seasonal variation
   - (b) Cyclic variation
   - (c) Irregular variation
   - (d) all the above.

4. .... is filled by the enumerator.
   - (a) Questionnaire
   - (b) Schedule
   - (c) Questionnaire or schedule
   - (d) All

5. .... Index number is called ideal index number.
   - (a) Kelley's
   - (b) Paasche's
   - (c) Laspeyer's
   - (d) Fishers

II. Fill in the blanks.

6. The sum of the deviations taken from .... is zero.
7. When the upper limit of a class is the lower limit of the next class, the series is known as........
8. A square matrix in which all the elements except those in leading diagonal are zero is called .... matrix.
9. The sum at the end of 2 years for Rs.1000 at 10% p.a, compounded yearly is ....
10. What is the common difference of the AP 4,-8,-20 ....

(10 x 1=10 marks)

Part II (Short Answer Questions)

Answer any **eight** questions

11. What is a pie diagram?
12. What do you understand by classification of data?
13. What is a skew symmetric matrix?
14. What is power set?
15. Explain the term skewness
16. Find median

Marks	: 60-69	50-59	40-49	30-39	20-29	10-19
No. of students	: 13	15	21	20	19	12

17. Solve $5X^2 -125=0$
18. Find the sum of the infinite G.P =4, 2, 1, ...
19. Find the rate of interest per annum if the simple interest on a principal of Rs.5000 is Rs.800 for 4 years.
20. For the following values find Quartile Deviation
    170, 82, 110, 100, 150, 120, 200, 116, 250.

(8 x 2=16 marks)

Part III (Short Essays)
Answer any six questions

21. Define trend. What are the various methods of measuring it?

22. Calculate standard deviation and the coefficient of variation from the following data

Class	: 0-5	5-10	10-15	15-20	20-25	25-30
Frequency	: 6	8	10	15	12	9

23. Among 60 people, 35 can speak in English, 40 in Malayalam and 20 can speak in both the languages. Find the number of people who can speak in at least one of the languages. How many cannot speak in any of these languages?

24. Draw the less than ogive.

Weights (kg)	:10-19	20-29	30-39	40-49	50-59
Frequency	: 7	15	34	18	8

25. The sum of 3 numbers in A. P is 15. If 1,3,9 are added to them respectively, the resulting numbers are in G P. Find the numbers.

26. If A = $\begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \\ -1 & 1 & 2 \end{bmatrix}$ B = $\begin{bmatrix} 0 & 2 & -1 \\ 1 & 3 & 4 \\ 0 & -2 & -3 \end{bmatrix}$ find AB.

27. In Mumbai city ,there are 1000 families. A survey indicated that 300 subscribe to "The Hindustan Times" daily newspaper and 250 subsribe to "The Indian Express" daily newspaper. Of these two categories,100 subscribe to both. Express the data using Venn diagram.

28. A man sells 7 horses and 8 cows at Rs.2940 and 5 horses and 6 cows at Rs.2150. What is the selling price of each ?

(6 x 4=24 marks)

Part IV (Essays)
Answer any two questions

29. Solve $\frac{x}{2} + \frac{y}{3} = 5$

$3x - 2Y = 6$

30. Find the inverse of a matrix A where A = $\begin{bmatrix} 3 & 5 & 7 \\ 2 & -3 & 1 \\ 1 & 1 & 2 \end{bmatrix}$

31. Calculate (1) Laspeyer's (2)Paasche's (3)Fischer's Index Numbers from the following data.

COMMODITY	PRICE		QUANTITY CONSUMED	
	2009	2010	2009	2010
A	0.80	0.70	10	11.0
B	0.85	0.90	8	9.0
C	1.30	0.80	5	5.5

(2 x 15=30 marks)

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester BBA Degree Examination, November 2017

BBIIIA12 - General Informatics

(2016 Admission onwards)

Max. Time: 3 hours   Max. Marks: 80

Part A

Answer all questions.

Each question carries 1 mark.

A. Choose the correct answer:-

1.   The name of the first digital computer is:-

a) IBM 132   b) Mark 1

c) ENIAC   c) APPLE II

2.   Which of the following is not an input device?

a) Light pen   b) MICR

c) VDU   c) Trackball

3.   ----- is the process of coding and scrambling of messages to prevent

unauthorized access to or understanding of data being transmitted.

a) Encryption   b) Firewalls

c) Adware   c) Virus

4.   ------ is a storage location from which software packages may be installed

on a computer.

a) Software Repository   b) Operating system

c) Linux distribution   c) Client Machines

5.   A standard format for exchanging business data between organisations

by electronic means is ------.

a) E-mail   b) E-commerce

c) SMS   c) EDI

B. Fill in the blanks:

6.   The most common computer pointing device is ------.

7.   ------ cards are an integrated circuit that generate an audio signal and

sends it to a computer's speaker.

8.   ------ refers to a code of conduct of safe and responsible behaviour for

the internet community.

9.   The free software foundation was found by -----.

10.   ------ is a legal monopoly granted for a limited time to the owner of an

invention.

