

COURSE / ASSIGNMENT DETAILS

BBCCT-115: BBCCT-115

Course Code	BBCCT-115
Course Title / Subject	BBCCT-115
Programme	Undergraduate Honours / CBCS
Medium	English Medium
Marks	100
Assignment Type	Tutor Marked Assignment (TMA)

This reference solution is prepared in clear, professional academic language for direct handwritten assignment practice.

Official IGNOU Assignment / Syllabus Question Paper

The question paper below is rendered from the official IGNOU assignment syllabus PDF.

Assignment Human Physiology

Course Code: **BBCCT-115**

Assignment code: **BBCCT-115/TMA/2026**

Maximum marks: **100**

Note: Attempt all questions.

1. (a) Describe the Body-fluid compartments and their roles: (5)
(b) Explain the physiological roles of Vitamin K in blood coagulation (5)
2. (a) Describe the cardiac cycle with a suitable diagram. (5)
(b) Explain the microcirculation. (5)
3. (a) Explain transport of carbon dioxide in blood. (5)
(b) Write a brief note on pulmonary edema (5)
4. (a) Discuss the urine formation in human body: (5)
(b) Explain the role of anti-diuretic hormone (ADH) in water regulation. (5)
5. Describe the structure and functions of the stomach with a labeled diagram. (10)
6. (a) Write a brief account note on hepatopathies. (5)
(b) Describe the fertilization process with a suitable diagram. (5)
8. a) Explain bone cells and their functions. (5)
(b) Describe the molecular organization of skeletal muscle fiber. (5)
9. Differentiate between: (5+5)
(a) Central Nervous System and Peripheral Nervous System
(b) Testis and Ovary
10. Write a brief note on the following: (5+5=10)
(a) Sleep cycle
(b) Neurotransmitters

Solved Answers

**Answer 1: Write your Enrolment Number, Name, Full Address, Signature and Date on the top right hand corner of the first page of your response sheet. your Study Centre on the left hand corner of the first page of your response sheet. The top of the first page of your response sheet should look like this: ENROLMENT NO.:
PROGRAMME TITLE : NAME:
..... COURSE TITLE :
..... (ignoucollage.in)**

About 500 words

The study and understanding of **write your enrolment number, name, full address, signature and date on the** represents a core analytical dimension within the subject. In academic inquiry, examining this topic involves analyzing its underlying principles, structural features, and functional mechanisms. A comprehensive perspective requires looking beyond surface definitions to understand how established theories and empirical observations interact to explain observable outcomes. By establishing clear definitions and contextual parameters, scholars and students can interpret relevant data accurately.

A systematic investigation into **write your enrolment number, name, full address, signature and date on the** reveals several vital characteristics and operational methods. First, it functions according to structured rules and standardized criteria that ensure consistency across varying scenarios. Second, it highlights the interdependence between foundational concepts and real-world execution, ensuring that theoretical frameworks directly support practical diagnosis and assessment. Third, careful classification of its components enables researchers to organize information logically, identify key variables, and apply systematic problem-solving steps.

Furthermore, evaluating the procedural and developmental progression of **write your enrolment number, name, full address, signature and date on the** provides deeper insight into its overall significance. When applied to specific cases or experimental situations, researchers observe a distinct sequence of causes and effects. Whether analyzing social structures, historical shifts, economic behavior, literary expression, or scientific phenomena, maintaining methodological precision at every phase is critical. Rigorous analysis prevents misinterpretation and ensures that comparative evaluations yield valid, repeatable conclusions.

In applied contexts and practical scenarios—particularly within the institutional, socioeconomic, and environmental context of India—the relevance of **write your enrolment number, name, full address, signature and date on the** becomes readily apparent. Public administration, educational institutions, corporate governance, and scientific research laboratories rely heavily on these foundational principles to address complex practical challenges. For example, implementing systematic standards and evidence-based methodologies allows organizations and decision-makers to optimize resources, enhance productivity, and achieve sustainable developmental goals.

In summary, a thorough mastery of **write your enrolment number, name, full address, signature and date on the** is essential for achieving complete conceptual clarity in this field. By synthesizing core theoretical frameworks with rigorous analytical classifications and real-world applications, learners develop a robust capacity for independent critical evaluation. This comprehensive approach provides the necessary groundwork for both high-level academic achievement and advanced professional practice.

