भाग-1

3322355

M 14085749

नामांकन संख्या

अनुक्रमांक (अंकों में)

अनुक्रमांक (शब्दों में)

हस्ताक्षर

कक्ष निरीक्षक का नाम

परीक्षार्थी द्वारा सम्पूर्ण विवरण भर लिए गये है।

परीक्षार्थी का पूरा नाम Nikita Sharma

R

2018- भाग-2

M.Sc. Internal

चौधरी चरण सिंह विश्वविद्यालय, मेरठ
Ch. Charan Singh University, Meerut

निम्नलिखित विवरण परीक्षार्थी द्वारा स्वयं भरा जाए (To be filled by the Examinee)

परीक्षा का नाम (Name of Exam) M.Sc वर्ष 20 (Year 20.....) 19-20 भाग/सेमेस्टर (Part / Semester) II

विषय (Subject) Zoology प्रश्न-पत्र/पाठ्यक्रम (Paper /Course) Biochemistry पेपर कोड नं. (Paper Code No.) (H-2065)

परीक्षा का दिन (Day of Examination) Monday दिनांक (Date) 6-May

6/5/19

प्राप्तांक एवं पूर्णांक परीक्षकों द्वारा भरे जायें

पूर्णांक (Max. Marks)

प्रश्नों की क्रम संख्या	a/I	b/II	c/III	d/IV	e/V	f/VI	g/VII	h/VIII	i/IX	j/X	योग
1	½	1	1	½	1						3
2	2										2
3	3 ½ 2										5½
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											

10½ = 11

Nikita

प्राप्तांक

(शब्दों में)	अंकों में

जाँचकर्ता के हस्ताक्षर एवं तिथि

परीक्षक के हस्ताक्षर एवं तिथि

2018- भाग-3

चौधरी चरण सिंह विश्वविद्यालय, मेरठ

R

आवश्यक निर्देशों हेतु पृष्ठ भाग देखें

Date Stamp to be affixed here

(परीक्षार्थी द्वारा भरा जाए)

परीक्षा का नाम M.Sc भाग/सेमेस्टर II

विषय Zoology

प्रश्न पत्र Biochemistry दिनांक 6 May

परीक्षार्थी का अनुक्रमांक (Roll Number)

उत्तर-पुस्तिका क्रमांक KM-I-01-

कालेज कोड 0 1 8

(परीक्षार्थी की श्रेणी)

- संस्थागत ●
- व्यक्तिगत ○
- बैक पेपर ○
- अंक सुधार ○
- भूतपूर्व ○
- एकल विषय ○

नामांकन संख्या (Enrollment Number) M 14085749

पेपर कोड H-2065

परीक्षार्थी का पूरा नाम NIKITA SHARMA

कक्ष निरीक्षक का नाम

Sec-A

Very short Answer Questions

Q-1 Difference between Purine and pyrimidine

Ans

Purine	Pyrimidine
① Purine part of DNA also RNA	Pyrimidine part of DNA & RNA found in pyrimidine.
② Purine are two type	Pyrimidine are three type
(1.) Adenine	(1) Cytosine
(2-) Guanine	(2.) Thymine (DNA)
	(3-) Uracil (RNA)

1

(3.) Triple bond Present in Purine.

(3.) Double bond Prent in Pyrimidine.

(2.) Difference between cDNA and cDNA

Ans 2

cDNA	CDNA
① cDNA full form Complementry DNA.	① CDNA - This is name part of DNA structure.

3. Difference between vitamine and enzyme.

Vitamine	enzyme
(1.) Vitamine are essential	(1.) enzyme are essential

	for our body.	for our body
2.	We get vitamine food	enzyme already found in our body.

Q-4 Difference between co-factor and enzyme

Co-factor	enzyme
(1.) Co factor are protein	(1.) enzyme made up of amino acid. We already found in our body. Discovered by Buchner.
Co-factor are two type-	
(1.) Inorganic co-factor	
(2) Organic co-factor	

Sec - C

10. Mechanism of Glycolysis

Ans

Glucose

↓ Hexoniase

2 ATP
2 ADP

Glucose - 6 - Phosphate

↓ Glucose isomerase

Fructose - 6 - Phosphate

↓

fructose isomerase

fructose - 1 - 6 Bisphosphate

GAPH

DAPH

GAPH Hydrolysis

1, 3 Biophospate Glycerate

Biophospate Glycerate

3 phosphate Glycerate

↓

2 ADP → 2 ATP

Phosphate Glycerate

↓

3½

2 Phosphate Glycerate

Organic structure missing

calculation product missing

↓

Endo nivate

Endol pyruvate

↓

2 ADP → 2 ATP

Pyruvate

Sec - C

Que Conformation of protein

Ans Protein - Protein are very essential for our ~~protein~~ body. We get protein food.

Some source of protein - Egg, Dal etc.

Types of protein & structure

1. Primary structure

(2.) Secondary structure

(3.) Tertiary structure

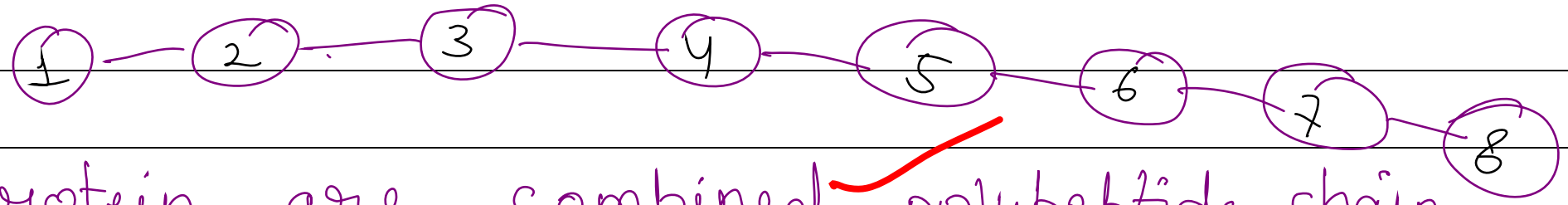
(4.) Quationary structure

Name of the protein

1. Albumine
2. Leucine
3. Globunin

(4) Fibrongin

(5) Velenin



Protein are combined polypeptide chain.

2

Sec-B

Short Answer Questions

7. What is pH and its role in digestion

Ans

pH

pH is negative

$pH = -[H] \log$

Acid base balance

If pH $[H^+]$ and concentration $[OH^-]$

Then Acidic.

If pH (OH^-) and concentration (H^+)

Then Basic.

7 is neutral < Acidic ≤ basic

Scale of pH

1	2	3	4	5	6	7	8	9	10	11	12	13	14

Acidic — basic

Strong — weak — weak — strong

Ist digestion our Mouth by saliva

pH = 1.5 to 3.5 ? ✗

IInd digestion our stomach

IIIrd digestion our small intestine