(10 x 1=10 marks)

Part B
(Short Answer Questions)
Answer any eight questions.
Each question carries 2 marks.

11.   What is application software ?

12.   What is network ?

13.   What do you mean by Plagiarism?

14.   What is mobile computing?

15.   What is meant by G2E interaction?

16.   What is BRNET?

17.   What are salami attacks?

18.   What is digital divide?

19.   What is DNA computing?

20.   What is meant by instant messaging?

(8 x 2 = 16 Marks)

Part C
(Short Essay Questions)
Answer any six questions.
Each question carries 4 marks.

21.   What are the uses of internet?

22.   Write a short note on Cloud computing.

23.   Explain the major application softwares.

24.   What are the risk factors for internet addiction?

25.   What are the features of NICENET?

26.   What do you mean by Green computing ? What are its advantages?

27.   What are the advantages of Linux?

28.   Briefly explain the role of IT in education.

(6 x 4 = 24 marks)

Part D
(Essay Questions)
Answer any two questions.
Each question carries 15 marks

29.   What is Topology ? Explain various networking topologies.

30.   Define Information Technology? Explain how information technology created new opportunities and threats in industries?

31.   What is EDI ? Discuss its benefits and drawbacks?

(2 x 15 = 30 marks)

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester BBA Degree Examination, November 2017

BBIIIB03 - Business Regulatory Framework

(2016 Admission onwards)

Max. Time: 3 hours   Max. Marks: 80

Part – I

Answer all questions. Each question carries 1 mark.

A. Choose the correct answer from the brackets

1. The Contract Act of 1872 was enacted on
   (a) 25th April 1872
   (b) 25th may 1872
   (c) 25th June 1872
   (d) None of the above

2. Reciprocal contract means
   (a) One side contract
   (b) Bilateral contract
   (c) Trilateral contract
   (d) None of the above

3. The term of office of central consumer protection council shall be
   (a) 4
   (b) 3
   (c) 5
   (d) None of the above

4. An unpaid seller is having right against
   (a) Goods only
   (b) The buyer only
   (c) Both goods and buyer
   (d) None of the above

5. Recisson means the
   (a) Change in one or more terms of the contract
   (b) Acceptance of lesser performance
   (c) Abandonment of right by a party
   (d) Cancellation of the existing contract

B. Fill in the blanks:

6. Fraud is defined in Section--- of Indian Contract Act

7. A minor is liable for the--- supplied to him

8. ….. is a mercantile agent who is appointed to sell goods at a public option

9. Anticipatory breach of contract take place-----

10. An agreement made by a lunatic is….

(10 x 1= 10 Marks)

Part II
Short answer questions.
Answer any eight questions. Each question carries 2 marks.

11. Define consideration
12. Define pledge
13. Distinguish between guarantee and warranty
14. Explain "caveat emptor"
15. What do you mean by contingent goods?
16. Write a note on agreement
17. Who is a del credere agent?
18. Define consumer
19. What is counter offer?
20. Who is an unpaid seller?

(8 x 2 = 16 Marks)

Part III
Short essay questions.
Answer any six questions. Each questions carries 4 marks

21. Distinguish between contract of indemnity and contract of guarantee
22. What are the essentials of a contract of sale?
23. Describe the importance of consumer protection Act
24. Distinguish between void agreement and illegal agreement
25. What are the different kinds of agents?
26. Explain the right of bailee under Contract Act
27. 'Damages must not be too remote' explain
28. What are the Essentials of valid consideration?

(6 x 4 = 24 Marks)

Part IV
Essay questions.
Answer any two questions. Each question carries 15 marks

29. What is free consent? When is consent not free? Explain with examples
30. State the right of surety in a contract of guarantee. Also state the circumstances in which a surety is discharged from liability.
31. Explain the procedure followed for filing complains before the District Forum and the procedure followed by the District Forum on receipt of the complaint

(2 x 15 = 30 Marks)

1B3N17039 (Pages : 2) Reg. No:..............................

Name: ....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
Third Semester BBA Degree Examination, November 2017
BBIIIB04 – Human Resource Management
(2016 Admission onwards)

Max. Time: 3 hours   Max. Marks: 80

Part I
Answer *all* the questions
Each question carries 1mark

1. ILO stands for ------------------------------.

2. The process of teaching new employees the basic skills they need to perform their job is known as ------------------------.

3. A face-to-face interaction between two persons for a specific purpose is known as --------.

4. ------------------------ means extra wage payment given to employees for superior performance.

5. ------------------------ is a work condition related to dissatisfaction caused by discomfort. or pain.

