



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**91 CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESS WAY, JABI –**  
**ABUJA**  
**FACULTY OF ARTS**  
**DEPARTMENT OF RELIGIOUS STUDIES**  
**2024 1 EXAMINATION**

**COURSE CODE:** CRS702  
**COURSE TITLE:** COMMON THEMES IN CHRISTIANITY AND ISLAM  
**PROGRAMME:** PGD CHRISTIAN THEOLOGY  
**CREDIT UNIT:** 2  
**TIME ALLOWED:** 2 HOURS  
**INSTRUCTIONS:** ANSWER QUESTION 1 AND ANY TWO (2) QUESTIONS

**QUESTIONS**

1. Elaborate on the Quaranic passages where God's external plan of love to mankind is examined (30 marks).
2. Examine the issues surrounding the concept of the Misuse of Free-will and origin of sin (20 marks).
3. Trace the Biblical contents where Jesus taught His disciples how to pray (20 marks).
4. Illustrate 5 points to support the encouragement for charity (Zakah) (4 marks each).

- iii. Identify which organic compound is principally used for the manufacture of nicotinic acid, which prevents pellagra in humans. (3 marks)
- (2b) i. Mention three starting materials for the skraup synthesis of quinoline. (3 marks)
- ii. List three (3) medicinal properties of the white crystalline alkaloid substance known as quinoline. (3 marks)
- (2c) i. Give the name of the only natural source of quinine (1 mark)
- ii. The only known natural source of quinine is what? (2 marks)
- iii. Quinine is very sensitive to ultraviolet light and will fluoresce in direct sunlight. What is responsible for this property? (3 marks)

### QUESTION THREE

- (3a) i. What do you understand by Reissert adducts? (2 marks)
- ii. Quinine is used in photochemistry as a common fluorescence standard. Identify what is responsible for this. (3 marks)
- iii. Apart from its anti-malaria properties, outline three other uses of Chloroquine (3 marks)
- (3b) i. Give a brief account of discovery and isolation of quinoline in history (2 marks)
- ii. Identify the only known natural source of quinine (2 marks)
- iii. Which organic compound was the first local anesthetic to be synthesized from the quinoline-based group? (2 marks)
- iv. Why is quinine used in photochemistry as fluorescent standard? (2 marks)
- (3c) i. Identify the flavour component of tonic water and bitter lemon (1 mark)
- ii. Write the two (2) heterocycles that combine to form quinine (2 marks)
- iii. The medicinal term for "fever reducing" in drug chemistry is known as what? (1 mark)

### QUESTION FOUR

- (4a) I. Mention the pandemic deficiency disease of the following  
 i. Niacin ii. Vitamin C iii. Thiamin iv. Vitamin D (4 marks)
- II. Enumerate four (4) symptoms in patient for confirmation of niacin deficiency? (4 marks)
- (4b) i. Itemize two synthetic approaches for derivatives of isoquinoline (3 marks)
- ii. A naturally occurring benzylisoquinoline based alkaloid is called what? (1 mark)
- iii. Under what condition can quinoline be transformed to niacin? (2 mark)
- (4c) i. Write does the term NSAID stands for? (1 mark)
- ii. Highlight two major medicinal uses of papaverine (2 marks)
- iii. Why is morphine referred to as gold standard or benchmark of analgesics?