



TEST

Practice Test (7C: Amino acids)



10 Questions



10 min

Topics

General Structure of Amino Acids found in Proteins, Zwitter Ion, Acid base properties of Amino Acids., Amino Acids on the basis of Nature of R-group., Peptide bond formation

[Start Test](#)

09 : 58



1/10



10 min



Hint

Q : In the formation of Zwitter ion which one of the following donates the proton?



NH_2



$\text{CH}_2\text{COO}^{-1}$



COOH



^{-1}OH

1

2

3

4

5

6

7

09 : 57



2/10



10 min



Hint

Q : All the naturally occurring amino acids are



α - amino acids



β - amino acids



γ - amino acids



δ - amino acids

1

2

3

4

5

6

7

09 : 56



3/10



10 min



Hint

Q : Peptide linkage is similar to



Ester linkage



ether linkage



amide linkage



none of these

1

2

3

4

5

6

7

09 : 54



4/10



10 min



Hint

Q : A peptide having molecular mass up to ___ is called polypeptide.



1000



10000



100000



1000000

1

2

3

4

5

6

7

09 : 53



5/10



10 min



Hint

Q :

All of the following are neutral amino acids except



Glycine



Histidine



Valine



Proline

1

2

3

4

5

6

7

09 : 52



6/10



10 min



Hint

Q : The number of peptide bonds are present in pentapeptide molecule



One



Two



Four



Five

1

2

3

4

5

6

7

09 : 50



7/10



10 min



Hint

Q : The number of nitrogen atoms present in Histidine are



1



2



3



4

1

2

3

4

5

6

7

09 : 48



8/10



10 min



Hint

Q : Number of amine group present in lysine and valine are



2, 1



1, 2



2, 2



1, 1

4

5

6

7

8

9

10

09 : 46



9/10

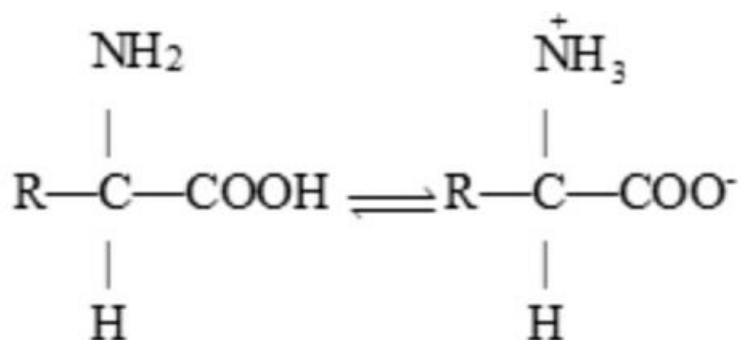


10 min



Hint

Q : Both the given structures _____ are each other



A

Metamers

B

Tautomers

C

Isotopes

D

Functional group isomers

4

5

6

7

8

9

10

09 : 45



10/10



10 min



Hint

Q : In which of the following amino acids, the number of COOH group is greater than the number of -NH_2



Glycine



Histidine



Glutamic acid



Proline

4

5

6

7

8

9

10



Practice Test (7C: Amino acids)



Correct



Unattempted



Incorrect



1/10

Q : In the formation of Zwitter ion which one of the following donates the proton?



NH₂



CH₂COO⁻¹



COOH



⁻¹OH

1

2

3

4

5

6

7



Practice Test (7C: Amino acids)



Correct



Unattempted



Incorrect



2/10

Q : All the naturally occurring amino acids are



α - amino acids



β - amino acids



γ - amino acids



δ - amino acids

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2

3

4

5

6

7



Practice Test (7C: Amino acids)



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Incorrect



3/10

Q : Peptide linkage is similar to



Ester linkage



ether linkage



amide linkage



none of these

1

2

3

4

5

6

7



Practice Test (7C: Amino acids)



Correct



Unattempted



Incorrect



4/10

Q : A peptide having molecular mass up to ___ is called polypeptide.



1000



10000



100000



1000000

1

2

3

4

5

6

7



Practice Test (7C: Amino acids)



Correct



Unattempted



Incorrect



5/10

Q:

All of the following are neutral amino acids except

A

Glycine

B

Histidine

C

Valine

D

Proline

1

2

3

4

5

6

7



Practice Test (7C: Amino acids)



Correct



Unattempted



Incorrect



6/10

Q : The number of peptide bonds are present in pentapeptide molecule



One



Two



Four



Five

1

2

3

4

5

6

7



Practice Test (7C: Amino acids)



Correct



Unattempted



Incorrect



7/10

Q : The number of nitrogen atoms present in Histidine are



1



2



3



4

1

2

3

4

5

6

7



Practice Test (7C: Amino acids)



Correct



Unattempted



Incorrect



8/10

Q : Number of amine group present in lysine and valine are



2, 1



1, 2



2, 2



1, 1

4

5

6

7

8

9



Practice Test (7C: Amino acids)

