National Testing Agency

Question Paper Name :	PGQP51 16th Sept 2021 Shift 1
Subject Name :	PGQP51
Creation Date :	2021-09-16 14:44:29
Duration :	120
Total Marks :	400
Display Marks:	Yes

PGQP51

Group Number :	1
Group Id :	864351314
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	400
Is this Group for Examiner? :	No

PART A-General

Section Id :	8643511170
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory

ZOLLEGE.in

Number of Questions :	25
Number of Questions to be attempted :	25
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	8643511403
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 86435127105 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Select the correct word that can best complete the given sentence :

Marriages between members of extended family were _____ to strengthen the ties of relationship.

1. mentioned
2. promoted
3. indulged
4. performed

Options :

86435192871. 1

86435192872. 2

86435192873. 3

86435192874. 4

Question Number : 2 Question Id : 86435127106 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

From the choices given below, select the pair which exhibits the same relationship as the one in capitalized pair of words :

SOLDIER : REGIMENT

1. clown : circus
2. actor : troupe
3. dancer : ballet
4. instrument : musician

Options :

86435192875. 1

86435192876. 2

86435192877. 3

86435192878. 4

Question Number : 3 Question Id : 86435127107 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is correctly spelt?

1. Surruptitious
2. Surepptitious
3. Surrepcitious
4. Surreptitious

Options :

86435192879. 1

86435192880. 2

86435192881. 3

86435192882. 4

Question Number : 4 Question Id : 86435127108 Question Type : MCQ Option Shuffling : No Is

ZOLLEGE.in

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is nearest in meaning to the word '**EDIFY**'?

1. Instruct
2. Satisfy
3. Amuse
4. Consume

Options :

86435192883. 1

86435192884. 2

86435192885. 3

86435192886. 4

Question Number : 5 Question Id : 86435127109 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

There was nobody to attend _____ the complaints of the passengers.

1. on
2. in
3. to
4. for

Options :

86435192887. 1

86435192888. 2

86435192889. 3

86435192890. 4

Question Number : 6 Question Id : 86435127110 Question Type : MCQ Option Shuffling : No Is

ZOLLEGE.in

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A post without remuneration is known as

1. voluntary
2. sinecure
3. sincere
4. honorary

Options :

86435192891. 1

86435192892. 2

86435192893. 3

86435192894. 4

Question Number : 7 Question Id : 86435127111 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Select the most suitable antonym :

EXPEDITION

1. Silence
2. Explanation
3. Undertaking
4. Delay

Options :

86435192895. 1

86435192896. 2

86435192897. 3

86435192898. 4

ZOLLEGE.in

Question Number : 8 Question Id : 86435127112 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Fill in the blanks with right words :

Lakshman was initially _____ at the suggestion but later started _____ it himself.

1. thrilled, negating
2. frowning, rejecting
3. impressed, negating
4. shocked, advocating

Options :

86435192899. 1

86435192900. 2

86435192901. 3

86435192902. 4

Question Number : 9 Question Id : 86435127113 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Identify the meaning of the idiom from the options given :

Miss the boat

1. let too much time go by to complete a task
2. long for something that you don't have
3. miss out on an opportunity
4. not know the difference between right and wrong

Options :

86435192903. 1

86435192904. 2

86435192905. 3

ZOLLEGE.in

86435192906. 4

Question Number : 10 Question Id : 86435127114 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

These grapes _____ sour.

1. are testing
2. tasted
3. taste
4. have tested

Options :

86435192907. 1

86435192908. 2

86435192909. 3

86435192910. 4

Question Number : 11 Question Id : 86435127115 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In a certain code THRIVES is written as SIUHRDU. How is SOULFUL written in that code?

1. VPTKKTE
2. VPTKETK
3. TPVKKTE
4. TNRKMVG

Options :

86435192911. 1

86435192912. 2

86435192913. 3

ZOLLEGE.in

86435192914. 4

Question Number : 12 Question Id : 86435127116 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

What will come in place of the question mark (**?**) in the expression?

$1050 \div 25 \times 51 - 1942 = ?$

1. 152
2. 200
3. 252
4. 300

Options :

86435192915. 1

86435192916. 2

86435192917. 3

86435192918. 4

Question Number : 13 Question Id : 86435127117 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

There are five statues L, M, N, O and P each of them having different height. Statue L is smaller than only statue M. Statue O is smaller than statue N. Statue O is longer than statue P. The height of the tallest statue is 20 feet. The height of the second smallest statue is 11 feet. What will be the height of statue P?

