

# National Board of Examinations

<b>Question Paper Name :</b>	DNB Biochemistry Paper2
<b>Subject Name :</b>	DNB Biochemistry Paper2
<b>Creation Date :</b>	2023-10-15 14:13:41
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DNB Biochemistry Paper2

<b>Group Number :</b>	1
<b>Group Id :</b>	3271872450
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	180
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Group Marks :</b>	100
<b>Is this Group for Examiner? :</b>	No
<b>Examiner permission :</b>	Cant View
<b>Show Progress Bar? :</b>	No

## DNB Biochemistry Paper2

<b>Section Id :</b>	3271872453
<b>Section Number :</b>	1
<b>Section type :</b>	Offline

<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions to be attempted :</b>	10
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	3271872457
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 32718724733 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

**Please write your answers in the answer booklet within the allotted pages as follows:-**

Question Number	Answer to be attempted within	Question Number	Answer to be attempted within
Q. 1	Page 1-5	Q. 6	Page 26-30
Q. 2	Page 6-10	Q. 7	Page 31-35
Q. 3	Page 11-15	Q. 8	Page 36-40
Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. Name the different types of porphyria and add a note on laboratory test of blood and urine test for porphyria. [10]

**Question Number : 2 Question Id : 32718724734 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Describe the mechanism and regulation of ATP synthesis. [10]

**Question Number : 3 Question Id : 32718724735 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Discuss about double marker test, triple test, quadruple test and penta marker test. [10]

**Question Number : 4 Question Id : 32718724736 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Describe the different ABC transporters present in human and the diseases due to mutation of ABC transporters. [10]

**Question Number : 5 Question Id : 32718724737 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Enumerate the extended lipid profile. Describe the metabolism of LDL. What is the role of PCSK 9 inhibitors? [10]

**Question Number : 6 Question Id : 32718724738 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Explain branched chain amino acids metabolism. Add a note on Maple Syrup urine disease and its lab diagnosis. [10]

**Question Number : 7 Question Id : 32718724739 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Discuss biochemical theory of aging and biomarkers of aging. How resveratrol act? [10]

**Question Number : 8 Question Id : 32718724740 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Mechanism of action of hormones with suitable examples. [10]

**Question Number : 9 Question Id : 32718724741 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Glycemic index and glycemic load. [10]

**Question Number : 10 Question Id : 32718724742 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

a) Fat burn under flame of carbohydrates. [5]

b) Advanced glycation end protein cause damage in diabetic mellitus, justify it. [5]