

**Goa Vidyaprasarak Mandal's
Gopal Govind Poy Raiturcar College of Commerce & Economics
Farmagudi Goa
BCA SEMESTER V, ISA-I JULY 2015
HUMAN RESOURCE MANAGEMENT**

Marks: 15

Duration: 45 minutes

Q. 1. Answer the following:

- a) "Human Resource management is the management of people at work" explain the statement. (3)
- b) Define HRP. Describe its characteristics. (4)
- c) Define recruitment. Explain (any 4) external sources of recruitment. (5)

Q.2. Name the following: (3)

- 1. this is a written record of the physical, mental, social, psychological and behavioural characteristics which a person should possess in order to perform the job effectively.
- 2. This implies shifting of employees from one job to another.
- 3. Here in an employee is given greater autonomy and responsibility.
- 4. Process of receiving and welcoming an employee when he first joins a company.
- 5. A process to discover the sources of manpower.
- 6. Written record of the appropriate and authorised contents of a job.

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Ponda Goa**

**BCA SEMESTER V, ISA-I JULY 2015
SOFTWARE TESTING**

Marks: 15

Duration: 45 minutes

- Q. 1) Define a test case. (2 mks)
- Q. 2) Define clear box testing. (2 mks)
- Q. 3) What are the Challenges faced in White box testing. (2 mks)
- Q. 4) State any 6 principles of Software testing. (3 mks)
- Q. 5) Differentiate between Quality assurance and Quality Control.(3 mks)
- Q. 6) Explain Desk checking. (3 mks)

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BCA SEMESTER V, ISA-I JULY 2015
OPERATIONS RESEARCH

Marks: 15

Duration: 45 minutes

Answer ANY 3 of the following:-

Q.1) A firm is engaged in producing two products A & B. Each unit of product A requires 9 kg of raw material and 8 labour hours for processing, where as each unit of B requires 8 kg raw material and 8 labour hours for the same type. Every week, the firm has an availability of 120 kg of raw material and 140 labour hours. One unit product A gives profit of ` 60. and one unit product B gives profit of ` 50. Formulate this as a Linear Programming problem to determine as how many units of each of the products should be produced per week so that the firm can earn maximum profit.
(5 mks)

Q. 2) Solve the following LPP by Graphical Method.

$$\begin{aligned} &\text{Maximise } Z = 5x_1 + 3x_2 \\ &\text{Subject to constraints,} \\ &\quad 2x_1 + x_2 \leq 1000 \\ &\quad x_1 \leq 400 \\ &\quad x_2 \leq 700 \quad \quad x_1, x_2 \geq 0. \end{aligned} \quad (5 \text{ mks})$$

Q. 3) Solve the following Linear Programming problem by Simplex Method.

$$\begin{aligned} &\text{Max } Z = 2x_1 - 3x_2 - 5x_3 \text{ subject to constraints.} \\ &\quad 3x_1 - x_2 - 4x_3 \leq 2 \\ &\quad 5x_1 - 7x_2 - 6x_3 \leq 4 \\ &\quad x_1, x_2, x_3 \geq 0 \end{aligned} \quad (5 \text{ mks})$$

Q. 4) Food A contains 20 units of vitamin 'X' and 40 units of vitamin 'Y' per gram. Food B contains 30 units each of vitamin X & Y. The daily minimum human requirements of vitamin X & Y are 900 and 1200 units respectively. How many grams of each type of food should be Consumed so as to minimize the cost, if food A costs 60 paise per gram and food B costs 80 paise per gram.

Formulate LPP Model for the following problem. (5 mks)
Instruction: Use graph paper.

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INTRA SEMESTER ASSESSMENT TEST-I
OF SEMESTER V JULY 2015

T.Y.B.C.A.
ANDROID PROGRAMMING

MARKS:- 15

Duration:- 45 minutes

ANSWER THE FOLLOWING :-

1. What is Dalvik Virtual Machine? (2 mks)
2. State the versions of Android with the code name and the API level. (2 mks)
3. Explain the various features of Android. (3 mks)
4. Explain the procedure to create an Android application and to display HELLO COMPUTER WORLD on the emulator. (4 mks)
5. Explain the various key services included in the Application framework of the Android Architecture. (4 mks)

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ISA- I OF SEMESTER V , JULY 2015

WEB TECHNOLOGY

TYBCA

MARKS: 15

COURSE CODE: BCA301

DURATION: 45 Minutes

Q.I) Answer the following

(4*3=12)

- A) Explain indexOf(),slice(),substring() methods of String Objects.
- B) Explain prompt(),alert() and confirm() dialog boxes with an examples.
- C) Explain the process of Table creation in HTML.
- D) Write a short note on FORM tag in HTML.

Q.II) Define the following terms.

(3*1=3)

- A) Browser.
- B) Cellpadding
- C)HTTPs

-----Best of Luck-----