

Goa Vidyaprasarak Mandal's
GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE AND ECONOMICS
FARMAGUDI, PONDA- GOA
B.C.A. UGC-CCFUP (SEMESTER-II) REGULAR EXAMINATION APRIL 2024
COM-137 - TOURISM AND HOSPITALITY MANAGEMENT

Duration: 2 hours

Total marks: 60

Instructions: i) All questions are compulsory
ii) Figures to the right indicate full marks.

- Q1. Answer the Following. (6x2 marks = 12 marks)
1. Define tourism. (BL1, CO1)
 2. What is tourism product? (BL1, CO1)
 3. What is domestic tourism? (BL1, CO2)
 4. What is push and pull factor of tourism? (BL1, CO2)
 5. Write any 4 employment opportunities in hospitality industry. (BL1, CO3)
 6. What is Leisure travel? (BL1, CO3)
- Q2. A. i) What are the characteristics of tourism. (BL1, CO1) (4)
ii) What is Inbound tourism? (BL1, CO2) (1)
- OR**
- Q2. A. iii) What is responsible and irresponsible tourism. (BL1, CO1) (4)
iv) Give 4 examples of sports tourism places around the world. (BL1, CO2) (1)
- Q2. B. i) list and explain the 5 A's of tourism product. (BL1, CO1) (5)
ii). Which four areas does hospitality industry comprise of? (BL1, CO3) (2)
- Q3. A i) Explain the factors affecting tourism industry. (BL2, CO3) (4)
ii) Explain any 2 benefits of sustainable tourism. (BL2, CO1) (1)
- OR**
- Q3. iii) Explain the travel in 21st century. (BL2, CO4) (4)
iv) Explain tourism market. (BL2, CO1) (1)
- Q3.B. i). Briefly Explain any two form of tourism with examples. (BL2, CO2) (5)
ii). Explain why lodging makes a essential part of tourism. (BL2, CO4) (2)

P.T.O.

- Q4.A.i) Briefly explain the future of travel. (BL2, CO4) (3)
ii) Explain any two demand factors of tourism. (BL2, CO2) (2)

OR

- Q4.A. iii) With the help of an example explain why recreation is a important factor in attracting tourists. (BL2, CO3) (3)
iv) Explain any two supply factors of tourism. (BL2, CO2) (2)

- Q4.B.i) Briefly explain the factors affecting growth of tourism. (BL2, CO2) (5)
ii) Explain the economic importance of tourism. (BL2, CO1) (2)

- Q.5.A. i) As a citizen of a country which are some of the social evils of tourism you want to eradicate and why? (BL3, CO1) (4)
ii) You are a local village resident in India, should rural tourism be promoted or do you think it will hamper the authenticity of the culture? give your opinion. (BL3, CO2) (1)

OR

- Q.5.A. iii) As a citizen of goa, what are some of the responsible tourism practices you want to implement. (BL3, CO1) (4)
iv) "India is one of the major tourist destination of the world" Explain why with respect to India's social, cultural and geographical aspect. (BL3, CO2) (1)

- Q.5.B.i) "The nature of travel has changed rapidly over a period of time". What are your thoughts on this evolution of changed travel experience. (BL3, CO3) (5)

- Q.5.B.ii) Food and Beverages form a major part in the tourism industry. In your opinion do you think the food industry has lost its authenticity or you are open to the changes? (BL3, CO2) (2)

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GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE AND ECONOMICS
FARMAGUDI, PONDA, GOA.**

**B.C.A. UGC-CCFUP (SEMESTER-II) REGULAR EXAMINATION APRIL 2024
CSC-100 COMPUTER ORGANIZATION**

Duration: 2 hours

Marks: 60

Instructions:

- i. Please check that question paper is printed on both the sides.
- ii. All questions are compulsory.
- iii. Marks are mention at the right.