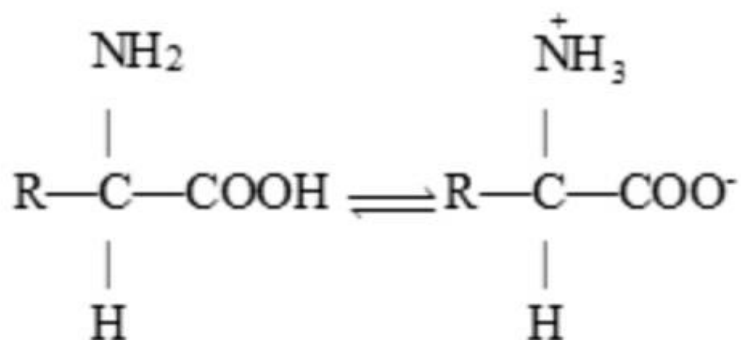


Incorrect



9/10

Q : Both the given structures _____ are each other



A

Metamers

B

Tautomers

C

Isotopes

D

Functional group isomers

4

5

6

7

8

9



Practice Test (7C: Amino acids)



Correct



Unattempted



Incorrect



10/10

Q : In which of the following amino acids, the number of COOH group is greater than the number of -NH₂

A

Glycine

B

Histidine

C

Glutamic acid

D

Proline

4

5

6

7

8

9

10



TEST

Test Level-1 (7C: Amino acids)



20 Questions



20 min

Topics

General Structure of Amino Acids found in Proteins, Zwitter Ion, Acid base properties of Amino Acids., Amino Acids on the basis of Nature of R-group., Peptide bond formation

[Start Test](#)

19 : 58



1/20



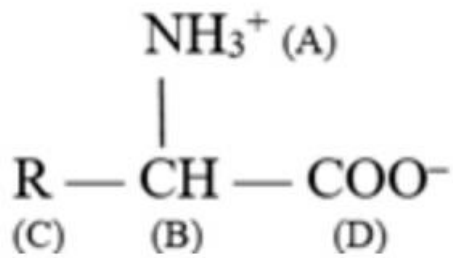
20 min



HINT

Q :

Acidic character of amino acids is associated to which of following labeled group:



A

A

B

C

C

B

D

D

1

2

3

4

5

6

7

19 : 56



2/20



20 min



Hint

Q : Which of the following is unsaturated amino acid:



Histidine



Lycine



Valine



Proline

1

2

3

4

5

6

7

19 : 54



3/20



20 min



Hint

Q : Basic amino acids have two



Carboxylic groups



amino groups



alkyl groups



hydrogen atoms

1

2

3

4

5

6

7

19 : 53



4/20



20 min



Hint

Q : Glutamic and aspartic are ____ amino acids but lysine and histidine are _____ amino acids.

A

Acidic, basic

B

basic, acidic

C

acidic, acidic

D

basic, basic

1

2

3

4

5

6

7

19 : 52



5/20



20 min



Hint

Q : Human body can synthesize _____ amino acids called non – essential amino acids.

A 10

B 20

C 30

D 28

1

2

3

4

5

6

7

19 : 51



6/20



20 min



Hint

Q : Glycine has ____taste.



Sweet



bitter



tasteless



none of these



19 : 49



7/20



20 min



Hint

Q : Tyrosine was first isolated from



Ants



bread



cheese



None of these

1

2

3

4

5

6

7

19 : 47



8/20



20 min



Hint

Q : The number of water molecules eliminate in heptapeptide are



7



6



5



8

4

5

6

7

8

9

1

19 : 46



9/20



20 min



Hint

Q : The basic properties of amino acids are due to the presence of ____group.



Amino group



acid group



both a & b



zwitter ion

4

5

6

7

8

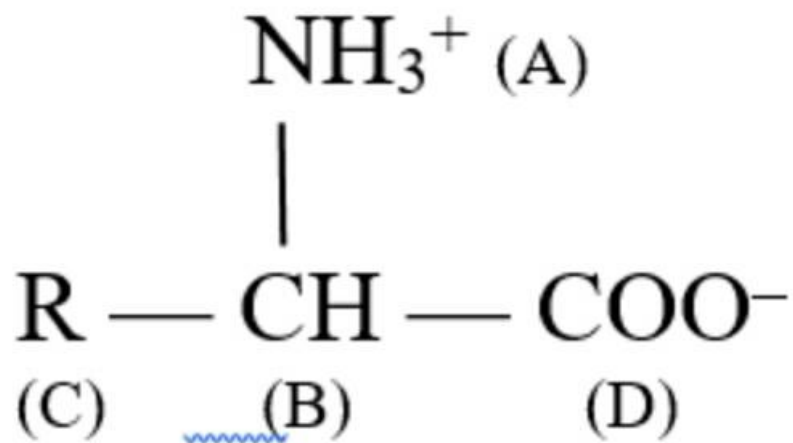
9

1

19 : 44



Q : The group which is different in glycine and alanine?



