

The Big Bang is a cosmological model of the universe that has become well supported by several independent observations. After Edwin Hubble discovered that galactic distances were generally proportional to their redshifts in 1929, this observation was taken to indicate that the universe is expanding. If the universe is seen to be expanding today, then it must have been smaller, denser, and hotter in the past. Ironically, the term 'Big Bang' was first coined by Fred Hoyle in a derisory statement seeking to belittle the credibility of the theory that he did not believe to be true. However, the discovery of the cosmic microwave background in 1964 was taken as almost undeniable support for the Big Bang. Furthermore, the cosmic microwave background radiation discovered in 1964 provides strong evidence that due to the expansion, the universe has naturally cooled from an extremely hot, dense initial state. The discovery of the cosmic microwave background led to almost universal acceptance among physicists, astronomers, and astrophysicists that the Big Bang describes the evolution of the universe quite well, at least in its broad outline.

**76) It has been stated in the passage that the expanding of the universe -----**

- A) has always been a matter of dispute and uncertainty among some scholars
- B) could not be proved to be true yet in that there is a lack of technological equipment to make proper analysis
- C) was first suggested by Edwin Hubble and gained support by the scientific community
- D) was discussed in accordance with an celestial observation of Edwin Hubble
- E) was an idea of the credited Edwin Hubble, whose ideas of the event was far from being scientific

**77) It has been mentioned the paragraph that the Big Bang theory, -----**

- A) is a term that has gained little appreciation by most of the scientific community
- B) ,as a term, was argued by Edwin Hubble and was expended as theory by further ideas.
- C) was first uttered by Fred Hoyle, which was not to make a scientific attribution
- D) contradicts with the discovery of the cosmic microwave background
- E) was suggested by the eminent scientist E. Hubble and by one of his contemporaries Fred Hoyle

**78) According to the passage, it is surprising that-----**

- A) the Big Bang theory gained massive support and several varieties of explanations
- B) the universe is expanding in a proportional way
- C) there are redshifts in the universe and they expand ironically
- D) it was Fred Hoyle, who made use of the term Big Bang first
- E) no one yet has been able to exactly prove the truthfulness of the Big Bang theory

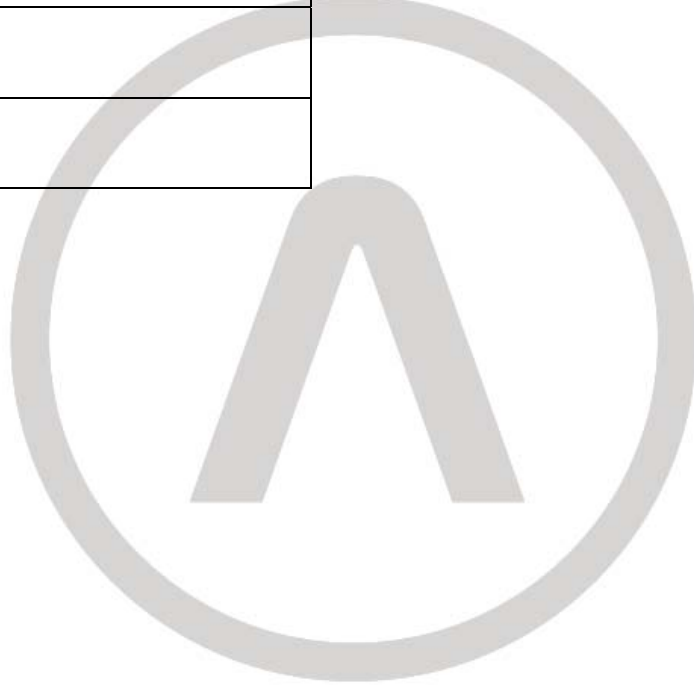
**79) We learn from the paragraph that, if it hadn't been for the discovery of the cosmic microwave background, -----**

- A) the Big Bang theory would not have been able to gain vigorous support
- B) Fred Hoyle's theories would have been proved to be wrong and miscalculated
- C) new disputes would have emerged on whether there are redshifts in the universe
- D) it would be rather hard for us to understand the happenings in the universe
- E) there would probably appear other theories trying to formulate the Big Bang theory

**80) We understand from the passage that a common appreciation among scientists -----**

- A) implied that the findings of Hubble were by far the most satisfying ones
- B) finalized the debates about the expansion of the universe
- C) resulted in a revision of conventional scientific facts of the time
- D) derived other concerns for the microwave radiation threat and has been discussed since 1964
- E) was based on the fact that the Big Bang theory was the best theory to take for granted in reference to the evolution of the universe

76) D	
77) C	
78) D	
79) A	
80) E	



**AKIN**