# RACHELOR OF COMPUTER APPLICATIONS (CRCS - 2022 COURSE) R.C.A. Som-VI : SUMMER : 2025 SURJECT: INFORMATION SECURITY: INFORMATION SECURITY

ADMINISTRATION Time : 02:00 FM-15:10 FM Mr. Mounty Max. Minds: IM S-26317-2025 Date: 1205/2025 TRE Amongs ANY STVE questions from Section - I. Each question carries I2 marks. D) Attempt ANY TWO cuestions from Section - II. Each question carries 20 marks. 2) Morres to the right indicate MILL marks. 3) Trave need and labelled discusses WHEREVER necessary. 4) Answers to Arch the sections schools be written in SAMT messen bank. 53 SECTION-1 Now to manage and secure a checkup PC. Describe the different client side (II) 0.1 MANNET Deline LAN Describe various devices required to described LAN service (12) 0.2 भोराम् क्योंक डार्स्सिक मेर्च भूतर्गक Discuss how to share Internet connecting with other devices connected in (III) 0.3 LAN What is theny Server? Discuss in chand the Frong Server series. 67(3) Q. 4 What is website hearing? How to serin, manage and secure a web server. (II) 0.5 How to share various resources over a LAN Describe Print Server setting (III) 0.6 While short mores on ANY THREE of the following: Q.T a) Symemation M NAT e) Firmal d) Medile Device SECTION-II Explain the terms Michile Tenemion Management (MDM) and Michile Treat (21) Q. S\_ Detection (MTD) in detail. Describe the advantages of resource sharing over a LAN and discuss File (20) 0.9 Server sentir Explain in detail the following terms: Q.18 a) FIF Server Boot Server e) DNS Server

a) Mail Server

# BACHELOR OF COMPUTER APPLICATIONS (CBCS - 2022 COURSE) B.C.A. Sem-VI : SUMMER : 2025 SUBJECT: DATA ANALYSIS: DATA ANALYSIS USING R PROGRAMMING

Day: Monday
Date: 12/05/2025

S-26316-2025

Time: 02:00 PM-05:00 PM

Max. Marks: 100

16:12/	03/2023			
N.B.				
	1) Attempt ANY FIVE questions from Section – I.			
	2) Attempt ANY TWO questions from Section – II.			
	3) Figures to the RIGHT indicate FULL marks.			
	4) Answers to both the sections should be written in SAME answer book.			
	SECTION – I			
Q.1	Explain the concept of hypothesis testing and its different types.	(12)		
Q.2	Explain the significance of Standard Error in statistical analysis.			
Q.3	Explain the different operators used in R with suitable example.			
Q.4	What is the Correlation and Regression Analysis? Write a program in R to analysis the simple correlation between height and weight of individuals.	(12)		
	Height (in cm.) 150 160 165 170 175 180 185			
	Weight (in Kg) 55 60 65 70 75 80 85			
~ ·	Explain ANOVA and its applicability in Statistics.	(12		
Q.5		(12		
Q.6	A bag contains 7 white, 6 red and 5 black balls. Two balls are drawn at random. Find the probability that they will both the white.	(12		
07	Write short notes on ANY THREE of the following:	(12		
Q.7	a) List in R			
	b) Random Variable			
	c) Data Types in R			
	d) Stratified Sampling Technique			
	SECTION – II			
	the system following probability distribution	(20		
Q.8	1 2 3 4 5 6 7 8			
	x         1         2         3         4         3         6k         7k         8k           f         k         2k         3k         4k         5k         6k         7k         8k			
	Find the value of			
	a) k			
	b) P (x ≤ 2)			
	c) P(2≤x≤5)			
		(2		
Q.9	If X is Poisson variate such that, $P(1) = P(2)$ .			
	Find the value of  a) Mean of the distribution			
	a) Mean of the distribution b) P (X = 4)			
	1.17 to 1.5 to 1.0 to 1			
Q.1	0 a) Write a program in R to check whether entered number is divisible by 9 st			
	not. b) Explain the different Statistical Models used in R.	(		

\*\*\*\*

## BACHELOR OF COMPUTER APPLICATIONS (CBCS - 2022 COURSE) B.C.A. Sem-VI : SUMMER : 2025 SUBJECT: SOFTWARE PROJECT MANAGEMENT

Day: Friday Date: 09/05/2025

S-26315-2025

Time: 02:00 PM-05:00 PM

Max. Marks: 100

#### N. B.:

- 1) Attempt ANY FOUR questions form section-I and attempt ANY TWO questions from section-II.
- 2) Answer to both the sections should be written in SAME answer book.

