



BACHELOR OF SCIENCE HONOURS IN NURSING  
 BIOCHEMISTRY – NSU3116 - LEVEL 5  
 FINAL EXAMINATION  
 DURATION: TWO HOURS

DATE: 06<sup>th</sup> MARCH 2019

TIME: 1.30 PM – 3.30 PM

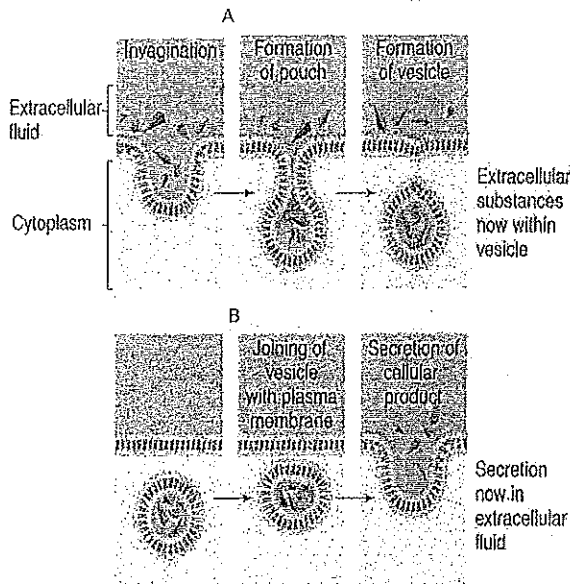
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**Part B –Short Answer Questions**

(40 marks)

Write answers in the space provided.

1. (A) Name the processes A and B. ( 6 marks)



A- .....

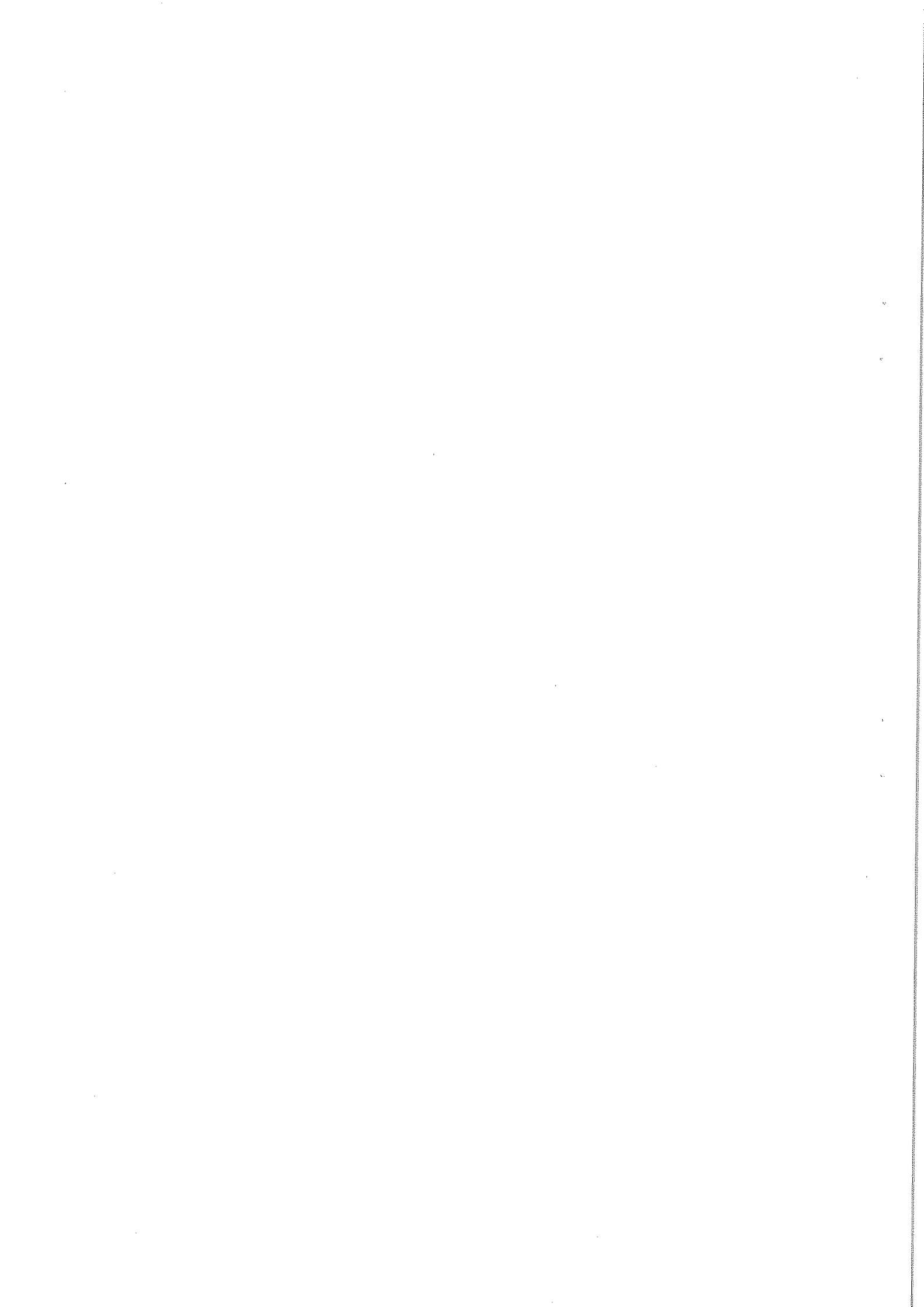
B- .....

