

G.V.M'S G.G.P.R. COLLEGE OF COMMERCE & ECONOMICS

FARMAGUDI, PONDA

INTRA SEMESTER ASSESSMENT TEST-I

BCA SEMESTER II JANUARY 2017

ENVIRONMENTAL STUDIES

Marks: 10

Duration: 30 minutes

Answer any five of the following questions:

1. What are the causes and effects of atmospheric pollution? (02)
2. State the remedies to minimize land pollution. (02)
3. What are the measures to control noise pollution? (02)
4. What are the causes and effects of water pollution? (02)
5. what are the control measures to control air pollution? (02)
6. Explain the effects of land pollution (02)

G.V.M'S G.G.P.R. COLLEGE OF COMMERCE & ECONOMICS

FARMAGUDI, PONDA

INTRA SEMESTER ASSESSMENT TEST-I

BCA SEMESTER II JANUARY 2017

DATA STRUCTURES USING C

Marks: 15
minutes

Duration: 45

Q. 1) Define Stack. (2 mks)

Q. 2) State a difference between Stack overflow and Stack underflow. (2 mks)

Q.3) Write C Representation for the following:

1) Stack (1 mk)

2) Push operation (2 mks)

Q. 4) Write prefix and postfix form of the following:

a) $a \$ b + c$ (1 mk)

b) $a + b *(c + d)$ (1 mk)

Q. 5) Write a C program to validate an expression for parenthesis. (6 mks)

Goa Vidyaprasarak Mandal's
GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE AND
ECONOMICS, PONDA-GOA

B.C.A. Intra Semester Examination-I
BCA 204 DISCRETE MATHEMATICS

Duration : 45 mins

Marks : 15

1. Let $A = \{1, 4, 3, 8, 7\}$, $B = \{1, 6, 5, 2\}$ and $C = \{6, 3, 7, 10, 4, 5\}$.

Verify $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$. (2)

2. A town has a total population of 400 of which 40 people own cars, 100 people own bicycles and 30 own both cars and bicycles.

How many in the town do not own either? (3)

3. Let $A = \{1, 2, 3, 4, 5\}$ and let R be a relation on the set A given by $R = \{(x, y) \mid x > y\}$.

Write down the relation set R . Is R an equivalence relation? Justify. (3)

4. Let $A = \{1, 2, 3\}$ and relation set R on A be given by

$R = \{(1, 1), (1, 2), (1, 3), (2, 1), (3, 1), (3, 3), (2, 2)\}$.

Check whether the relation is a partial ordering relation. (2)

5. Let $f: R \rightarrow R$, $f(x) = 2x + 10$.

Show that f is bijective and hence find the inverse. (5)

----- ALL THE BEST -----

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

INTRA SEMESTER ASSESSMENT TEST-I
SEMESTER II
JANUARY 2017

F.Y.B.C.A.
OPERATING SYSTEM CONCEPTS

MARKS:- 15

Duration:- 45 minutes

ANSWER THE FOLLOWING :-

1. What are the functions of an Operating System ? (2 mks)
2. What is an Instruction Execution ? (2 mks)
3. Explain – Operating System is a Resource Allocator. (3 mks)
4. Explain the Evolution of the Operating System. (4 mks)
5. Explain the Process Control Block with the Diagram. (4 mks)

Goa Vidyaprasarak Mandal's
Gopal Govind Poy Raiturcar College Of Commerce & Economics
Farmagudi Goa
BCA SEMESTER II, ISA – I, JANUARY 2017
COST ACCOUNTING

Marks 15

Duration : 45 minutes

Q. 1) Following cost data is extracted from the books of "M/S Vikrant Industries Ltd" for the year ended March 2015. (10 mks)

Opening Stock of raw material	78,000
Motive Power	29,500
Depreciation on office furniture	18,000
Depreciation on Factory building	45,000
Opening stock of finished goods	27,500
Octroi duty	1,250
Factory lighting	6,000
Direct Wages	17,500
Closing Stock of raw material	48,250
Carriage Inward	7,500
Administrative expenses	2,500
Closing stock of finished goods	16,000
Purchases	62,500
Gas, oil, water (factory)	3,000
Factory manager salary	20,000
Office manager salary	19,000
Selling Overheads	1,500
Distribution Overheads	550

You are required to prepare a statement of cost for the year ended 31st March 2015. Assume % of profit to be 20% on selling price.

Q.2) Answer the following.

- Differentiate between Financial Accounting & Cost Accounting. (2 mks)
(Any 2 points)
- Explain any 2 elements of Cost Accounting? (2 mks)
- State any 2 objectives of Cost Accounting? (1 mk)
