

**Bharati Vidyapeeth (Deemed to be University),
Pune School of Distance Education**

Assignment No.: 1 Marks: 20

| | | | | | |
|----------------|-----|---------------|---------|------------------|----|
| Course: | BCA | Class: | BCA III | Semester: | VI |
|----------------|-----|---------------|---------|------------------|----|

| | |
|-----------------|----------|
| Subject: | Aptitude |
|-----------------|----------|

Attempt **all** of the Following

(10)

- a) An airplane covers a certain distance at a speed of 240 kmph in 5 hours. At what speed it should travel to cover the same distance in $1\frac{2}{3}$ hours?
- b) If a person walks at 14 km/hr instead of 10 km/hr, he would have walked 20 km more. Calculate the actual distance travelled by him.
- c) A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?
- d) A train can travel 50% faster than a car. Both start from point A at the same time and reach point B 75 kms away from A at the same time. On the way, however, the train lost about 12.5 minutes while stopping at the stations. Calculate the speed of the car.
- e) A man complete a journey in 10 hours. He travels first half of the journey at the rate of 21 km/hr and second half at the rate of 24 km/hr. Find the total journey in km.

Attempt **all** of the Following

(10)

- a) Father is aged three times more than his son Ronit. After 8 years, he would be two and a half times of Ronit's age. After further 8 years, how many times would he be of Ronit's age?
- b) The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?
- c) A father said to his son, "I was as old as you are at the present at the time of your birth". If the father's age is 38 years now, calculate the son's age five years back.
- d) A is two years older than B who is twice as old as C. If the total of the ages of A, B and C be 27, then how old is B?
- e) Present ages of Sameer and Anand are in the ratio of 5 : 4 respectively. Three years hence, the ratio of their ages will become 11 : 9 respectively. What is Anand's present age in years?

* * * * *