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**FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA**  
**B.Sc. Medical Laboratory Science Degree Programme**  
**Year End Examination-Year 3-6<sup>th</sup> Batch**

**Andrology, Sub-fertility and Reproductive Health (MLS 3201)**

Date: 31<sup>st</sup> July 2017 : Time: 9.45 a.m.- 10.45 a.m. Duration: 1 hour

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1. Comment on the following statements.
  - a). Motile sperms can be detected in the peritoneal cavity of a married woman. (25 marks)
  - b). Corpus luteum produces progesterone. (25 marks)
  - c). Acrosome cap contains proteolytic enzymes. (25 marks)
  - d). Eggs get aged with woman's age. (25 marks)
  
2. A patient came to the laboratory to get a seminal fluid sample assessed. He said that he completed the required days of abstinence.
  - a). What is the recommended days of abstinence prior to a seminal fluid assessment? (5 marks)
  - b). List **three** important instructions to be given to this patient before collecting the sample. (15 marks)
  - c). After receiving the sample, what is the first thing to do as a laboratory technician. (10 marks)
  - d). How is the liquefaction of the sample assessed? (25 marks)
  - e). How is the volume of the sample measured? (20 marks)
  - f). How is the motility of sperms assessed? (25 marks)