Q1) Answer the following questions. (6*2mks)

- (i) Write on Distributive law with example? (BL1,CO4)
- (ii) Convert 1000110 into decimal value? (BL1,CO4)
- (iii) Which are the five type of interconnection structure? (BL1,CO2)
- (iv) What is an assembly language? (BL1,CO3)
- (v) What are the advantages of memory hierarchy? (BL1,CO1)
- (vi) What are communication devices? (BL1,CO1)

Q2 A) (i) Explain with diagram the uses of computer? (BL2, CO1) (3)(5mks)

(ii) Describe the throughput of CPU? (BL2, CO2) (2)

OR

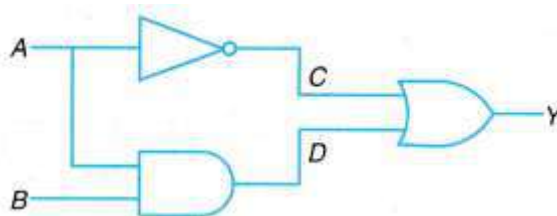
Q2 A) (iii) Explain in detail DMA configuration? (BL2, CO3) (4)(5mks)

(iv) Describe in detail on Cache memory? (BL2, CO1) (1)

Q2 B) (i) Explain the characteristics of RISC? (BL2, CO3) (5)(7mks)

(ii) Explain the instruction cycle in details? (BL2, CO3) (2)

Q3 A) (i) Solve the following combinational logic? (BL3, CO4) (3)(5mks)



(ii) Convert the following from decimal to binary? (BL3, CO4) (2)

- a) 23
- b) 47

OR

P.T.O.

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GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE AND
ECONOMICS PONDA - GOA**

**B.C.A. UGC-CCFUP (SEMESTER-II) REGULAR EXAMINATION APRIL 2024
DATA ANALYTICS USING SPREADSHEETS(CSA-142)**

Duration: 1 HOUR

Total Marks: 20

Instructions: *1. All questions are compulsory
2. Assume necessary data wherever required*

Q.1. Answer the following :

A. Match the pairs and choose correct answers from the following: **(4x1 =04 Marks)(BL-1,CO-1,CO-2,CO-3)**

- | | |
|-----------------------|---|
| A. Relative reference | I. Count the total number of cells within a range. |
| B. COUNTIF | II. makes the cells reference free. |
| C. SUMIF | III. Helps us know required number to meet targeted value |
| D. Goal seek | IV. Adds the cells specified by a given set of conditions |

Q2. A. What is Linear regression? What is Two-Sample t-Test? **(2 marks) (BL-1,CO-3,CO-5)**
OR

Q2. A. Explain "What if analysis" using data table? What is use of Sampling analysis tool? **(2 marks) (BL-1,CO-3,CO-5)**

Q2. B. Define Following: **(2 marks) (BL-1,CO-3)**

1. Data storytelling 2. Pivot Table

Q3. A. Explain in detail Power Pivot? **(2 marks) (BL-2,CO-4)**

OR

Q3. A. Explain any two Types of Joins in power query with the help of neat diagram. **(2 marks) (BL-2,CO-4)**

Q3. B. Explain VLOOKUP function and financial functions with the help of example. **(2 marks) (BL-5,CO-2)**

P.T.O.

Q4. A. What is an Excel Dashboard? List Advantages of using Dashboard. **(2 marks) (BL-1,CO-3)**

OR

Q4. A. What is a Gantt chart? List basic components of a Gantt chart. **(2 marks) (BL-1,CO-3)**

Q4. B. Explain following w.r.t. **(2 marks) (BL-2,CO-5)**

1. Two-Sample z-Test
2. Histogram analysis tool

Q5. A. Write short note on : **(2 marks) (BL-1,CO-1)**

1. Protecting Excel Worksheets
2. Paste Special function

OR

Q5.A. Write short note on: **(2 marks) (BL-1,CO-1)**

1. Absolute cell reference
2. Data filters and sorting

Q5. B. What are Charts in Excel? Explain Scatter and Radar chart with example. **(2 marks) (BL-2,CO-3)**

Goa Vidyaprasarak Mandal's
Gopal Govind Poy Raiturcar College of Commerce and Economics
Farmagudi, Ponda Goa.
B.C.A. (Semester II) End Examination, April 2024
Minor MAT-112 ELEMENTARY STATISTICS

Duration: 2 hrs

Marks:80

- Instructions:** 1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Use of scientific non programmable calculator is allowed.

