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COLLEGE OF HEALTH, AGRICULTURE & NATURAL SCIENCES

SLS 203 HAEMATOLOGY SUPPLEMENTARY PRACTICAL EXAMS

END OF SECOND SEMESTER EXAMINATIONS

APRIL/MAY 2019

LECTURER: P NAGO

DURATION: 3 HOURS

INSTRUCTIONS

Do not write your name on the answer sheet

Use Answer Sheets Provided

Begin your answer for Each Question on a New Page

Credit is Given for Neat Presentation

Question 1

Determine the activated partial thromboplastin time test (APTT) on the specimen labeled 2M (25 marks).

- (a) What is the clinical significance of activated partial thromboplastin time test (APTT) test? (5marks)

APTT Procedure:

- 1) Incubate thoroughly mixed reagents at 37 degrees Celsius for 1 minute.
- 2) Also incubate the sample at 37 degrees Celsius for 1 minute.
- 3) Pipette into a clean and dry tube:

Citrated plasma/ sample	100µl
R1	100µl

- 4) Mix and incubate exactly for 5minutes at 37 degrees Celsius (activation time, tilting the tube at intervals).
- 5) Pipette:

R2	100µl
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- 6) On addition of R2, start the stopwatch or timer (**simultaneously**)
- 7) Mix thoroughly and determine the coagulation time by holding the tube and tilt back and forth, checking for a clot formation.
- 8) Stop the timer as soon as the clot forms.

Record and report the APTT result (average of the duplicate tests), that is, run the sample labeled 2M twice and take the average.

Question 2

Perform the reticulocyte test on the specimen labeled Chi -19 & record the results. **(25marks)**

NB: Submit the slide for marking when you have completed the practical.