A

B

C

D

4

5

6

7

8

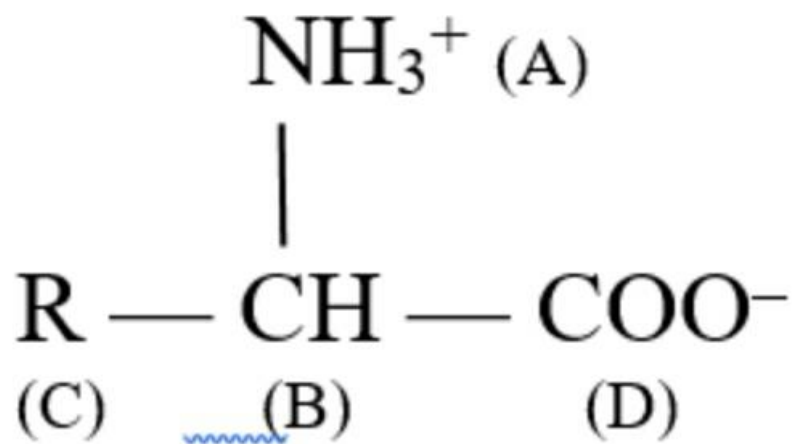
9

10

19 : 42



Q : The group which is different in glycine and alanine?



A

B

C

D

4

5

6

7

8

9

10

19 : 40



11/20



20 min



Hint

Q :

Which of the following has an amino R group



Glycine



Lycine



Valine



Proline

7

8

9

10

11

12

13

19 : 39



12/20

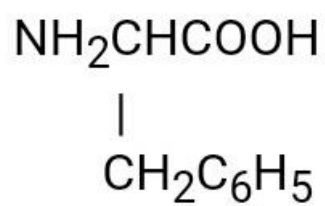
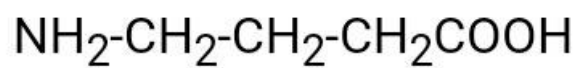
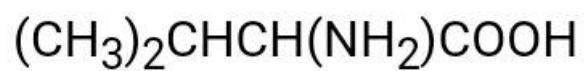
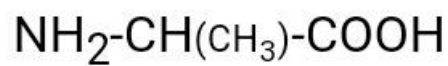


20 min



Hint

Q : Which of the following structures is not an α -amino acid?



7

8

9

10

11

12

13

19 : 37



13/20



20 min



Hint

Q : In formation of protein, carboxylic group of one amino acid and amino group of other amino acid condensed together to give



Peptide linkage



Ester linkage



1 → 6 glycosidic linkage



β 1-4 Glycosidic linkage.

7

8

9

10

11

12

13

19 : 35



14/20



20 min



Hint

Q : In proline how many methylene groups are present



4



1



2



3

11

12

13

14

15

16

17

19 : 34



15/20



20 min



Hint

Q : _____ when treated with a mixture of NaNO_2 and HCl produces lactic acid



Glycine



Lysine



Alanine



Valine

11

12

13

14

15

16

17

19 : 33



16/20



20 min



Hint

Q : A polypeptide is conventionally called a protein if it has



Less than 10,000 amino acid units



Molar mass more than 10,000 (g/mol)



More than 10,000 amino acid units



Molar mass less than 10,000 (g/mol)

11

12

13

14

15

16

17

19 : 31



17/20



20 min



Hint

Q :
2-Aminoethanoic acid is the IUPAC name
of



Glycine



Proline



Alanine



Lysine

1

12

13

14

15

16

17

19 : 29



18/20



20 min



Hint

Q : Number of amine group present in lysine and glycine are



2, 1



1, 2



2, 2



1, 1

14

15

16

17

18

19

20

19 : 28



19/20



20 min



Hint

Q : Which one of the following reagent is used for identification of amino acid?



Fehling's solution



Ninhydrin



Bendict's solution



Copper sulphate

14

15

16

17

18

19

20

19 : 26



20/20



20 min



Hint

Q : Amino acid which contains greater number of NH_2 group than COOH group is



Lysine



Proline



Aspartic acid



Valine

4

15

16

17

18

19

20



Test Level-1 (7C: Amino acids)

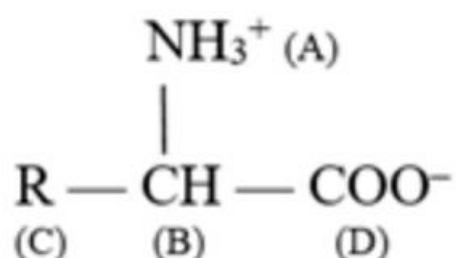
Incorrect



1/20

Q:

Acidic character of amino acids is associated to which of following labeled group:



A

A

B

C

C

B

D

D

1

2

3

4

5

6

7



Test Level-1 (7C: Amino acids)



Correct



Unattempted



Incorrect



2/20

Q : Which of the following is unsaturated amino acid:



Histidine



Lycine



Valine



Proline

1

2

3

4

5

6

7



Test Level-1 (7C: Amino acids)



Correct



Unattempted



Incorrect



3/20

Q : Basic amino acids have two



Carboxylic groups



amino groups



alkyl groups



hydrogen atoms

1

2

3

4

5

6

7



Test Level-1 (7C: Amino acids)



Correct



Unattempted



Incorrect



4/20

Q : Glutamic and aspartic are ____ amino acids but lysine and histidine are ____ amino acids.



