

Subject	Semester	Credit	Max. Mar	Min. Mar	Time
PROGRAMMING IN JAVA BCAPJ5DC4 (MORNING)	5 <sup>TH</sup>	04	60	24	2 Hours

Roll No \_\_\_\_\_

Attempt six questions from Section A, three questions from Section B and two questions from Section C

Section "A"

Short type questions (6x4=24)

- Q1. Explain the concept of garbage collection? -4  
 Q2. What is importance of jump statement? -4  
 Q3. What is importance of array? -4  
 Q4. Explain the syntax for creating string object in java?  
 Q5. Explain the concept of class and object? -3  
 Q6. Explain the concept of polymorphism? -3 (22)  
 Q7. Explain the concept of interface? -4  
 Q8. Define concept of streams?

Section "B"

Medium answer type questions (3x6=18)

- Q9. Explain the concept of looping statements using example? -4  
 OR  
 Write a program to find sum of digits of a number using class?  
 Q10. Write a program to find sum of elements of an array using class? -  
 OR  
 Explain the concept of string and sting class in java?  
 Q11. Explain the concept of abstract class using example? -4  
 OR  
 Using single level inheritance write a program to find addition of two numbers?  
 Q12. Explain the concept of packages and wrapper class?  
 OR  
 Write a program to demonstrate the concept of exception handling? -6 (14)

Section "C"

Long type questions (2x9=18)

- Q13. Explain in details the features of java programming language? -6  
 Q14. Write a program to accept a string from user and display it using class? (15)  
 Q15. Explain the concept of method overriding using example? -9  
 Q16. Write a program to read the contents from a file?



(19)

Subject	Semester	Credit	Max. Mar	Min. Mar	Time
ADVANCE WEB PROGRAMMING USING PHP-BCAPH5DC1 (MORNING)	5 <sup>TH</sup>	04	60	24	2 Hours

Roll No \_\_\_\_\_

Attempt six questions from Section, three questions from Section B and two questions from Section C  
Section "A"

Short type questions (6x4=24)

- Q1. Differentiate between static and dynamic web page.  
 Q2. How can you incorporate one PHP file within another with example? — (1)  
 Q3. What is session, how session is created and destroyed? — (4)  
 Q4. Write code to show echo statement in PHP? — (4)  
 Q5. How can you submit a form without displaying it in browser? — (4)  
 Q6. Name three conditional statements in PHP. When would you use the == operator? — (3)  
 Q7. What is query string? Give example in PHP?  
 Q8. What is the name of scripting engine in PHP? — (16)

Section "B"

Medium answer type questions (3x6=18)

- Q9. What is web application? Differentiate between client-side scripting and server-side scripting.  
 OR  
 What is web server? Differentiate between local and remote server?  
 Q10. PHP and JavaScript both are programming languages that generate dynamic results for web pages. What is the main difference and why would you use both of them?  
 OR  
 What is the scope of variable? List and explain all scope of variable and super Global variable in PHP with example. — (5)  
 Q11. What is foreach loop in PHP? Write a PHP program for passing by value and passing by reference?  
 OR  
 Explain how to create, access and delete a cookie in PHP with the help of example. — (4)  
 Q12. What is MySQL? Write a code to create table for a student having all required field with proper primary key and auto increment id.  
 OR  
 Write a query for connectivity and selecting database. which is used to connect PHP with MySQL (Let database name be ICSC and table name student) — (6).

(15)



Subject	Semester	Credit	Max. Mar	Min. Mar	Time
SOFTWARE ENGINEERING- BCASE5DC5 (MORNING)	5 <sup>TH</sup>	04	60	24	2 Hours

Roll No 37

251

Attempt six questions from Section A, three questions from Section B and two questions from Section C

### Section "A"

#### Short type questions (6x4=24)

- Q1. Explain the concept of system? (4)
- Q2. (4) What is importance of prototyping in software development?
- Q3. (4) Explain concept of verification?
- Q4. (3) Explain concept of non-functional requirements?
- Q5. What is importance of decision tree? functional aspects
- Q6. Explain advantages of structured English? included of software system
- Q7. (4) What is importance of testing?
- Q8. (4) Define concept of testing?

requires analysis and plan solution

Identify and resolve risk

design and version of software

detect, correct and plan for next phase

mechanical and structured

sub-systems are inter dependent upon each other

### Section "B"

#### Medium answer type questions (3x6=18)

- Q9. (6) Explain the concept of CMM in terms of software quality?

OR

- Q10. Explain the principles of successful system?
- Differentiate between functional and non-functional software requirements using illustration?

OR

- Q11. Explain the concept of software requirement? What are the various tools used by the software development team for collecting requirements?
- Differentiate between decision tree and decision table?

OR

- Q12. (6) Explain the concept of data flow diagram with its importance?
- Differentiate between static and dynamic software testing?

OR

- Explain the concept of black box testing?

### Section "C"

#### Long type questions (2x9=18)

- Q13. (8) Explain the concept of spiral process model?
- Q14. Explain the concept of requirement analysis and modelling?
- Q15. Design context level diagram for college admission system?
- Q16. Explain concept of software quality assurance? What are various McCall's quality factors?

Subject	Semester	Credit	Max. Mar	Min. Mar	Time
ENTREPRENEURSHIP DEVELOPMENT-BGED5SE10 (MORNING)	5 <sup>TH</sup>	02	30	12	2 Hours

Roll No \_\_\_\_\_

Attempt three questions from Section A, one questions from Section B and one questions from Section C

### Section "A"

Short type questions (3x4=12)

Q1. Define entrepreneurship. — (4)

Q2. What are different dimensions of entrepreneurship?

Q3. What are start-ups? — (3)

Q4. Define briefly MSME's. — (3)

10, 8, 7 — (25)

eco - nomie  
political

### Section "B"

Medium answer type questions (1x8=8)

Q5. Discuss the various determinants of entrepreneurship. — (8)

OR

What is the classification of entrepreneurship as per MSME's act of 2006?

Q6. What is a business plan?

OR

"Entrepreneurship is the backbone of economic development of a country." Discuss

### Section "C"

Long type questions (1x10=10)

Q7. Discuss in detail the Intra-preneurship, technopreneurship and social entrepreneurship — (7) with their significance in the present day global economic conditions.

Q8. Discuss in detail the various components of a Business plan.