Q1) Answer each of the following: (BL1)(8×2=16)

- i) Define Variate and give one example. (CO1)
ii) Define positive correlation and draw it's scatter diagram. (CO3)
iii) Define Snowball Sampling. (CO5)
iv) Write any two merits of Simple random sampling. (CO5)
v) A perfect cubic die is thrown. Find the probability that (CO4)
 a) an even number comes up. b) a perfect square comes up
vi) Define Independent events and give an example. (CO4)
vii) Find the Range and its coefficient for the following data; 10, 20, 30, 20, 50. (CO2)
viii) Prepare the less than cumulative frequency table for the following frequency (CO2)
distribution of 100 workers.

Age(in years)	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60
Number of workers	3	9	15	25	23	12	10	3

Q2) A) i) Calculate the Median for the following data. (CO2,BL2)(04)

Class intervals	0-20	20-40	40-60	60-80	80-100
Frequency	10	23	30	26	11

ii) Find tenth percentile (P_{10}) of the following data (CO2,BL2)(02)

x	4	5	6	7	8	9	10
f	6	8	15	26	20	14	11

OR

P.T.O.

Q2) A) iii) Find the mode for the following data

(CO2,BL2)(04)

Class Intervals	0-20	20-40	40-60	60-80
Frequency	10	15	25	20

iv) Find first (Q_1) and third (Q_3) quartiles of the following data
2, 2, 3, 4, 4, 5, 7, 9.

(CO2,BL2)(02)

Q2) B) i) Find Karl Pearson's coefficient of correlation for the following:

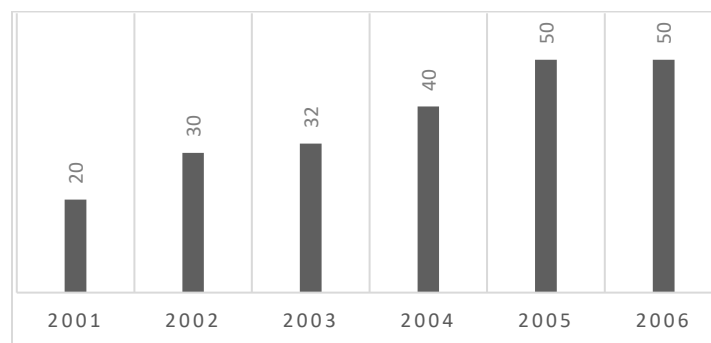
(CO3,BL2)(06)

x	2	5	8	10	6	3	1
y	4	6	7	8	5	4	3

ii) The dividend distributed by Raj Oil Mills Ltd. From 2001 to 2006 is shown below by simple bar diagram. Observe the diagram and answer the questions given below.

(CO1,BL2)(04)

- a) What is the average dividend of the company for the period of 2001 to 2006.
- b) What is the percentage growth of the dividend in the year 2002 as compared to 2001.



Q3) A) i) State and prove Multiplication theorem on probability.

(CO4,BL3)(04)

ii) If the mean of marks of 25 boys of a class is 42% and the mean of the marks of 15 girls of the same class is 54%, then find the mean of the whole class.

(CO2,BL3)(02)

OR

Q3) A) iii) State and prove Addition theorem on probability.

(CO4,BL3)(04)

iv) Calculate the mean height of 10 students, given that they are 62, 60, 66, 63, 66, 67, 64, 62, 69 and 61 inches tall.

(CO2,BL3)(02)

P.T.O.

Q3) B) i) Seven samples, each of size 4, with range as given below are to be tested. **(CO5,BL3)(06)**

Find the C.L., U.C.L., L.C.L. Also draw the control chart for the range and check whether the system is in control. (For $n = 4$, $D_3 = 0$ and $D_4 = 2.282$)

Samples	S_1	S_2	S_3	S_4	S_5	S_6	S_7
Range	0.4	0.38	0.32	0.36	0.33	0.37	0.34

ii) Find the Spearman's coefficient of correlation for the following **(CO3,BL3)(04)**

R_1	6	4	1	3	4	2
R_2	4	1	6	5	1	3

Q4) A) i) Three students are shortlisted for the best students award. Their **(CO2,BL4)(04)**

performances are listed below, with appropriate weightage in each category of assessment. State the winner of the award.

