

Roll No.....

Total No. of Questions : 05

Total No. of Printed Pages : 02

Code No. : B-292(B)

Annual Examination - 2017

B.Sc.-III

BIOCHEMISTRY

Paper-II

NUTRITIONAL, CLINICAL AND ENVIRONMENTAL

BIOCHEMISTRY

Max.Marks : 50

Min.Marks : 17

Time : 3 Hrs.

ବ୍ୟାକ୍ ପରିପାଦିତ କ୍ଷେତ୍ରରେ ଯେଉଁଠାରେ କାମ କରିବାରେ ନାହିଁ ।

Note : Attempt one question from each unit. All questions carry equal marks.

Unit-I

ପରିପାଦିତ କ୍ଷେତ୍ରରେ ଯେଉଁଠାରେ କାମ କରିବାରେ ନାହିଁ ।

What are principles of balanced diet? Explain high cost and low cost balanced diet.

OR

(i) ଅଧିକାରୀ ସ୍କୁଲର୍ କ୍ଷେତ୍ରରେ ଯେଉଁଠାରେ କାମ କରିବାରେ ନାହିଁ ।

Describe physiological functions of vitamin 'A'.

(r) ଅଧିକାରୀ ସ୍କୁଲର୍ କ୍ଷେତ୍ରରେ ଯେଉଁଠାରେ କାମ କରିବାରେ ନାହିଁ ।

Give the consequences of deficiency of vitamin D.

Unit-II

ପରିପାଦିତ କ୍ଷେତ୍ରରେ ଯେଉଁଠାରେ କାମ କରିବାରେ ନାହିଁ ।

Explain determination of heat production of diet.

OR

(i) ମରାମତ୍ତା କେମ୍ବାର୍ କିମ୍ବା ମରାମତ୍ତା କେମ୍ବାର୍ କିମ୍ବା ମରାମତ୍ତା କେମ୍ବାର୍ କିମ୍ବା ।

What do you mean by malnutrition? Describe Marasmus.

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What do you mean by malnutrition? Describe Marasmus.

P.T.O.

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(2)

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(r) हां जे गतोंहा यें अं उपयोग में नहीं? एक्सी नहीं उपयोग का विवर दें?

What do you understand by food adulteration and what precautions should be taken for that?

Unit-III

Zaīā-3. एक्सी रसायनिक संशोधन का अर्थ बताएं और इसका विवर दें।

What is the significance of chemical analysis of blood? Describe any two chemical analysis.

OR

(i) एक्सी यांत्रिक रसायनिक संशोधन के बारे में लिखें।

Write a note on collection and preservation of blood serum.

(r) तांत्रिक रसायनिक संशोधन का विवर दें।

Discuss collection and preservation of urine.

Unit-IV

Zaīā-4. जैविक जैविक रसायनिक संशोधन का अर्थ बताएं।

Describe the inborn errors of amino acid metabolism.

OR

जैविक रसायनिक संशोधन का अर्थ बताएं।

Discuss the role of following enzymes :

i) SGOT ii) शोनिटेक्स (Cholinesterase)

Unit-V

Zaīā-5. प्रदूषकों के द्वारा जैविक रसायनिक संशोधन का अर्थ बताएं।

Give the effects of pollutants on plants and animals.

OR

(i) आमोनियम का जैविक रसायनिक संशोधन का अर्थ बताएं।

Describe any one method of estimation of nitrogen.

(r) धूम्रपान के द्वारा जैविक रसायनिक संशोधन का अर्थ बताएं।

Write down the effect of sulphur on environmental pollution.

(2)

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What is the significance of chemical analysis of blood? Describe any two chemical analysis.

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Discuss collection and preservation of urine.

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