BASIC MATHEMATICS

Marks: 10   Duration: 45 minutes

1) Write 720 as a product of primes.   (1)
2) Find the gcd and lcm of 12 and 14.   (1)
3) Sum of two numbers is 25 and their product is 150. Find the two numbers.

                                                                             (2)
4) Find $\log_8 2$.   (1)
5) Show that $\log (ab)^{x+y} = \log a^x + \log b^x + \log a^y + \log b^y$.   (2)
6) The marks scored by A and B in an exam is in the ratio 5 : 4. If three marks are added to the score of A, the ratio becomes 3 : 2. What is the individual score of A and B?   (2)

7) Find x, if $\sqrt{x} \times (\sqrt[4]{x})^2 = \sqrt{x} \times \sqrt{x^3}$.   (1)

8) Find the area of the shaded region.(Take $\pi = \dfrac{22}{7}$)   (3)

14 cm

14 cm

9) Find the volume of a cone whose slant height is 13cm and radius is 5cm. (take $\pi = \dfrac{22}{7}$)   (2)
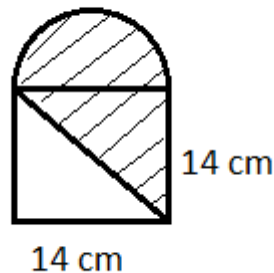
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G.V.M'S G.G.P.R. COLLEGE OF COMMERCE & ECONOMICS
FARMAGUDI, PONDA
INTRA SEMESTER ASSESSMENT TEST-I
BCA SEMESTER I AUGUST 2016
ENVIRONMENTAL STUDIES

Marks: 10   Duration: 30 minutes

ANSWER ANY FIVE QUESTIONS   (10 mks)
Q. 1) Explain the importance of Environmental Studies.   (2 mks)
Q. 2) Write in brief on Nature and scope of Environmental studies. (2 mks)
Q. 3) Explain Pollution with examples.   (2 mks)
Q. 4) What is the relationship between Environmental studies and
        Geography?   (2 mks)

Q. 5) Explain Multidisciplinary nature of Environmental studies.   (2 mks)
Q. 6) Why public awareness on various environmental issues is
        important?   (2 mks)

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BUSINESS ACCOUNTING

Marks: 15   Duration: 45 minutes

Q.I. Answer the following :

A) Differentiate between book-keeping and accountancy. (2 points)   (1)

B) What is journal?   (1)

C) Pass the entry for the following transaction:
i) Purchased goods worth Rs. 50500/- from M/S Arjun Traders and paid
  `25500/- only.   (2)

Q.II. M/S Kavalekar & Brothers, Mapusa, Goa, maintained an analytical petty
  cash book which is closed daily. Their petty cash transactions for the month
  of June, 2016 are as under.   (11)

June 2016
1st. Paid   `2300/- to M/S Kumar & sons for purchase of umbrellas
for staff   as per bill no. 2552.

1st. Paid towards purchases `3000/- to Amey Traders, as per bill
no. 4520.

2nd. Paid towards postage `275/-

2nd. Paid to Anuradha printers `2800/- as per the bill no 0095.

3rd. Paid wages to Hira (sweeper) `950/-.

5th. Paid to Shital restaurant `1500/- for providing snacks to staff,
as per the bill no. 1516.

5th. Paid for stationary, `800/- to Sharada Agencies, as per bill no.
3123.

10th. Paid to M/S Virat Industries `2500/- for purchases, as per the
bill no 4515.
All the above vouchers are entered on petty cash book folio no: 306.
You are required to prepare a petty cash book and necessary
vouchers.(Prepare vouchers only in case bills are not available)
*******************************All the best*******************************

G.V.M'S G.G.P.R. COLLEGE OF COMMERCE & ECONOMICS
FARMAGUDI, PONDA
INTRA SEMESTER ASSESSMENT TEST-I
BCA SEMESTER I AUGUST 2016
PROBLEM SOLVING & PROGRAMMING CONCEPTS.

Marks: 15   Duration: 45 minutes

I.   FILL IN THE BLANKS.   **(5x1=5)**

1. _____is the father of human computing.
2. Bernulli numbers were introduced by _____programmer.
3. _____is a bit.
4. _____makes byte.
5. _____is the founder of C-Programming.

II. Answer the following.   **(2x2=4)**
1. What is key words or reserved words? Name 5.
2. What is mean by constant and variable?

III. Answer the following.   **(2x3=6)**
1. Explain in detail about operators available in C.
2. Write about a). Decision making statements any 2 with an syntax and example
                       b) Looping statements any 2 with an syntax and example.

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FARMAGUDI, PONDA-GOA

INTRA SEMESTER ASSESSMENT TEST-I
SEMESTER I
AUGUST 2016

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

MARKS:- 15   **Duration:- 45 minutes**

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ANSWER THE FOLLOWING :-

1. What is Semiconductor memory?   (2 mks)

2. State the various improvements in Chip Organization and
   Architecture.   (2 mks)

3. Explain the various difference between Fetch Cycle and
   Execute Cycle.   (3 mks)

4. Explain the main Computer operations and draw the block diagram
   of the Computer.   (4 mks)

5. Explain the Traditional Bus Architecture with the diagram.   (4 mks)

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