Acidic, basic



basic, acidic



acidic, acidic



basic, basic

1

2

3

4

5

6

7



Test Level-1 (7C: Amino acids)



Correct



Unattempted



Incorrect



5/20

Q : Human body can synthesize _____ amino acids called non – essential amino acids.



10



20



30



28

1

2

3

4

5

6

7



Test Level-1 (7C: Amino acids)



Correct



Unattempted



Incorrect



6/20

Q : Glycine has ____taste.



Sweet



bitter



tasteless



none of these

1

2

3

4

5

6

7



Test Level-1 (7C: Amino acids)



Correct



Unattempted



Incorrect



7/20

Q : Tyrosine was first isolated from



Ants



bread



cheese



None of these

1

2

3

4

5

6

7



Test Level-1 (7C: Amino acids)



Correct



Unattempted



Incorrect



8/20

Q : The number of water molecules eliminate in heptapeptide are



7



6



5



8

4

5

6

7

8

9

10



Test Level-1 (7C: Amino acids)



Correct



Unattempted



Incorrect



9/20

Q : The basic properties of amino acids are due to the presence of ____group.



Amino group



acid group



both a & b



zwitter ion

4

5

6

7

8

9

10



Test Level-1 (7C: Amino acids)



Correct



Unattempted

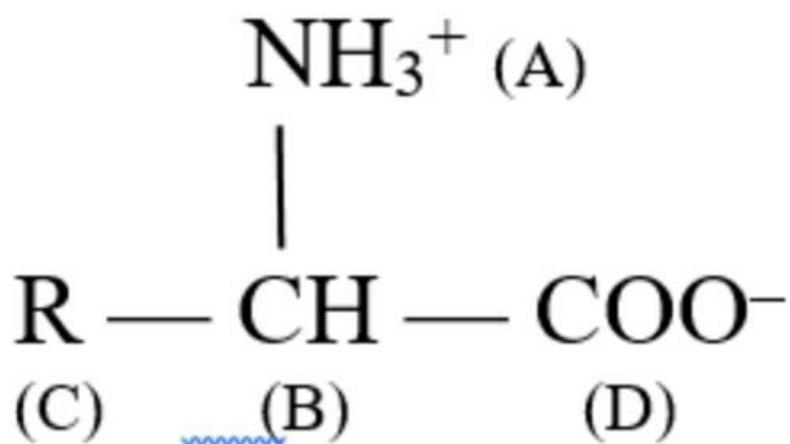


Incorrect



10/20

Q : The group which is different in glycine and alanine?



A

A

B

B

4

5

6

7

8

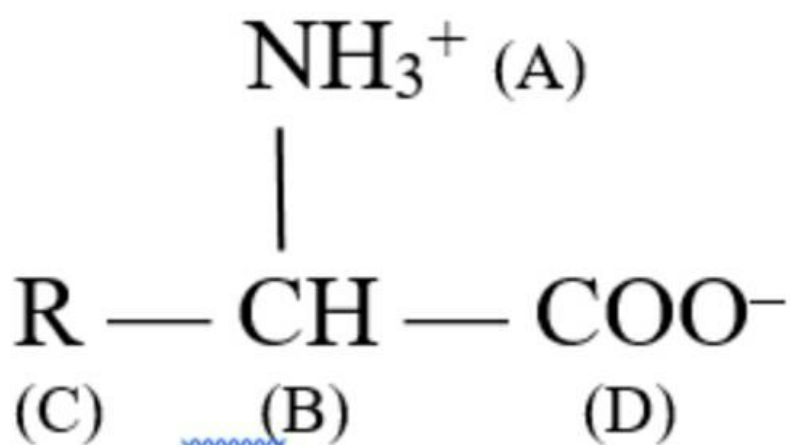
9

10



Test Level-1 (7C: Amino acids)

Q : The group which is different in glycine and alanine?



A

B

C

4

5

6

7

8

9

10



Test Level-1 (7C: Amino acids)



Correct



Unattempted



Incorrect



11/20

Q :

Which of the following has an amino R group



Glycine



Lycine



Valine



Proline

5

7

8

9

10

11

12



Test Level-1 (7C: Amino acids)



Correct



Unattempted



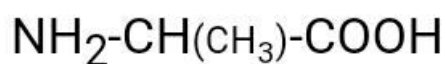
Incorrect



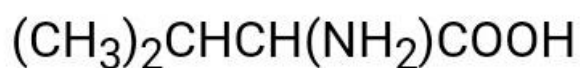
12/20

Q : Which of the following structures is not an α -amino acid?

