

**Goa Vidyaprasarak Mandal's**  
**Gopal Govind Poy Raiturcar College of Commerce & Economics**  
**Ponda Goa**  
**BCA SEMESTER II, ISA-III, MARCH 2016**  
**DATA STRUCTURES USING 'C'**

Marks: 15

Duration: 45 minutes

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I) Answer the following:-

- 1) Define a Queue. (2)
- 2) What is a linked list. (2)
- 3) Write C representation for Insert(a, x) (3)
- 4) What are the primitive operations on linked list. (2)
- 5) Write C Representation for getnode and freenode operations. (2)
- 6) Write a C program to create and display Queue elements. (4)

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COST ACCOUNTING**

Marks: 15

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**Q.1) The following particulars relates to receipts and issues of a company**

**2/2/2016 received 500 units @ 1.50/-**

**4/2/2016 received 350 units @ 1.70/-**

**5/2/2016 issued 650 units**

**7/2/2016 received 600 units @ 1.80/-**

**8/2/2016 received 250 units @ 1.90/-**

**10/2/2016 issued 700 units**

**12/2/2016 received 350 units @ 2.00/-**

**15/2/2016 issued 400 units**

**20/2/2016 received 450 units @ 2.10/-**

**(10)**

**25/2/2016 received 600 units @ 2.20/-**

**27/2/2016 issued 150 units**

**29/2/2016 issued 550 units**

**Prepare stores ledger account for the month of Feb. 2016, on the basis of weighted average method.**

**Q. 2) Write a short note on standard costing.**

**(2.5)**

**Q. 3) What do you understand by budgetary control?**

**(2.5)**

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**BCA SEMESTER II, ISA-III MARCH 2016**  
**ENVIRONMENTAL STUDIES**

Marks: 10

Duration: 45 minutes

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**Q. I. Fill in the blanks by choosing the appropriate alternative provided:** **[04]**

1. The geographic unit that collects, stores and releases water is \_\_\_\_\_
  - a. Waste land
  - b. Watershed
  - c. Wetland
  
2. The most important Greenhouse gas that is being affected by human activities and results in Global warming is \_\_\_\_\_
  - a. Carbon dioxide
  - b. Water vapor
  - c. Methane
  
3. The two acidic oxides mainly responsible for acid rain are \_\_\_\_\_
  - a. Sulphur dioxide and Nitrogen oxide
  - b. Sulphur dioxide and Nitrogen trioxide
  - c. Sulphur dioxide and Nitrogen dioxide
  
4. Wasteland that are reclaimed with extreme difficulty can be used for \_\_\_\_\_
  - a. Agriculture
  - b. Agro-forestry
  - c. Forestry

**Q.II. Answer the following in one or two sentences:** **[06]**

1. Give any two effects of Marine Pollution
2. What is Thermal Pollution?
3. Write any two methods of Solid Waste Management.
4. What is Sustainable Development?
5. Give any two techniques of Rain water harvesting.
6. Write any two effect of Global warming.

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