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B.Sc./2nd Sem/MDC/25(NEP)

2025

2nd Semester Examination (CCFUP : NEP)

Paper : MDC 2-T

**COMMUNITY NUTRITION
AND PUBLIC HEALTH**

Full Marks . 40

Time . Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *five* questions : $2 \times 5 = 10$

1. What is atherosclerosis?
2. Write down the full form of NRDP and UNICEF.
3. What is IDD?
4. Define AAY.
5. Distinguish between mortality and morbidity.
6. What is Herd Immunity?
7. Name the causes associated with endemic goiter.
8. What is GOBI campaign?

P.T.O.

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Group - B

Answer any **four** questions $5 \times 4 = 20$

9. Write down the objectives and functions of ICDS. 2+3
10. Mention the etiology of COPD. How do you prevent it from the perspectives of secondary and tertiary prevention? 2+3
11. Describe the causes and management of thalassemia. 2+3
12. What is food security? What are the factors affecting food security? 1+4
13. Briefly discuss about the management system of TPDS.
14. Write short notes on : FAO and WHO $2\frac{1}{2} + 2\frac{1}{2}$

Group - C

Answer any **one** question $10 \times 1 = 10$

15. Describe the ANC schedule. Write down the food consumption pattern in different parts of India. 5+5
16. Discuss the role of UNICEF in child protection. How does malnutrition in children can be prevented in a community? 5+5

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NATURAL RESOURCE MANAGEMENT

Full Marks 40

Time Two Hours

The figures in the margin indicate full marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *five* questions . $2 \times 5 = 10$

1. What is a wetland and give an example?
2. Name two threats to marine ecosystems.
3. Mention any two major forest products.
4. Define sustainable utilization of natural resources.
5. Define carbon footprint.
6. What is GIS in the context of resource management?
7. Define renewable resources with example.
8. Define biogas energy. What is the source of it?

P.T.O.

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Group - B

Answer any **four** questions $5 \times 4 = 20$

9. Discuss the economic and ecological approaches to sustainable utilization of natural resources. $2\frac{1}{2} + 2\frac{1}{2}$
10. Discuss the role of international efforts in resource conservation and give relevant examples.
11. Explain any two causes of soil degradation and suggest their management strategies.
12. What is Environmental Impact Assessment (EIA)? Explain its importance in contemporary resource management. $2 + 3$
13. What is the biodiversity prospecting? Briefly discuss the function of IPR. $2 + 3$
14. Write the causes of expansion of deserts.

Group - C

Answer any **one** question $10 \times 1 = 10$

15. Critically evaluate national and international efforts taken for conservation and sustainable management of natural resources.
16. What is compost? Discuss the effect of Waste on environment. Discuss the merits of wind energy. $1 + 5 + 4$

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Paper : MDC 2-T

DIGITAL TECHNOLOGIES

Full Marks 40

Time . Two Hours

The figures in the margin indicate full marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *five* questions $2 \times 5 = 10$

- 1 Define different types of software with examples.
2. Name the basic components used in a computer.
3. What is the significance of using transmission media in a network?
4. Distinguish between a web browser and a search engine.
5. Define the term 'e-Wallet'
6. What are the applications of the block chain technology?

PT.O.

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7. What do you mean by UPI?
8. List the merits and demerits of social networking.

Group - B

Answer any **four** questions $5 \times 4 = 20$

9. Write the benefits and challenges of e-Commerce technologies.
10. Explain the technologies associated with digital marketing.
11. How e-Payments and Settlement system works? Explain with a diagram.
12. Write the full forms of NEFT/RTGS and IMPS. How does PoS work? $3+2$
13. Compare between Twisted pair and Fiber optic cable.
14. Mention some applications of Artificial Intelligence. How Cloud Computing can be integrated with IoT? $2+3$

Group - C

Answer any **one** question : $10 \times 1 = 10$

15. Compare LAN, MAN and WAN. What are the needs of digital payment systems? $6+4$
16. Write short notes on (any **four**) 2.5×4

(a) e-mail

(25)

(b) Robotics

(c) Aadhaar enabled Payment System (AePS)

(d) Virtual Reality

(e) 3D Printing

বঙ্গানুবাদ

বিভাগ - ক

যে-কোনো পাঁচটি প্রশ্নের উত্তর দাও $2 \times 5 = 10$

১। বিভিন্ন ধরনের সফটওয়্যার সংজ্ঞায়িত করো এবং উদাহরণ দাও।

২। একটি কম্পিউটারে ব্যবহৃত মৌলিক উপাদানগুলির নাম লেখো।

৩। নেটওয়ার্ক ট্রান্সমিশন মিডিয়া ব্যবহারের তাৎপর্য কী?

৪. ওয়েব ব্রাউজার ও সার্চ ইঞ্জিনের মধ্যে পার্থক্য করো।

৫। ই-ওয়ালেট (e-Wallet) শব্দটির সংজ্ঞা দাও

৬। ব্লকচেইন প্রযুক্তির প্রয়োগক্ষেত্রগুলি কী কী?

৭। UPI বলতে তুমি কী বোঝো?

৮। সামাজিক নেটওয়ার্কিং-এর সুবিধা ও অসুবিধাগুলি তালিকাভুক্ত করো