

TILAK MAHARASHTRA VIDYAPEETH, PUNE
M.SC. IN NUTRITION & FOOD SCIENCE
EXAMINATION : DECEMBER 2023
FIRST SEMESTER

Sub. : Classification of Aahariya Dravya & Clinical Bio-Chemistry (M.Sc. CB-114)

Date: 09/12/2023

Total marks: 60

Time: 10.00 am to 12.30 pm

Instructions: 1) All questions are compulsory. 2) Figures to the right indicate full marks.

SECTION A

Q. 1 Select the correct alternative. (5)

1. On the basis of Vipak categories, elements (Dravya) are classified into _____ types.
a) 2
b) 3
c) 4
d) 6
2. Lavan Rasa increases.
a) Vata
b) Kapha
c) Pitta
d) b & c
3. Laghu guna is having _____ dominance.
a) Vayu
b) Aakash
c) Jala
d) Both a & b
4. Karma of Sheeta guna is _____.
a) Sweating
b) Stiffness
c) hardness
d) none
5. Bruhan is karma of _____ Rasa.
a) Amla
b) Katu
c) Madhur
d) Lavan

Q. 2 Answer the following questions. (Any Two) (10)

1. Amla Vipak
2. Write functions of Katu Rasa.
3. Explain Grahi Karma with the help of their composition, functions and examples.

Q. 3 Answer any 1 of the following. (15)

1. Write in detail about any three Karma.
2. Write in detail about Dravya & its classification.

SECTION B

Q. 1 Select the correct alternative. (5)

1. _____ contain highest amount of protein in their structure.
a) HDL
b) LDL
c) VLDL
d) Chylomicron
2. The synthesis of ketone bodies occur in _____.
a) Liver
b) Muscle
c) Lungs
d) Stomach
3. G6PD occurs due to the deficiency of _____.
a) Glucose 6 phosphate dehydrogenase
b) Fructokinase
c) Phenyl alanine hydroxylase
d) Transketolase

4. The amino acid tyrosine is used in the synthesis of _____
- a) Dopamine
 - b) Thyroxine
 - c) Melanin
 - d) all of the above
5. Which among the following is not a BCAA?
- a) Leucine
 - b) isoleucine
 - c) lysine
 - d) valine

Q. 2 Answer the following questions. (Any One) (15)

1. Explain Gluconeogenesis in detail.
2. Define hormones and give their types along with their major functions.

Q. 3 Write a Short note. (Any two) (10)

1. Maple syrup disease.
 2. Kreb's cycle.
 3. Beta-oxidation of fatty acids.
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