1. 9 feet
2. 12 feet
3. 13 feet
4. 15 feet

Options :

86435192919. 1

ZOLLEGE.in

86435192920. 2

86435192921. 3

86435192922. 4

Question Number : 14 Question Id : 86435127118 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Ashok started walking towards South. After walking 50 meters he took a right turn and walked 30 meters. He then took a right turn and walked 100 meters. He again took a right turn and walked 30 meters and stopped. How far he from the starting point?

1. 180 meters
2. 150 meters
3. 50 meters
4. None of these

Options :

86435192923. 1

86435192924. 2

86435192925. 3

86435192926. 4

Question Number : 15 Question Id : 86435127119 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The number, whose square is equal to the difference of the squares of the numbers 68 and 32, is

1. 36
2. 48
3. 60
4. 64

Options :

ZOLLEGE.in

86435192927. 1

86435192928. 2

86435192929. 3

86435192930. 4

Question Number : 16 Question Id : 86435127120 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which one of the following is not a prime number?

1. 31
2. 61
3. 71
4. 91

Options :

86435192931. 1

86435192932. 2

86435192933. 3

86435192934. 4

Question Number : 17 Question Id : 86435127121 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

1397 x 1397 = ?

1. 1981709
2. 1951609
3. 1836219
4. 1902179

Options :

86435192935. 1

ZOLLEGE.in

86435192936. 2

86435192937. 3

86435192938. 4

Question Number : 18 Question Id : 86435127122 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

What least number must be added to 1056, so that the sum is completely divisible by 23?

1. 21
2. 18
3. 3
4. 2

Options :

86435192939. 1

86435192940. 2

86435192941. 3

86435192942. 4

Question Number : 19 Question Id : 86435127123 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Choose the correct answer :

7845 - ? = 8461 - 3569

1. 2953
2. 2773
3. 3569
4. 2352

Options :

ZOLLEGE.in

86435192943. 1

86435192944. 2

86435192945. 3

86435192946. 4

Question Number : 20 Question Id : 86435127124 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which country is called the 'Land of Fiords' ?

1. Sweden
2. Italy
3. Norway
4. Singapore

Options :

86435192947. 1

86435192948. 2

86435192949. 3

86435192950. 4

Question Number : 21 Question Id : 86435127125 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The biggest part of the brain is

1. cerebrum
2. spinal cord
3. cerebellum
4. brain stem

Options :

86435192951. 1

ZOLLEGE.in

86435192952. 2

86435192953. 3

86435192954. 4

Question Number : 22 Question Id : 86435127126 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Name the person who was also known as 'Deshbandhu'.

1. S. Radhakrishnan
2. G. K. Gokhale
3. Chittaranjan Das
4. A. P. J. Abdul Kalam

Options :

86435192955. 1

86435192956. 2

86435192957. 3

86435192958. 4

Question Number : 23 Question Id : 86435127127 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Who is known as 'The Saint of Gutters'?

1. Baba Amte
2. Anna Hazare
3. Mother Teresa
4. None of these

Options :

86435192959. 1

86435192960. 2

ZOLLEGE.in

86435192961. 3

86435192962. 4

Question Number : 24 Question Id : 86435127128 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Garampani Sanctuary is located at

1. Junagarh, Gujarat
2. Diphu, Assam
3. Kohima, Nagaland
4. Gangtok, Sikkim

Options :

86435192963. 1

86435192964. 2

86435192965. 3

86435192966. 4

Question Number : 25 Question Id : 86435127129 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The National Rural Health Mission has been launched in the country in _____.

1. 2003
2. 2005
3. 2007
4. 2009

Options :

86435192967. 1

86435192968. 2

86435192969. 3

ZOLLEGE.in

86435192970. 4

Part B-Sports Physiology Bio Chemistry Nutrition Bio Mechanics

Section Id :	8643511171
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	75
Number of Questions to be attempted :	75
Section Marks :	300
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	8643511404
Question Shuffling Allowed :	Yes

Question Number : 26 Question Id : 86435127130 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Carbohydrates are

1. polyhydroxy aldehydes and phenols
2. polyhydroxy aldehydes and ketones
3. polyhydroxy ketones and phenols
4. polyhydroxy phenols and alcohols

Options :

86435192971. 1

86435192972. 2

ZOLLEGE.in

86435192973. 3

86435192974. 4

Question Number : 27 Question Id : 86435127131 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is the major function of carbohydrates?