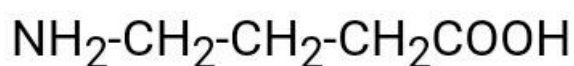
A



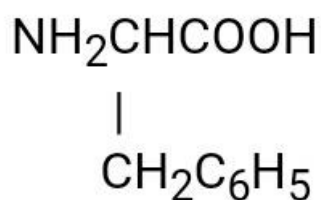
B



C



D



5

7

8

9

10

11

12



Test Level-1 (7C: Amino acids)



Correct



Unattempted



Incorrect



13/20

Q : In formation of protein, carboxylic group of one amino acid and amino group of other amino acid condensed together to give



Peptide linkage



Ester linkage



1 → 6 glycosidic linkage



β 1-4 Glycosidic linkage.

9

10

11

12

13

14



Test Level-1 (7C: Amino acids)



Correct



Unattempted



Incorrect



14/20

Q : In proline how many methylene groups are present



4



1



2



3

9

10

11

12

13

14



Test Level-1 (7C: Amino acids)



Correct



Unattempted



Incorrect



15/20

Q : _____ when treated with a mixture of NaNO_2 and HCl produces lactic acid

A

Glycine

B

Lysine

C

Alanine

D

Valine

10

11

12

13

14

15

1



Test Level-1 (7C: Amino acids)



Correct



Unattempted



Incorrect



16/20

Q : A polypeptide is conventionally called a protein if it has



Less than 10,000 amino acid units



Molar mass more than 10,000 (g/mol)



More than 10,000 amino acid units



Molar mass less than 10,000 (g/mol)

12

13

14

15

16

17

18



Test Level-1 (7C: Amino acids)



Correct



Unattempted



Incorrect



17/20

Q :
2-Aminoethanoic acid is the IUPAC name
of



Glycine



Proline



Alanine



Lysine

12

13

14

15

16

17

1



Test Level-1 (7C: Amino acids)



Correct



Unattempted



Incorrect



18/20

Q : Number of amine group present in lysine and glycine are



2, 1



1, 2



2, 2



1, 1

14

15

16

17

18

19



Test Level-1 (7C: Amino acids)



Correct



Unattempted



Incorrect



19/20

Q : Which one of the following reagent is used for identification of amino acid?



Fehling's solution



Ninhydrin



Bendict's solution



Copper sulphate

14

15

16

17

18

19



Test Level-1 (7C: Amino acids)



Correct



Unattempted



Incorrect



20/20

Q : Amino acid which contains greater number of NH_2 group than COOH group is



Lysine



Proline



Aspartic acid



Valine

4

15

16

17

18

19

20



TEST

Test Level-2 (7C: Amino acids)



30 Questions



30 min

Topics

Amino Acids

Start Test

29 : 58



1/30



30 min



Hint

Q : The IUPAC name of alanine is



2-Aminobutanoic acid



2-Aminopropanoic acid



2-Ethanoic acid



2-Aminopropionic acid

1

2

3

4

5

6

7

29 : 57



2/30



30 min



Hint

Q : The number of amino acids in a pentapeptide are



1



3



2



5



29 : 56



3/30



30 min



Hint

Q : The pair of amino acids that has more number of carboxyl groups as compared to amino groups



Histidine and lysine



Proline and glycine



Histidine and alanine



Aspartic acid and glutamic acid



29 : 54



4/30



30 min



Hint

Q : The simplest amino acid is



Proline



Glycine



Alanine



Valine

1

2

3

4

5

6

7

29 : 53



5/30



30 min



Hint

Q : Which of the following amino acids is essential, basic and aliphatic in nature



