

श्री जैन (पी.जी.) कॉलेज, बीकानेर

**SP-1114-A**

Shri Jain P G College, Bikaner

M.Sc. (Previous) Examination, 2018

**COMPUTER SCIENCE**

**Paper-MCS-105**

**(Software Engineering and Internet Programming)**

*Time allowed : Three hours*

*Maximum Marks : 50*

**Section-A (Marks :  $2 \times 10 = 20$ )**

Answer all ten questions (Answer limit 50 words). Each question carries 02 marks.

**Section-B (Marks :  $3 \times 5 = 15$ )**

Answer all the five questions. Each question has an internal choice (Answer limit 200 words). Each question carries 03 marks.

**Section-C (Marks :  $5 \times 3 = 15$ )**

Answer any three questions out of five (Answer limit 500 words). Each question carries 05 marks.

**SECTION-A**

1. Attempt all questions.

- (i) Define the software requirements. [2]
- (ii) What do you mean by software project planning? [2]
- (iii) What is Coupling ? [2]
- (iv) What do you mean by Beta Testing ? [2]

- (v) What are the objectives of research ? [2]
- (vi) Define the research problem. [2]
- (vii) What is Web Browser ? Give example. [2]
- (viii) Define the HTTP. [2]
- (ix) What is the <img> tag ? Give example. [2]
- (x) Define the CSS. [2]

### SECTION-B

2. Discuss the Cocomo Model. [3]

OR

What do you mean by software quality factors ?

3. Distinguish between Black Box Testing and White Box Testing. [3]

OR

What is the purpose of cohesion in software design ?

4. Discuss the criteria of Good Research. [3]

OR

Write the difference between Research Methods and Methodology.

5. Define world wide web. [3]

OR

What are the advantages of Internet ?

6. How are formatting tags classified ? [3]

OR

What is inline stylesheet ? Give example.

### SECTION-C

- 7. Explain the software requirement analysis and specification and its components. [5]
- 8. What is function-oriented matrices ? Explain its function point method. [5]
- 9. Explain the technique involved in defining a problem. [5]
- 10. What is E-mail ? How to send and receive E-mail ? Explain it. [5]
- 11. What is the benefit of using tables with forms. Give example ? [5]

**M.Sc. (Previous) Examination, 2019**

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**SECTION – A**

**(Marks : 2 × 10 = 20)**

Answer all **ten** questions (Answer limit **50** words). Each question carries **2** marks.

**SECTION – B**

**(Marks : 3 × 5 = 15)**

Answer all **five** questions. Each questions has internal choice (Answer limit **200** words).  
Each question carries **03** marks.

**SECTION – C**

**(Marks : 5 × 3 = 15)**

Answer any **three** questions out of **five** (Answer limit **500** words). Each question carries **05** marks.

**SECTION – A**

1. Answer **all** questions.

- |   |   |
|---|---|
| (i) What are the characteristics of software process ?        | 2 |
| (ii) What do you mean by software ?                           | 2 |
| (iii) What do you mean by testing ? Explain Alpha Testing.    | 2 |
| (iv) What do you mean by Modularity ?                         | 2 |
| (v) What is the necessity of defining the problem ?           | 2 |
| (vi) What do you mean by Research Methodology ? Explain.      | 2 |
| (vii) Explain the use of CC and BCC in e-mail.                | 2 |
| (viii) What is the difference between Internet and Intranet ? | 2 |
| (ix) What the syntax of HTML for script condning.             | 2 |
| (x) What is the use of <div> tag and <title> tag ?            | 2 |

**SECTION – B**

2. Discuss about Project monitoring plan and Risk management. 3  
**OR**  
Explain COCOMO Model.
3. Explain the different levels of Testing. 3  
**OR**  
What do you mean by coupling ? Explain.
4. Explain the different types of Research. 3  
**OR**  
Explain the significance of research.
5. What do you mean by Domain Name Registration ? Explain. 3  
**OR**  
Explain E-mail protocol and HTTP.
6. What do you mean by embedded style sheets ? Explain. 3  
**OR**  
Explain different elements of style sheets.

**SECTION – C**

7. What do you mean by software process model ? Explain prototype model in detail. 5
8. Explain size Oriented Matrices in detail. 5
9. What do you mean by Research Problem ? Explain the different techniques involved in defining a problem. 5
10. What do you mean by WWW ? Explain the working and functions of Web browsers. 5
11. What do you mean by Tag ? Explain the different types of list tags with suitable examples. 5
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# BPG-1106

M.Sc. (Previous) Examination, 2021

COMPUTER SCIENCE

Paper-MCS-105

(Software Engineering and Internet Programming)

Time : 1½ Hours ]

श्री जैन (पी.जी.) कॉलेज, बीकानेर

[ Maximum Marks : 50

Section-A

(Marks : 2 × 10 = 20)

Note :- Answer all *ten* questions (Answer limit 50 words). Each question carries 2 marks.

Section-B

(Marks : 3 × 5 = 15)

Note :- Answer all *five* questions. Each question has internal choice (Answer limit 200 words). Each question carries 3 marks.

Section-C

(Marks : 5 × 3 = 15)

Note :- Answer any *three* questions out of five (Answer limit 500 words). Each question carries 5 marks.

Section-A

2 each

1. Answer all questions :

- (i) What do you mean by Software Quality ?
- (ii) What is Risk Management ?

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- (iii) What do you mean by Abstraction ?
- (iv) What do you mean by Size Oriented Matrices ?
- (v) What is Research ?
- (vi) What is Research Problem ?
- (vii) What do you mean by World Wide Web ?
- (viii) What is Domain ?
- (ix) What is Empty Tag ?
- (x) What do you mean by Static Web Page ?

**Section-B**

3 each

2. Describe McCall's Quality Factor.

*Or*

Explain Spiral Model.

3. What do you mean by Cohesion and Coupling ?

*Or*

Describe Function Oriented Matrices.

4. Explain different Research Approaches.

*Or*

Differentiate Research Methods and Methodology.

5. Describe anatomy of an e-mail message.

*Or*

What do you mean by e-Mail Protocol ?

6. Describe different Formatting Tags.

*Or*

What do you mean by Webform ? Explain different form tags.

Section-C

5 each

7. What do you mean by Software Requirement Analysis and Specification ? Explain characteristics and component.
8. What is Software Testing Process ? Explain types and level of testing.
9. What is Objective of Research ? Explain significance and criteria of good research.
10. What do you mean by HTTP ? Explain component of web publishing.
11. What do you mean by CSS ? Explain different types of CSS and their element.