

**1-Grammar:**

1. The Past Perfect simple tense is used to indicate an action or state that was completed before another past action or time in the text. It helps establish a clear sequence of events in the past. ....(02)
2. The Present Perfect is formed with "had" + the past participle of the main verb. ....(02)

**2-**

- a. Mathematics contributes to science by providing a language, methods, and conclusions. It enables scientists to predict results, describe phenomena, and prepares minds for new ways of thinking ....(03)
- b. The problems involving the effects of gravitational attraction between heavenly bodies in motion, suggested by Copernican astronomy, had been developing the further activities of many scientists in the field of differential equations. ....(03)
- c. "Opinion". ....(02)

**3- Practice : ....(08)**

- a. Kepler had deduced his famous three laws describing the motion of the planets about the sun.
- b. The Englishman Thomas Harriot was the first mathematician who had read status to negative numbers.
- c. We knew the solution of this problem because we had given it in maths magazine.
- d. Amalic Emmy Noether had published a series of papers on the general theory of ideas