#### SECTION-I

- Q. 1 Discuss different methods for selection of project with their merits and [15] demerits.
- Q. 2 Explain the COCOMO model in detail.

[15]

- Q. 3 What is PMBOK? Describe various editions of PMBOK published till date. [15]
- Q. 4 Define project and software project management. Discuss the project [15] management framework.
- Q. 5 What is risk? Why risk management? List and discuss various types of risk [15] associated with software projects.
- Q. 6 Write short notes on ANY THREE of the following:

[15]

- a) Quality standards
- b) Cost control
- c) Price to win
- d) Scope management

#### SECTION-II

Q. 7 Draw the activity network diagram and find EST, EFT, LST and LFT. Also [20] find the critical path.

Activity	Predecessor	Duration (Weeks)
A		7
В		9
	A	7
D	В	9
E	В	5
F	D,E	7
G	C,F	14
Н	Ď	10
I	G,H	5

- Q. 8 Project XYZ is to be 70,000 DSI semi-detached software. It is in a mission critical area, so the reliability is high (RELY=high=1.15). Using intermediate COCOMO model, calculate efforts, schedule, productivity and average staffing.
- Q. 9 As a project manager of IT project, identify the stakeholders required to complete the project. Explain the minimum skill set required to each stakeholder. Also identify the risk associated with project.

OP TO THE TOTAL STATE OF THE PARTY OF THE PA

### BACHELOR OF COMPUTER APPLICATIONS (CBCS - 2022 COURSE) B.C.A. Sem-VI: SUMMER: 2025 SUBJECT: WEB PROGRAMMING (PHP)

Day: Wednesday Date: 07/05/2025

S-26314-2025

Time: 02:00 PM-05:00 PM

Max. Marks: 100

- Attempt ANY FIVE questions from Section I and ANY TWO questions from Section II
- 2. Figures to the RIGHT indicate FULL marks.
- 3. Answers to both the sections should be written in SAME answer book.

#### SECTION-I

- Q.1 What do you mean by operator? Describe arithmetic and logical operators with (12) example.
- Q.2 Describe the steps of installation and configuration of Xampp server on a local (12) computer.
- Q.3 Explain Date and String function in PHP with example. (12)
- Q.4 What is cookies in PHP? How cookies are set and delete in PHP. (12)
- Q.5 What is MYSQL? Explain the steps in detail to create table in database and (12) insert records with example.
- Q.6 What do you mean by session in PHP? Explain the procedure to start and destroy a session in PHP.
- Q.7 Write Short Notes on ANY TWO of the following:

  (12)
  - a) Reading Files in PHP
  - b) Post Function
  - c) DML Commands in MYSQL
  - d) User Define Function

#### SECTION-II

- Q.8 Design a registration page and valid phone number and email address in PHP. (20)
- Q.9 Write a program in PHP to print Fibonacci Series: 0 1 1 2 3 5 8 13 21 (20)
- Q.10 Write a PHP code to derclare two array and store into third array after (20) merging.

\*\*\*\*

### BACHELOR OF COMPUTER APPLICATIONS (CBCS - 2022 COURSE) B.C.A. Sem-VI: SUMMER: 2025 SUBJECT: DATA WAREHOUSING & DATA MINING

Time: 02:00 PM-05:00 PM Day: Monday Max. Marks: 100 Date: 05/05/2025 S-26313-2025 N.B. Attempt any FIVE questions from Section - I and any TWO questions from 1) Section – II. 2) Figures to the right indicate FULL marks. 3) Answers to both the sections should be written in the SAME answer book. SECTION-I Explain the fundamental concept of Data Warehousing. How does it differ (12) Q.1 significantly from an operational database system in terms of purpose, data characteristics and usage? Describe and illustrate the various OLAP operations with examples. (12)Q.2 (12)Explain the various types of data that can be mined. Q.3 How can data mining provide business intelligence and create a competitive (12) Q.4 advantage for organization? Explain the difference between supervised and unsupervised learning with (12) Q.5 example. What is frequent item set? How is it identified using the Apriori principle? (12)Q.6 (12)Write short notes on any TWO: Q.7 Data mart a) Data transformation b) Outlier analysis c) SECTION-II Provide an example of a scenario where association rule mining would be a (20) Q.8 useful technique? What kind of insights could it provide. What is classification? Explain classification with Decision Tree induction. (20) Q.9

. \* \* \*

analysis. Explain any one application of it in detail.

Q.10

What is clustering? Describe the steps involved in performing a clustering (20)