6. A period of time-off from work as a result of a disciplinary process.
    a. Transfer   c. Dismissal
    b. Suspension   d. Strike

7. The way in which job tasks are organized into a unit of work.
    a. Job description   c. Job specification
    b. Job design   d. Job grade

8. A wage which is above the minimum wage but below the living wage.
    a. Living wage   c. Fair wage
    b. Minimum wage   d. Basic wage

9. Which among the following is NOT a step in a standard selection process.
    a. Application Blank   c. Interview
    b. Tests   d. Induction

10. One-to-one ranking of employees' performance appraisal method.
    a. Merit rating   c. Job evaluation
    b. Performance appraisal   d. Job analysis

(10 x 1= 10 Marks)

Part II
Answer any *eight* of the following questions
Each question carries 2 marks

11. What is vestibule training?
12. What do you mean by transfer?
13. What do you mean by SHRM?
14. Define salary.
15. What is mentoring?
16. What do you mean by grievance procedure?
17. What is performance appraisal?
18. What is absenteeism?
19. What is placement?
20. What do you mean by stress interview?

(8 x 2 = 16 Marks)

Part III
Answer any *six* of the following questions
Each question carries 4 marks

21. Distinguish between
    a. Promotion and Transfer
    b. Dismissal and Retrenchment
22. Define HRM. How does it differ from personal management?
23. Explain the types of interview.
24. Explain the process of human resource planning.
25. Bring out the factors affecting job design.
26. "Selection is virtually a kind of elimination process". Comment.
27. What do you mean by wage structure? Outline the components of wage structure.
28. Define the term 'discipline'. Discuss various disciplinary actions to maintain organizational discipline.

(6 x 4 = 24 Marks)

Part IV
Answer any *two* of the following questions
Each question carries 15 marks

29. What do you mean by training? Explain the various methods of training.
30. Appreciate the need for grievance redressal. How is a grievance redressed? Outline the process.
31. Explain the various performance appraisal methods with its strengths and weaknesses.

(2 x 15 = 30 Marks)

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
Third Semester BBA Degree Examination, November 2017
BBIIIC03 - Quantitative Techniques for Business
(2016 Admission onwards)

Max. Time: 3 hours

Max. Marks: 80

Part I
Answer all questions. Each question carries one Mark.
I.   Choose the most appropriate answer:

1. ....describes the magnitude of difference between observed frequencies and expected frequencies.
   a) F- value   b) t-value
   c) z-value   d) chi-square value
2. If A and B are two events, the probability of occurrence of either A or B is given as
   a) $P (A) + P (B)$ b) $P (A) P (B)$
   c) $P (A \cup B)$ d) $P (A \cap B)$
3. The technique of analysis of variance is developed by..........
   a) R.A. Fisher   b) Karl Pearson
   c) Frank Wilcoxon   d) Kruskal
4. The quantitative measure of correlation between two variables is known as.........
   a) Coefficient of Correlation   b) Coefficient of Regression
   c) Coefficient of Determination   d) None of the above
5. Normal distribution is.............
   a) Mesokurtic   b) Leptokurtic
   c) Platykurtic   d) None of these

II.   Fill in the blanks:

6. Normal distribution is a .... probability distribution
7. The error of rejecting null hypothesis when it is true is called------
8. The probability of getting an even number when a die is thrown is------
9. The outcome of a random experiment is called------
10. ....analysis helps to understand how the value of the dependent variable changes when any one of the independent variable is variable

(10 x 1 = 10 Marks)

Part II
Answer any eight questions. Each question carries 2 marks.
11. What you mean by Permutation?
12. What you mean by Type II error.
13. What you mean by Chi square test.
14. What is critical region?
15. What you mean by Multiple correlation
16. Write regression equation of X on Y
17. What is a sample space?
18. What is Binomial distribution
19. What you mean by contingency table?
20. Define a random variable

(8 x 2 = 16 Marks)

21. Fit a Poison distribution to the following data and calculate theoretical frequencies

X :	0	1	2	3	4
f :	123	59	14	3	1

22. The ranking of 10 individuals at the start and finish of a training programme are as follows

Individual :	A	B	C	D	E	F	G	H	I	J
Rank Before:	4	8	10	7	2	5	9	3	6	1
Rank After :	1	4	9	5	10	7	2	3	8	6

Calculate spearman's Rank correlation coefficient.

23. Below are observed and expected frequencies in a study made:

Observed:	25	24	42	40	50
Expected:	30	32	35	36	48

Apply Chi-Square test and examine whether the observed frequencies are in agreement with expected frequencies.

24. How does Poison distribution differ from binomial distribution

25. List out the main differences between Correlation and regression.

26. What is hypothesis? Explain the steps in conducting hypothesis testing.

27. Out of 800 families with 4 children each. What percentage would be expected to have
    (a) 2 boys and 2 girls (b) At least one boy and (c) at the most 2 girls. Assume equal probability for boys and girls.

28. A Sample of 60 items has S.D=5 and another sample of 80 items has S.D=4.5. Can you assert that the two samples belong to the same Population.

(6 x 4 = 24 Marks)

29. Discuss the application of Quantitative Techniques in business decision making

30. Given the following data
    Variance of X=9
    Regression equations
    $2X+3Y-70=0$ and $3X+2Y-80=0$
    Find
    I.   The mean value of X and Y
    II.   The coefficient of correlation between X and Y
    III   The Standard deviation of Y

31. Fit a Normal curve to the following date

Class Interval:	5-9	10-14	15-19	20-24	25-29
Frequency :	10	22	40	21	7

(2 x 15= 30 Marks)