

**Goa Vidyaprasarak Mandal's**  
**Gopal Govind Poy Raiturcar College of Commerce & Economics**  
**Ponda Goa**  
**BCA SEMESTER I, ISA-I AUGUST 2015**  
**ENVIRONMENTAL STUDIES**

Marks: 10

Duration: 45 minutes

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**I. Fill in the blanks:**

**3 marks**

1. CSE stands for \_\_\_\_\_
  - a. Centre for nature of science and education
  - b. Centre for Science and Education
  - c. Central scientific educational institution
  - d. Central science and education institution
2. \_\_\_\_\_ started the first sea turtle survey and conservation programme in India.
  - a. Bombay Natural History Society
  - b. Zoological survey of India
  - c. Madras Crocodile Bank Trust
  - d. Wildlife Institute Of India
3. \_\_\_\_\_ method of timber extraction cause minimum environmental damage.
  - a. Clear felling
  - b. Handlodgging
  - c. Reduced – impact logging
  - d. Selective logging
4. Forest is responsible for \_\_\_\_\_
  - a. Watershed protection
  - b. Land erosion control
  - c. Providing economic and environmental benefits
  - d. All of the above
5. \_\_\_\_\_ is not a renewable resource
  - a. Wind power
  - b. Coal
  - c. Solar energy
  - d. Geothermal energy
6. The unlimited exploitation of nature by human beings resulted in \_\_\_\_\_
  - a. Environmental pollution
  - b. Health problems
  - c. Decrease in biodiversity
  - d. All of the above

**II. Answer the following in two to three lines:**

**3 mark**

1. Define environmental studies.
2. What is non-renewable resource? Give two examples of non-renewable resource.
3. What is MoEF and what it is concerned of?

**III. Write short note on: ( Any TWO )**

**4 marks**

1. Causes of deforestation.  
OR
2. Uses of forest resources.
3. Types of timber extraction.  
OR
4. Effects of dam on forest and tribal people.

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G.V.M's G.G.P.R. COLLEGE OF COMMERCE & ECONOMICS  
FARMAGUDI, PONDA, GOA.

INTRA SEMESTER ASSESSMENT TEST-I  
OF SEMESTER I JULY 2015

F.Y.B.C.A.  
COMPUTER ORGANISATION AND ARCHITECTURES

MARKS:- 15

Duration:- 45 minutes

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ANSWER THE FOLLOWING :-

1. Explain the Transistors. (2 mks)
2. Explain the background of ENIAC. (2 mks)
3. Explain the Time sequence of Multiple Interrupts. (3 mks)
4. Explain the High Performance Architecture with the diagram. (4 mks)
5. Explain the Basic Computer Operations and draw the Block diagram of the Computer. (4 mks)

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**BCA SEMESTER I, ISA-I JULY 2015  
BUSINESS ACCOUNTING**

Marks: 15

Duration: 45 minutes

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**Q.1. Fill in the blanks**

**(3marks)**

a) Book keeping can be defined as the process of \_\_\_\_\_

b) The basic difference between accounting and book keeping is  
\_\_\_\_\_

c) Accounts can be classified as \_\_\_\_\_  
(write in detail)

**Q.2. Aalok Traders furnishes you their cash and bank transactions for the month of june 2015, for which you are required to prepare a cash book with cash and bank column and balance the same. And also prepare the necessary vouchers.**

**Cash and bank transactions of Aalok Traders, St.Inez , panaji, north- goa.**

**(Bankers: bank of Maharashtra, panaji) (12 marks)**

**1/06/2015 Cash on hand Rs. 52000/-**

**1/06/2015 Cash at bank Rs. 24500/-**

**2/06/2015 Cash sales realized as per bill nos 101-110 Rs. 12000/-**

**4/06/2015 Petty cash expenses Rs. 7000/- as per petty cash book folio no 111**

**5/06/2015 Cheque no 564440 issued to M/s sinari brothers as per bill no 233 for Rs. 20000/-**

**9/06/2015 Paid to hotel marriot vide cheque no 56441 for Rs. 15000/- as per their bill no 433.**

**12/06/2015 Cash sales realized as per bill nos 111 – 119 Rs. 8000/-**

**15/06/2015 Cheque no 394961 for Rs. 48500/- drawn on state bank of india received from M/s kamat & sons towards full and final settlement of our bill no 179.**

**All the above vouchers are entered on cash book folio no: 754.**

**(No vouchers are prepared incase bills are available)**

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**BCA SEMESTER I, ISA-I JULY 2015**

**PROBLEM SOLVING & PROGRAMMING CONCEPT**

Marks: 15

Duration: 45 minutes

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- Q. 1) Who designed C Language? ( 1 mk)
- Q. 2) Define symbolic constant. ( 2 mks)
- Q. 3) State the rules used for naming an Identifier. ( 2 mks)
- Q. 4) Explain the process of executing a 'C' Programs. ( 3 mks)
- Q. 5) Find errors, if any, in the following code. ( 3 mks)

```
# Include ( stdio.h )
Void main []
{
    Print ("Hello C");
}
```

- Q. 6) Explain Data types in C. ( 4 mks)

OR

- Q. 6) Write a program to swap values of 2 variables. ( 4 mks)

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**BCA SEMESTER I, ISA-I JULY 2015**  
**BASIC MATHEMATICS**

Marks: 15

Duration: 45 minutes

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Q.1) For the given pair of integers.

$$x = -381 \quad y = -14$$

Find  $q$  &  $r$  such that

$$X = yq + r \quad \& \quad 0 \leq r < |y|. \quad (3 \text{ mks})$$

Q.2) Two numbers are in the ratio 3:4. If the sum of the numbers is 63.

Find the numbers. (1 mk)

Q.3) If  $a^2 + b^2 = 14ab$  Prove that

$$\text{Log} \frac{\dots}{4} = \frac{1}{2} (\log a + \log b) \quad (5 \text{ mks})$$

**OR**

Q.3) Prove that

$$\frac{1}{\text{Log} abc} + \frac{1}{\log abc} + \frac{1}{\log abc} = 1 \quad (5 \text{ mks})$$

$\frac{1}{a} \quad \frac{1}{b} \quad \frac{1}{c}$

Q.4) Describe the nature of the roots of the given quadratic Equations.

a)  $x^2 + x + 1 = 0$

b)  $2x^2 + 7x + 10 = 0$  (4 mks)

Q.5) Solve the following for  $x$ .

$$\frac{\text{Log} x}{\text{Log} 9} = \frac{\log 64}{\log 8} \quad (2 \text{ mks})$$

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