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**MATRIC NUMBER: 18/SCI03/004**

**COURSE: BCH202**

**DEPARTMENT: BIOCHEMISTRY**

**DATE: WEDNESDAY 13TH MAY, 2020.**

 **QUESTIONS AND ANSWERS**

1. State four importance of cholesterol
2. It is important for determining the molecule that can pass into and out of the cell (cell permeability).
3. It is a major structural constituent for cell membranes and plasma lipoproteins.
4. It serves as precursor of variety of important products.
5. It aids in protection, insulation of nerve fibres and also provides more efficient conduction of nerve impulses.
6. Differentiate between globosides and gangliosides

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| GLOBOSIDES | GANGLIOSIDES |
| They lack sialic acid | They possess sialic acid |
| They contain two or more sugar molecules attached to ceramide. | They are complex glycolipids derived from glucocerebrosides. |
| They are important constituent of the red blood cell membrane. | They contain oligosaccharides with one or more molecules. |
| They are determinants of the ABO blood group system. | N-acetylneuraminic acid is attached to ceramide. |

1. Methylated form of p