1. Storage
2. Structural framework
3. Transport material
4. Both storage and structural framework

Options :

86435192975. 1

86435192976. 2

86435192977. 3

86435192978. 4

Question Number : 28 Question Id : 86435127132 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is the general formula of carbohydrates?

1. $(C_4H_2O)_n$
2. $(C_6H_2O)_n$
3. $(CH_2O)_n$
4. $(C_2H_2O)_n$ COOH

Options :

86435192979. 1

86435192980. 2

ZOLLEGE.in

86435192981. 3

86435192982. 4

Question Number : 29 Question Id : 86435127133 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

What is a bond between amino acids called?

1. Ionic bond
2. Acidic bond
3. Peptide bond
4. Hydrogen bond

Options :

86435192983. 1

86435192984. 2

86435192985. 3

86435192986. 4

Question Number : 30 Question Id : 86435127134 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following cell organelles is involved in the process of protein synthesis?

1. Vesicles
2. Ribosomes
3. Synchrotrons
4. Mitochondria

Options :

86435192987. 1

86435192988. 2

86435192989. 3

ZOLLEGE.in

86435192990. 4

Question Number : 31 Question Id : 86435127135 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The 3-D structure of proteins can be determined by

1. spectroscopy
2. X-ray crystallography
3. PCR
4. ultracentrifuge

Options :

86435192991. 1

86435192992. 2

86435192993. 3

86435192994. 4

Question Number : 32 Question Id : 86435127136 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The number of hydrogen bonds between adenine and thymine is

1. 1
2. 2
3. 3
4. 4

Options :

86435192995. 1

86435192996. 2

86435192997. 3

86435192998. 4

ZOLLEGE.in

Question Number : 33 Question Id : 86435127137 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

According to Chargaff's rule, in a DNA molecule

1. the amount of adenine and thymine is equal to the amount of guanine and cytosine

2. the amount of adenine and guanine is equal to the amount of thymine and cytosine

3. the amount of adenine and uracil is equal to the amount of guanine and cytosine

4. the amount of adenine and guanine is equal to the amount of uracil and cytosine

Options :

86435192999. 1

86435193000. 2

86435193001. 3

86435193002. 4

Question Number : 34 Question Id : 86435127138 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Arrangement of nucleotides in DNA can be seen by

1. ultracentrifuge

2. X-ray crystallography

3. light microscope

4. electron microscope

Options :

86435193003. 1

86435193004. 2

86435193005. 3

86435193006. 4

ZOLLEGE.in

Question Number : 35 Question Id : 86435127139 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which membrane fatty acids are precursors for eicosanoids?

1. C20 and C22 polyunsaturated fatty acids
2. C18 and C22 polyunsaturated fatty acids
3. C20 and C22 monounsaturated fatty acids
4. C20 and C22 saturated fatty acids

Options :

86435193007. 1

86435193008. 2

86435193009. 3

86435193010. 4

Question Number : 36 Question Id : 86435127140 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Fats after absorption, present in the circulation as

1. VLDL
2. HDL
3. LDL
4. chylomicron

Options :

86435193011. 1

86435193012. 2

86435193013. 3

86435193014. 4

ZOLLEGE.in

Question Number : 37 Question Id : 86435127141 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following components is found in all sphingolipids?

1. A carbohydrate
2. A negative charge
3. A phosphate group
4. An amino alcohol

Options :

86435193015. 1

86435193016. 2

86435193017. 3

86435193018. 4

Question Number : 38 Question Id : 86435127142 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which type of membrane lipid could contain serine?

1. A glycerophospholipid
2. A globoside
3. A cerebroside
4. A ganglioside

Options :

86435193019. 1

86435193020. 2

86435193021. 3

86435193022. 4

ZOLLEGE.in

Question Number : 39 Question Id : 86435127143 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The general function of an enzyme is

1. reducing the activation energy
2. increasing the activation energy
3. decreasing the pH value
4. increasing the pH value

Options :

86435193023. 1

86435193024. 2

86435193025. 3

86435193026. 4

Question Number : 40 Question Id : 86435127144 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

What is the nature of an enzyme?