Alanine



Lysine



Histidine



Proline

1

2

3

4

5

6

7

29 : 52



6/30



30 min



Hint

Q : The amino acid which contains both primary and secondary amino group is



Lysine



Proline



Alanine



Histidine

1

2

3

4

5

6

7

29 : 50



7/30

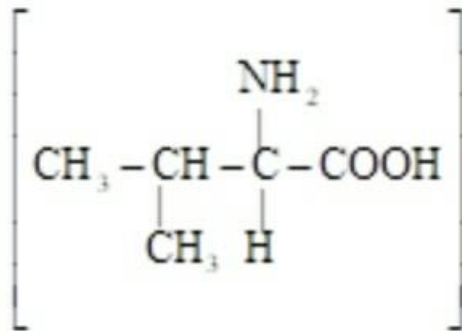


30 min



Hint

Q : Name of given amino acid



A Alanine

B Proline

C Valine

D Lysine

1

2

3

4

5

6

7

29 : 48



8/30



30 min



Hint

Q : The total number of carbon atoms in glutamic acid



2



3



4



5

3

4

5

6

7

8

9

29 : 47



9/30



30 min



Hint

Q : Which one is non-essential amino acid



Valine



Alanine



Lysine



Histidine

3

4

5

6

7

8

9

29 : 46



10/30



30 min



Hint

Q : Among the following amino acids which contain more number of nitrogen atoms



Valine



Aspartic acid



Alanine



Lysine

5

6

7

8

9

10

11

29 : 44



11/30



30 min



Hint

Q : The amino acids which contain non-polar alkyl group



Lysine



Histidine



Alanine



Aspartic acid

5

6

7

8

9

10

11

29 : 43



12/30



30 min



Hint

Q : The R-group is polar in



Alanine



Aspartic acid



Glycine



Valine

8

9

10

11

12

13

29 : 42



13/30



30 min



Hint

Q : The unsaturated heterocyclic amino acid is



Histidine



Proline



Lysine



Both "A" and "B"

8

9

10

11

12

13

29 : 40



14/30



30 min



Hint

Q : What is true about valine



It must be supplied to our bodies through our diet



Its deficiency in our diet may not cause diseases



It does not show optical isomerism



It is a basic amino acid

9

10

11

12

13

14

15

29 : 39



15/30



30 min



Hint

Q : The following carboxylic acid is used to synthesized alanine amino acid



Methanoic acid



Ethane dioic acid



Propane dioic acid



Propanoic acid

9

10

11

12

13

14

15

29 : 37



16/30



30 min



Hint

Q : In the name of amino acid Tryosine,
"Tryos" shows



Sugar



Cheese



Butter



Milk

11

12

13

14

15

16

17

29 : 36



17/30



30 min



Hint

Q : Which one is not amino acid



Aspartic acid



Picric acid



Glutamic acid



Valine

1

12

13

14

15

16

17

29 : 34



18/30



30 min



Hint

Q : There are three peptide bonds present in a molecule of a



Tripeptide



Tetrapeptide



Pentapeptide



Dipeptide

14

15

16

17

18

19

20

29 : 33



19/30

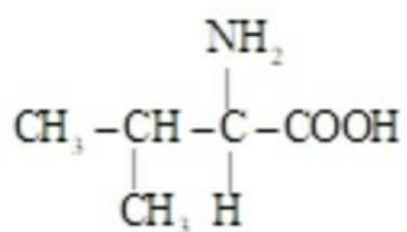


30 min



Hint

Q : Number of chiral centers in



A

2

B

1

C

3

D

4

14

15

16

17

18

19

20

29 : 32



20/30



30 min



Hint

Q : Number of neutral amino acids are



2



10



15



3

4

15

16

17

18

19

20

29 : 30



21/30

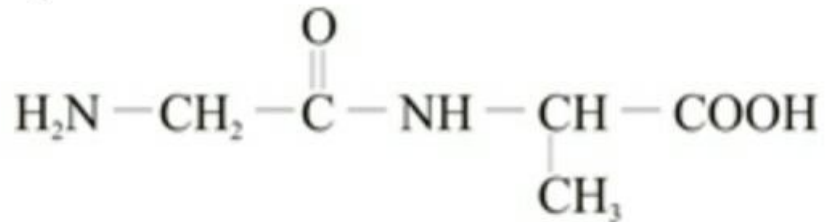


30 min



Hint

Q : The name of the amino acid



A

Alanylglycine

B

Glycylalanine

C

Lysylglycine

D

Glycylvaline

6

17

18

19

20

21

22

29 : 29



22/30



30 min



Hint

Q : Which of the following amino acid has polar R group



Glutamic acid



Glycine



Valine



Alanine

6

17

18

19

20

21

22

29 : 27



23/30



30 min



Hint

Q : Which of the following is not an aliphatic amino acid?



Glycine



Valine



Alanine



Histidine

18

19

20

21

22

23

29 : 25



24/30



30 min



Hint

Q : The acidic character of amino acids is due to



Amino group



Carbonyl group



Carboxylate ion



Carboxyl group

19

20

21

22

23

24

25

29 : 24



25/30



30 min



Hint

Q : Which of the following pair is incorrect?

A

Name	Nature
Glutamic acid	Acidic

B

Name	Nature
Glycine	Neutral

C

Name	Nature
Alanine	Acidic

D

Name	Nature
Proline	Neutral

9

20

21

22

23

24

25

29 : 06



25/30



30 min



Hint

Q : Which of the following pair is incorrect?

A

Nature	Type
Acidic	Gla

B

Nature	Type
Neutral	Gly

C

Nature	Type
Acidic	Ala

D

Nature	Type
Neutral	Pro

20

21

22

23

24

25

26

29 : 01



27/30



30 min



Hint

Q : Which of the following is non-essential amino acids?



