INTEGRATED SCIENCE PAPER 1

Section A (30 marks)

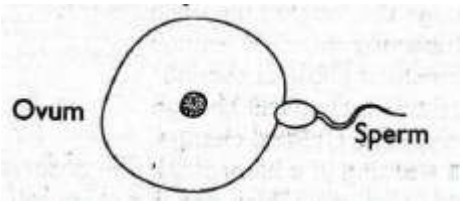
1. Omija, a Grade 8 learner, poured 300 cm^3 of milk to each of his family members during a birthday celebration. What scientific measurement was he applying during the event?

A. Area B. Mass C. Temperature D. Volume

2. Grade 8 learners were classifying substances into magnetic and non-magnetic materials in order to identify the best method of separation of mixtures. Which of the following mixtures could not be separated using a magnet?

A. Small pieces of copper in rice grains
B. Iron filings in flour
C. Tiny pieces of nickel in flour
D. Pieces of cobalt in rice grains.

The diagram below shows a certain process that takes place inside the female human reproductive system. Use it to answer question 3 and 4.



3. Which of the following processes is taking place?

A. Implantation B. Ovulation C. Fertilisation D. Menstruation

4. In which part of the female reproductive system does the process occur?

A. Fallopian tube B. Uterus C. Ovary D. Vagina

5. Karimi, a Grade 8 learner, assigned the following symbols Fe and Hg to particular elements. Which of the following elements were assigned respectively?

A. Fluorine and hydrogen
B. Iron and Mercury
C. Lead and Gold
D. Iron and silver

6. Which of the following processes requires a decrease in temperature?

A. Melting and evaporation
B. Freezing and melting
C. Evaporation and freezing
D. Condensation and freezing

7. During a demonstration on magnetism, Abdi and Mwende drew two bar magnets closer to each other. Which of the following statements was not observed during the demonstration?

A. Like poles repel each other.
B. Unlike poles attract each other
C. North pole repels north pole
D. South pole attracts south pole

8. Which of the following substances is a compound?

A. Lead B. Water C. Copper D. Iron