(B) Process “A” occurs in three ways. Name the three pathways. (6 marks)

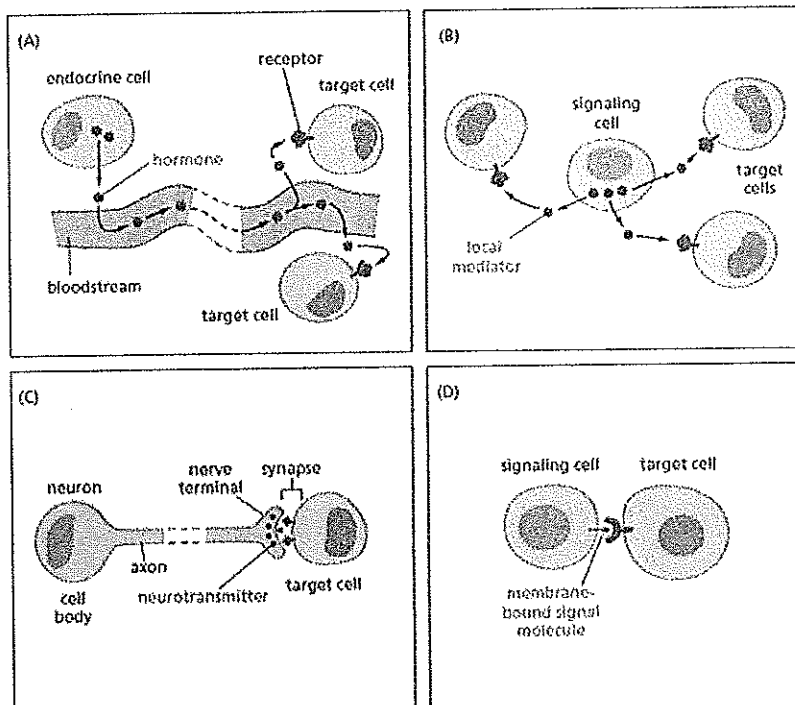
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2. Identify the communication types A, B, C, & D given in the following diagrams. (8 marks)



A-.....

B.....

C-.....

D-.....

3. State 05 factors that will affect the rate of an enzymatic reaction. (5 marks)

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4. Define the term “glycolysis”. (5 marks)

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5. (A) Draw a labelled diagram of a mononucleotide. (7 marks)

(B) Name the 3 mutations that could change the DNA sequence. (3 marks)

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**Part C –Essay Questions***(30 marks)*

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Answer only two (02) questions out of three (03) questions. Write answers in separate sheets.

1. Write an essay on “Transport of Substances Across the Plasma Membrane ”. (15 marks)
2. Compare meiosis and mitosis. (15 marks)
3. Explain the significance of carbohydrates in humans. (15 marks)

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-End-