Lysine



Valine



Histidine



Proline

23

24

25

26

27

28

29 : 00



28/30



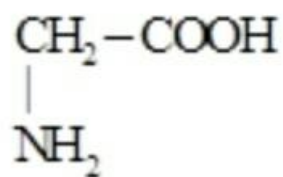
30 min



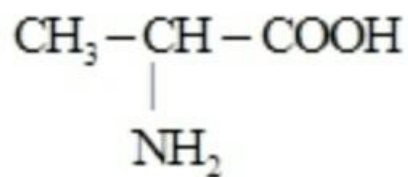
Hint

Q : The structure of valine is

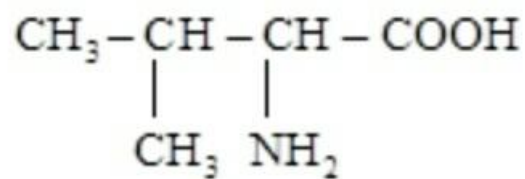
A



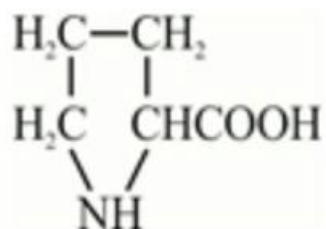
B



C



D



23

24

25

26

27

28

28 : 58



29/30



30 min



Hint

Q : Side chain in the structure of α -amino acid is represented by



COOH



R



NH₂



H

24

25

26

27

28

29

28 : 57



30/30



30 min



Hint

Q : α -carbon of nature occurring amino acid is always _____ hybridized



sp



sp²



sp³



dsp²

24

25

26

27

28

29

30



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



1/30

Q : The IUPAC name of alanine is



2-Aminobutanoic acid



2-Aminopropanoic acid



2-Ethanoic acid



2-Aminopropionic acid

1

2

3

4

5

6

7



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



2/30

Q : The number of amino acids in a pentapeptide are



1



3



2



5

1

2

3

4

5

6

7



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



3/30

Q : The pair of amino acids that has more number of carboxyl groups as compared to amino groups



Histidine and lysine



Proline and glycine



Histidine and alanine



Aspartic acid and glutamic acid

1

2

3

4

5

6

7



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



4/30

Q : The simplest amino acid is



Proline



Glycine



Alanine



Valine

1

2

3

4

5

6

7



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



5/30

Q : Which of the following amino acids is essential, basic and aliphatic in nature



Alanine



Lysine



Histidine



Proline

1

2

3

4

5

6

7



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



6/30

Q : The amino acid which contains both primary and secondary amino group is



Lysine



Proline



Alanine



Histidine

1

2

3

4

5

6

7



Test Level-2 (7C: Amino acids)



Correct



Unattempted

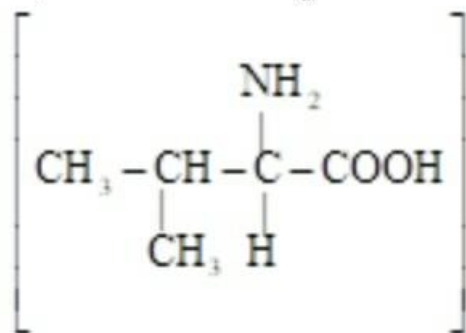


Incorrect



7/30

Q : Name of given amino acid



A

Alanine

B

Proline

C

Valine

D

Lysine

1

2

3

4

5

6

7



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



8/30

Q : The total number of carbon atoms in glutamic acid



2



3



4



5

3

4

5

6

7

8

9



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



9/30

Q : Which one is non-essential amino acid



Valine



Alanine



Lysine



Histidine

3

4

5

6

7

8

9



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



10/30

Q : Among the following amino acids which contain more number of nitrogen atoms



Valine



Aspartic acid



Alanine



Lysine

5

6

7

8

9

10

11



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



11/30

Q : The amino acids which contain non-polar alkyl group



Lysine



Histidine



Alanine



Aspartic acid

5

6

7

8

9

10

11



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



12/30

Q : The R-group is polar in



Alanine



Aspartic acid



Glycine



Valine

7

8

9

10

11

12



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



13/30

Q : The unsaturated heterocyclic amino acid is



Histidine



Proline



Lysine



Both "A" and "B"

9

10

11

12

13

14



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



14/30

Q : What is true about valine



It must be supplied to our bodies through our diet



Its deficiency in our diet may not cause diseases



It does not show optical isomerism



It is a basic amino acid

9

10

11

12

13

14



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



15/30

Q : The following carboxylic acid is used to synthesized alanine amino acid



Methanoic acid



Ethane dioic acid



Propane dioic acid



Propanoic acid

1

12

13

14

15

16

17



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



16/30

Q : In the name of amino acid Tryosine, "Tryos" shows



Sugar



Cheese



Butter



Milk

1

12

13

14

15

16

17



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



17/30

Q : Which one is not amino acid



Aspartic acid



Picric acid



Glutamic acid



Valine

1

12

13

14

15

16

17



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



18/30

Q : There are three peptide bonds present in a molecule of a



Tripeptide



Tetrapeptide



Pentapeptide



Dipeptide

3

14

15

16

17

18

19



Test Level-2 (7C: Amino acids)