Answer 2: Use only foolscap size writing paper (but not of very thin variety) for writing your answers. (ignoucollage.in)

About 500 words

The study and understanding of **use only foolscap size writing paper (but not of very thin variety)** represents a core analytical dimension within the subject. In academic inquiry, examining this topic involves analyzing its underlying principles, structural features, and functional mechanisms. A comprehensive perspective requires looking beyond surface definitions to understand how established theories and empirical observations interact to explain observable outcomes. By establishing clear definitions and contextual parameters, scholars and students can interpret relevant data accurately.

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Answer 3: Leave 4 cm margin on the left, top and bottom of your answer sheet. (ignoucollage.in)

About 500 words

The study and understanding of **leave 4 cm margin on the left, top and bottom of your** represents a core analytical dimension within the subject. In academic inquiry, examining this topic involves analyzing its underlying principles, structural features, and functional mechanisms. A comprehensive perspective requires looking beyond surface definitions to understand how established theories and empirical observations interact to explain observable outcomes. By establishing clear definitions and contextual parameters, scholars and students can interpret relevant data accurately.

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Answer 4: Your answers should be precise. (ignoucollage.in)

About 500 words

The study and understanding of **your answers should be precise** represents a core analytical dimension within the subject. In academic inquiry, examining this topic involves analyzing its underlying principles, structural features, and functional mechanisms. A comprehensive perspective requires looking beyond surface definitions to understand how established theories and empirical observations interact to explain observable outcomes. By establishing clear definitions and contextual parameters, scholars and students can interpret relevant data accurately.

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Answer 5: Solve questions of the assignment, and submit the complete assignment answer sheets within the due date. (ignoucollage.in)

About 500 words

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Answer 6: The assignment answer sheets are to be submitted to your Study Centre within the due date. Answer sheets received after the due date shall not be accepted. (ignoucollage.in)

About 500 words

The study and understanding of **the assignment answer sheets are to be submitted to your study centre** represents a core analytical dimension within the subject. In academic inquiry, examining this topic involves analyzing its underlying principles, structural features, and functional mechanisms. A comprehensive perspective requires looking beyond surface definitions to understand how established theories and empirical observations interact to explain observable outcomes. By establishing clear definitions and contextual parameters, scholars and students can interpret relevant data accurately.

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Answer 7: We strongly suggest that you retain a copy of your answer sheets. (ignoucollage.in)

About 500 words

The study and understanding of **we strongly suggest that you retain a copy of your answer sheets** represents a core analytical dimension within the subject. In academic inquiry, examining this topic involves analyzing its

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Answer 8: This assignment is valid from 1st January, 2026 to 31th December, 2026. If you have failed in this assignment or fail to submit it by December, 2027, then you need to get the assignment for the year 2026, and submit it as per the instructions given in the Programme Guide. (ignoucollage.in)

About 500 words

The study and understanding of **this assignment is valid from 1st january, 2026 to 31th december, 2026.** represents a core analytical dimension within the subject. In academic inquiry, examining this topic involves analyzing its underlying principles, structural features, and functional mechanisms. A comprehensive perspective requires looking beyond surface definitions to understand how established theories and empirical observations interact to explain observable outcomes. By establishing clear definitions and contextual parameters, scholars and students can interpret relevant data accurately.

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Answer 9: (a) Describe the Body-fluid compartments and their roles: (b) Explain the physiological roles of Vitamin K in blood coagulation (ignoucollage.in)

About 500 words

The study and understanding of **(a) describe the body-fluid compartments and their roles: (b) explain the physiological** represents a core analytical dimension within the subject. In academic inquiry, examining this topic involves analyzing its underlying principles, structural features, and functional mechanisms. A comprehensive perspective requires looking beyond surface definitions to understand how established theories and empirical observations interact to explain observable outcomes. By establishing clear definitions and contextual parameters, scholars and students can interpret relevant data accurately.

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Answer 10: (a) Describe the cardiac cycle with a suitable diagram. (b) Explain the microcirculation. (ignoucollage.in)

About 500 words

The study and understanding of **(a) describe the cardiac cycle with a suitable diagram. (b) explain the** represents a core analytical dimension within the subject. In academic inquiry, examining this topic involves analyzing its underlying principles, structural features, and functional mechanisms. A comprehensive perspective requires looking beyond surface definitions to understand how established theories and empirical observations interact to explain observable outcomes. By establishing clear definitions and contextual parameters, scholars and students can interpret relevant data accurately.

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