1. Vitamin
2. Protein
3. Carbohydrate
4. Lipid

Options :

86435193027. 1

86435193028. 2

86435193029. 3

86435193030. 4

ZOLLEGE.in

Question Number : 41 Question Id : 86435127145 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

What is apoenzyme?

1. It is a protein portion of an enzyme
2. It is a non-protein group
3. It is a complete, biologically active conjugated enzyme
4. It is a prosthetic group

Options :

86435193031. 1

86435193032. 2

86435193033. 3

86435193034. 4

Question Number : 42 Question Id : 86435127146 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following enzymes catalyzes the first step of glycolysis?

1. Hexokinase
2. Pyruvate kinase
3. Glucokinase
4. Phosphofructokinase-1

Options :

86435193035. 1

86435193036. 2

86435193037. 3

86435193038. 4

Question Number : 43 Question Id : 86435127147 Question Type : MCQ Option Shuffling : No

ZOLLEGE.in

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following enzymes catalyzes the conversion of pyruvate to oxaloacetate?

1. Pyruvate carboxylase
2. Pyruvate dehydrogenase
3. Pyruvate kinase
4. Phosphofructokinase-1

Options :

86435193039. 1

86435193040. 2

86435193041. 3

86435193042. 4

Question Number : 44 Question Id : 86435127148 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The product essential for oxidative phosphorylation in the Krebs cycle is

1. NADPH and ATP
2. Acetyl-CoA
3. CO_2 and oxaloacetate
4. NADH and $FADH_2$

Options :

86435193043. 1

86435193044. 2

86435193045. 3

86435193046. 4

Question Number : 45 Question Id : 86435127149 Question Type : MCQ Option Shuffling : No

ZOLLEGE.in

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is the first complex (complex I) of ETS?

1. NADH dehydrogenase
2. Cytochrome aa_3
3. Cytochrome bc_1
4. ATP synthase

Options :

86435193047. 1

86435193048. 2

86435193049. 3

86435193050. 4

Question Number : 46 Question Id : 86435127150 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

What is the rate of electron transfer when proton motive force is high?

1. Faster
2. Slower
3. Moderate
4. None of the above

Options :

86435193051. 1

86435193052. 2

86435193053. 3

86435193054. 4

Question Number : 47 Question Id : 86435127151 Question Type : MCQ Option Shuffling : No

ZOLLEGE.in

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following enzymes is not involved in galactose metabolism?

1. Glucokinase
2. Galactokinase
3. Galactose-1-phosphate uridyl transferase
4. UDP-galactose 4-epimerase

Options :

86435193055. 1

86435193056. 2

86435193057. 3

86435193058. 4

Question Number : 48 Question Id : 86435127152 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is a tricarboxylic acid?

1. Acetic acid
2. Succinic acid
3. Oxaloacetic acid
4. Citric acid

Options :

86435193059. 1

86435193060. 2

86435193061. 3

86435193062. 4

Question Number : 49 Question Id : 86435127153 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

ZOLLEGE.in

Correct Marks : 4 Wrong Marks : 1

Name the most active organs in the animal body which have the ability to synthesize triacylglycerol.

1. Spleen
2. Kidney
3. Liver and intestines
4. Adipose tissues

Options :

86435193063. 1

86435193064. 2

86435193065. 3

86435193066. 4

Question Number : 50 Question Id : 86435127154 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Where are the enzymes for β-oxidation present?

1. Nucleus
2. Cytosol
3. Mitochondria
4. Golgi apparatus

Options :

86435193067. 1

86435193068. 2

86435193069. 3

86435193070. 4

Question Number : 51 Question Id : 86435127155 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

ZOLLEGE.in

Correct Marks : 4 Wrong Marks : 1

Urea production occurs almost exclusively in

1. kidneys
2. liver
3. blood
4. urine

Options :

86435193071. 1

86435193072. 2

86435193073. 3

86435193074. 4

Question Number : 52 Question Id : 86435127156 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

If a hybrid expresses a character, it is called

1. epistasis
2. dominant
3. co-dominant
4. pleiotropy

Options :

86435193075. 1

86435193076. 2

86435193077. 3

86435193078. 4

Question Number : 53 Question Id : 86435127157 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

ZOLLEGE.in

Correct Marks : 4 Wrong Marks : 1

Percentage of crossing over is more when

1. genes are located in a different cells
2. genes are not linked
3. linked genes are located close to each other
4. linked genes are located far apart from each other

Options :

86435193079. 1

86435193080. 2

86435193081. 3

86435193082. 4

Question Number : 54 Question Id : 86435127158 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following chromosomal inversions occurs in T-cell lymphoma?