Correct



Unattempted

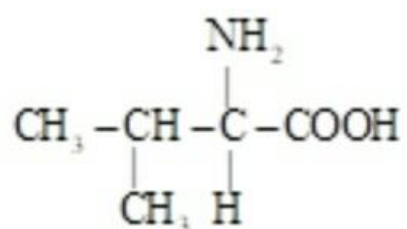


Incorrect



19/30

Q : Number of chiral centers in



A

2

B

1

C

3

D

4

3

14

15

16

17

18

19



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



20/30

Q : Number of neutral amino acids are



2



10



15



3

15

16

17

18

19

20

21



Test Level-2 (7C: Amino acids)



Correct



Unattempted

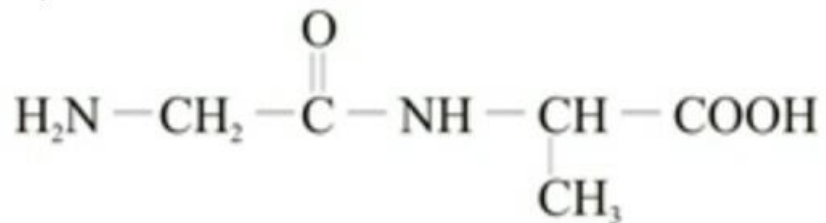


Incorrect



21/30

Q : The name of the amino acid



A

B

C

D

5

16

17

18

19

20

21



Test Level-2 (7C: Amino acids)



Correct



Unattempted

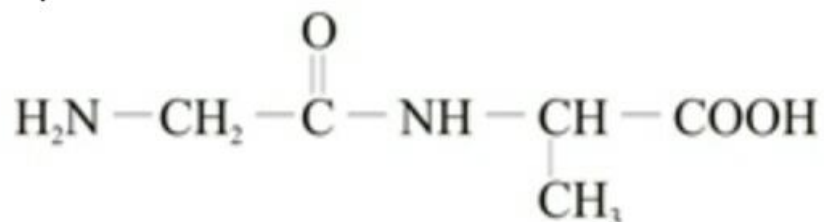


Incorrect



21/30

Q : The name of the amino acid



A

Alanylglycine

B

Glycylalanine

C

Lysylglycine

D

Glycylvaline

17

18

19

20

21

22

23



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



22/30

Q : Which of the following amino acid has polar R group



Glutamic acid



Glycine



Valine



Alanine

17

18

19

20

21

22

23



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



23/30

Q : Which of the following is not an aliphatic amino acid?



Glycine



Valine



Alanine



Histidine

7

18

19

20

21

22

23



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



24/30

Q : The acidic character of amino acids is due to



Amino group



Carbonyl group



Carboxylate ion



Carboxyl group

19

20

21

22

23

24

25



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



25/30

Q : Which of the following pair is incorrect?

A

Name	Nature
Glutamic acid	Acidic

B

Name	Nature
Glycine	Neutral

C

Name	Nature
Alanine	Acidic

D

Name	Nature
Proline	Neutral

20

21

22

23

24

25

26



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



26/30

Q : Formation of internal salt from amino acid is an example of



Tautomerism



Metamerism



Chain isomerism



Functional group isomerism

20

21

22

23

24

25

26



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



27/30

Q : Which of the following is non-essential amino acids?



Lysine



Valine



Histidine



Proline

22

23

24

25

26

27



Test Level-2 (7C: Amino acids)



Correct



Unattempted



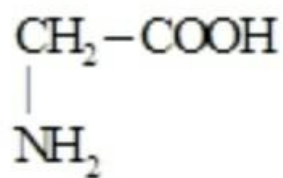
Incorrect



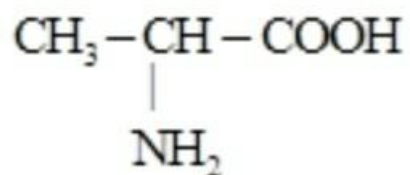
28/30

Q : The structure of valine is

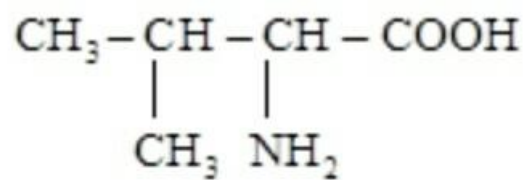
A



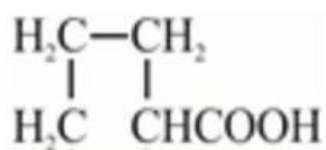
B



C



D



24

25

26

27

28

29

30



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



29/30

Q : Side chain in the structure of α -amino acid is represented by

A

COOH

B

R

C

NH₂

D

H

24

25

26

27

28

29

30



Test Level-2 (7C: Amino acids)



Correct



Unattempted



Incorrect



30/30

Q : α -carbon of nature occurring amino acid is always _____ hybridized



sp



sp²



sp³



dsp²

24

25

26

27

28

29

30