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Total No of Pages-03

Examination May –2014  
Communicative English  
Paper Code (BTHU-101)  
Paper Id. [A1103]

Time : 3 Hrs

Maximum Marks: 60

**Instruction to Candidates**

- 1) Section A is Compulsory.
- 2) Attempt any four questions from Section –B

**Section - A**

(10 x2 =20 Marks)

**Q1. Use the following words in meaningful sentences, at least two sentences on each word.**

- (a) Extensive
- (b) Conserve
- (c) Limitation
- (d) Beforehand
- (e) Interchangeable
- (f) Revolution
- (g) Implementation
- (h) Consciences
- (i) Destroy
- (j) Substance

**Section – B (Attempt any Four) (10x4=40 Marks)**

**Q2. Read the following passage and answer the questions given at the end.**

Let us charter a rocket to take us to the moon.

Our rocket must be shot off at a high speed – 6.93 miles a second at least – for if it starts at any lesser speed it will merely fall back to earth, like the shot from an ordinary gun. If it starts with a speed of exactly 6.93 miles a second, it will just get clear of the earth's gravitational pull, but after it has got clear, it will have no appreciable speed left to carry us on our journey. Let us start with a speed of 7 miles a second, then it will still have a speed of 1 mile a second left after it has got clear of the earth's pull, and we shall reach the moon in a little over two days.

We only take a few seconds to pass through the earth's atmosphere, which is relatively hardly thicker than the skin of a plum or a peach. As we pass through this, we gradually leave beneath us all the particles of air, dust, water vapours and so on, which scatter the sun's light and make the sky look blue. As the number of these particles decreases we see the sky assuming in turn the colours – blue, dark blue and black grey. Finally, we leave the earth's atmosphere beneath us and see the sky become jet black, except for the sun, moon and stars. These look brighter than they did from the earth, and also bluer because none of the blue light has been subtracted from them to make a blue sky. And the stars no longer twinkle at us as they did on earth because there is no atmosphere to disturb the even flow of their light. They seem now to stab our eyes with sharp steely needles of light. If we look back at our earth we shall see about half of its surface shrouded in mists, clouds, and showers. But in front, the whole surface of the moon shines out perfectly clear.

- i. Why does the sky turn black beyond the earth's atmosphere?
- ii. Why do the stars twinkle when looked at from the earth?
- iii. Why do moon rockets fly at a speed of more than 6.93 miles per second?
- iv. According to the passage which of the following two statements are true?
  - a) earth's atmosphere is quite thick, relatively speaking.
  - b) earth's atmosphere is quite thin, relatively speaking.
  - c) it takes long to cross the earth's atmosphere
  - d) it takes a little time to cross the earth's atmosphere.
  - e) earth's atmosphere extends to the moon.
- v. Tick the two reasons why the surface of the moon looks clear when viewed from the space
  - a) the sun shines directly and more clearly
  - b) we are closer to the moon
  - c) the moon's atmosphere does not have dust or fog.
  - d) the moon's surface is more clearly defined than the earth's.
  - e) except blue, dark blue and grey, moon doesn't have many colours.

- Q.3 Computers and internet are fast replacing the traditional teachers and books. Many people think that future education will do away with the age old classrooms and libraries? Discuss both the situations and give your opinions about their negative or positive effects on learners. Your write-up should be 250-300 words. (10)
- Q.4. You recently visited a science museum in a metro city and were highly impressed with their collection. Write a letter to your city mayor giving him description of the museum and requesting him to set up a similar institution in you city. Your letter must justify why such a move is an important step in the right direction. (10)
- Q.5 Given below is a comparative chart of two popular cars. On the basis of given data, write a review report for a web site comparing the merits of each car and making recommendation for the benefit of your readers. You should write about 250-300 words. (10)

Specifications and features	Swift VDi	Indica Vista VX
<b>DIMENSIONS</b>		
Length x width x height	3850 x 1695 x 1530mm	3795 x 1695 x 1550mm
Wheelbase	2430mm	2470mm
Ground clearance	170mm	165mm
Weight	1100kg	1192kg
<b>FUEL ECONOMY</b>		
Mileage highway	18.1km/litre	17.75km/litre
Mileage city	13.5km/litre	14.2km/litre
<b>ENGINE</b>		
Type	Diesel CRDI	Diesel CRDI
Displacement	1248 cubic centimetres	1248 cubic centimetres
<b>PERFORMANCE</b>		
Maximum speed	140km/hour	130km/hour
0 -100 kmph	13 seconds	15 seconds
<b>SPECIAL FEATURES</b>		
Rear trunk capacity	180 litres	232 litres
Central Locking	yes	yes
Power steering	yes	yes
Rear wash wiper	no	yes
Tubeless tyres	no	yes
Front Fog lights	yes	yes
CD player	no	yes
Price (approximate)	Rs.5.70 lacs	Rs.5.10 lacs

- Q6. You recently visited cyberary in Vadodara and you are highly impressed with latest techniques of technologies used. Write a letter to your librarian given him description of the system and requesting him to setup a similar cyberary in your Institution. (10)
- Q7. Write a note on your expectations from the new Government. You should limit your note up to 300 words. (10)

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