Basis of the assessments	Weightage w	Candidates		
		A	B	C
Result	7	87	90	88
Sports	1	3	0	2
Regularity	2	4	5	3

ii) Two cards are drawn from a well shuffled pack of 52 cards. Find the probability that both are kings when the first card is replaced in the pack. **(CO4,BL4)(02)**

OR

Q4) A) iii) Find variance and standard deviation for the following data. **(CO2,BL4)(04)**

Class intervals	0-20	20-40	40-60	60-80
Frequency	1	3	4	2

iv) Find $P(A/B)$, if $P(A) = \frac{2}{5}$, $P(B) = \frac{4}{5}$, $P(B/A) = \frac{7}{8}$. **(CO4,BL4)(02)**

Q4) B) i) A well known company manufacturing laptops select 5 laptops at random **(CO5,BL4)(06)**

for testing their qualities. The number of defects found in each laptop is given below. Find C.L., U.C.L., L.C.L. and draw the control chart for C . Also state whether the quality of the production of the company is in control.

Sample	L_1	L_2	L_3	L_4	L_5
Number of defects(C)	2	3	5	0	1

P.T.O.

ii) Draw “less than” cumulative frequency curve for the following data: (CO1,BL4)(06)

Wages	30-40	40-50	50-60	60-70	70-80	80-90	90-100
No. of workers	1	3	11	21	43	32	9

Hence find graphically a) Median

b) Number of workers having wages between 75 and 95.

Q5) A) i) Two unbiased dice are rolled. Find the probability that sum of the numbers on the two faces is either divisible by 3 or divisible by 4. (CO4,BL4)(03)

ii) For the bivariate data with mean and variance as, (CO3,BL4)(03)

	X	Y
Mean	6	4
Variance	0.5	2.5

And covariance as +1, find b_{yx} , b_{xy} and r .

OR

Q5) A) iii) A ticket is drawn from a set of 20 tickets numbered 1 to 20 and kept aside. Then another ticket is drawn. Find the probability that both show an even number. (CO4,BL4)(03)

iv) Ranks of 5 candidates with respect to attributes A and B are given by

Rank (A)	3	1	5	4	2
Rank (B)	5	2	4	3	1

Using Spearman’s formula, find rank correlation coefficient. (CO3,BL4)(03)

Q5) B) i) For the following data (CO3,BL3)(04)

x	2	3	4
y	3	5	7

$$b_{yx} = 2 \text{ and } b_{xy} = \frac{1}{2}$$

Find: i) equations of both the lines of regression

ii) y , when $x = 1$

iii) x , when $y = 3$

ii) There are 3 bags X,Y,Z. Bag X contains 2 white and 3 red balls. Bag Y contains 4 white and 1 red and Bag Z contains 3 white and 7 red balls. A bag is selected at random and a ball is drawn from it. What is the probability that it is a red ball? (CO4,BL3)(04)

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FARMAGUDI, PONDA – GOA**

**B.C.A. UGC-CCFUP (SEMESTER-II) REGULAR EXAMINATION, APRIL 2024
VAC-118 – HEALTH AND PHYSICAL EDUCATION**

Time: 1 Hour

Marks: 40

- Q.1) a. How can Obesity problem be resolved in today's context? (2 marks)
b. What are the solutions brought about by sports and games on type 2 diabetes? (2 marks)
c. Why to consider individual differences while training for cricket or any other sports? (2 marks)
d. Do you agree that Practice makes a man perfect and how is it possible in sports? (2 marks)

Q.2 A) i) What are some of affective dimensions involved in physical activity? Explain two of them in 2-3 sentences? (3 marks)

OR

Q.2 A) ii) What are the dimensions of physical activity you know that you can list down? (3 marks)

Q.2 B) How important is social interaction in life and how does it take place if you play football or any game you like? (3 marks)

Q.2 C) Emotional balance is key to life and how does it take place by involving in sports and games? (2 marks)

Q.3 A) i) What exercises would you suggest to your elder sister who is about to deliver a child and what care should she take while doing those exercises? (3 marks)

OR

Q.3 A) ii) What are the different categories of people you have to think of while making people involve them in any physical activity? (3 marks)

Q.3 B) School children need different types of activities to keep healthy and fit so what you will make them do? (3 marks)

Q.3 C) What is the activities you will recommend to some friend who is physically handicapped in your area? (2 marks)

Q.4 A) i) what is the bleep or multi stage test and how does it help to know your physical fitness condition at each stage? (3 marks)

OR

Q.4 A) ii) Name some physical fitness components you know and give two lines each on four of them? (3 marks)

P.T.O.

