

Goa Vidyaprasarak Mandal's
Gopal Govind Poy Raiturcar College of Commerce & Economics, Farmagudi.
B.C.A. (Semester V) Intra Semester Assessment (ISA) (Test III), September
2018

SOFTWARE TESTING

Duration: 45minutes

Marks:15

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|--|--------|
| Q.1. Define Integration testing. | (2mks) |
| Q.2. Differentiate between stubs and drivers. | (2mks) |
| Q.3. Explain why Black box testing is required? | (2mks) |
| Q.4. Explain compatibility testing. | (3mks) |
| Q.5. With an example explain domain testing. | (3mks) |
| Q.6. Explain any 1 technique of Integration testing. | (3mks) |

OPERATIONS RESEARCH

Duration:- 45 minutes

Marks:- 15

Q. Answer ANY 3 of the following questions :(5×3 = 15 Marks)

Q1. Find initial solution by Vogel's method and the optimum solution to the following transportation problem.

From \ To	1	2	3	Supply
I.	2	7	4	5
II.	3	3	7	8
III.	5	4	1	7
IV.	1	6	2	14
Demand	7	9	18	

Q2. Find the initial solution using least cost method and determine the optimal solution.

Sources \ Destinations	D	E	F	Supply
A.	6	4	1	50
B.	3	8	7	40
C.	4	4	2	60
Demand	20	95	35	

Q3. Assign workers 1, 2, 3, 4 to jobs A, B, C, and D. Time taken by workers for different jobs are given in the matrix.

Workers \ Jobs	A	B	C	D

1	45	40	51	67
2	55	40	61	53
3	49	52	48	64
4	41	45	60	55

Q4. There are five jobs, each of which must go through machines A, B, and C in the order ABC processing times are given in the following table.

Jobs	1	2	3	4	5
Machines					
A	8	10	6	7	11
B	5	6	2	3	4
C	4	9	8	6	5

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Web Technology

Duration :45 min

Marks:15

Q1. Answer the following (15)

- a. JavaScript is first known as _____ (1)
- b. Explain the Concept of Cryptography (3)
- c. Explain DOM (2)
- d. Explain Digital Signature and Digital Certificates (4)

Or

- e. Write a PHP code to Insert data of feedback form into table. (4)
- f. Differentiate between HTTP and HTTPS (2)
- g. Explain Principle of Security (3)

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ANDROID PROGRAMMING

Duration:- 45 minutes

Marks:- 15

ANSWER THE FOLLOWING :-

1. What are the three methods to persist an activity state ? (2 mks)
2. What are the four screen densities defined and recognized by the Android ? (2 mks)
3. Explain the various useful Content Providers shipped by Android. (3 mks)
4. Write the code query statement for Honeycomb and later version, to retrieve in ascending order all Contact Names ending with "Zee", from the Contacts Application. (4 mks)
5. Explain the Relative Layout with the required code in main.xml by considering an appropriate example. (4 mks)

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HUMAN RESOURCE MANAGEMENT

Duration: 45 minutes

Marks: 15

Q.1) Explain the following:

- 1) Objectives of Career Planning
- 2) Counselling

(1 ½ mks)

(1 ½ mks)

Q.2) Explain any four on-the job methods of training Managers

(4 mks)

Q.3) Answer the following:

- 1) Management by Objectives (MBO)
- 2) BARS

(2mks)

(2mks)

Q.4) What is Performance Appraisal? Explain any three Traditional Methods.

(4 mks)