1. Chromosome 22
2. Chromosome 8
3. Chromosome 3
4. Chromosome 14

Options :

86435193083. 1

86435193084. 2

86435193085. 3

86435193086. 4

Question Number : 55 Question Id : 86435127159 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

ZOLLEGE.in

Correct Marks : 4 Wrong Marks : 1

Point mutation involves

1. deletion
2. insertion
3. duplication
4. Change in single nucleotide of DNA

Options :

86435193087. 1

86435193088. 2

86435193089. 3

86435193090. 4

Question Number : 56 Question Id : 86435127160 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The chromosomal theory of inheritance was proposed by

1. Sutton and Boveri
2. Darwin
3. Watson and Crick
4. Mendel

Options :

86435193091. 1

86435193092. 2

86435193093. 3

86435193094. 4

Question Number : 57 Question Id : 86435127161 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

ZOLLEGE.in

Correct Marks : 4 Wrong Marks : 1

DNA replication is

1. continuous and conservative
2. discontinuous and semi-conservative
3. conservative and semi-discontinuous
4. semi-discontinuous and semi-conservative

Options :

86435193095. 1

86435193096. 2

86435193097. 3

86435193098. 4

Question Number : 58 Question Id : 86435127162 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is true about DNA polymerase?

1. It can synthesize DNA in the 5′ to 3′ direction
2. It can synthesize DNA in the 3′ to 5′ direction
3. It can synthesize mRNA in the 3′ to 5′ direction
4. It can synthesize mRNA in the 5′ to 3′ direction

Options :

86435193099. 1

86435193100. 2

86435193101. 3

86435193102. 4

Question Number : 59 Question Id : 86435127163 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

ZOLLEGE.in

Correct Marks : 4 Wrong Marks : 1

The process of copying a gene's DNA sequence into a sequence of RNA is called

1. replication
2. transcription
3. translation
4. PCR

Options :

86435193103. 1

86435193104. 2

86435193105. 3

86435193106. 4

Question Number : 60 Question Id : 86435127164 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The transcribing enzyme is

1. ligase
2. DNA polymerase
3. RNA polymerase
4. amino-acyl transferase

Options :

86435193107. 1

86435193108. 2

86435193109. 3

86435193110. 4

Question Number : 61 Question Id : 86435127165 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

Which form of the RNA has a structure resembling clover leaf?

1. tRNA
2. rRNA
3. mRNA
4. hnRNA

Options :

86435193111. 1

86435193112. 2

86435193113. 3

86435193114. 4

Question Number : 62 Question Id : 86435127166 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following has the self-repairing mechanisms?

1. DNA and RNA
2. DNA, RNA and protein
3. Only DNA
4. DNA and protein

Options :

86435193115. 1

86435193116. 2

86435193117. 3

86435193118. 4

Question Number : 63 Question Id : 86435127167 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

Introduction of DNA molecules into the recipient organism is termed as

1. transformation
2. translation
3. transduction
4. transcription

Options :

86435193119. 1

86435193120. 2

86435193121. 3

86435193122. 4

Question Number : 64 Question Id : 86435127168 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following roles is performed by a bacteriophage in transduction?

1. Vector
2. Donor
3. Recipient
4. Episome

Options :

86435193123. 1

86435193124. 2

86435193125. 3

86435193126. 4

Question Number : 65 Question Id : 86435127169 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

Transfer of genetic material from the donor to recipient bacterium through cell contact is termed as

1. transduction
2. recombination
3. conjugation
4. transformation

Options :

86435193127. 1

86435193128. 2

86435193129. 3

86435193130. 4

Question Number : 66 Question Id : 86435127170 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The animal cells are interconnected by

1. cell wall
2. desmosomes
3. plasma membrane
4. plasmodesmata

Options :

86435193131. 1

86435193132. 2

86435193133. 3

86435193134. 4

Question Number : 67 Question Id : 86435127171 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

Basal Metabolic Rate (BMR)

1. is measured in comfortable sitting position

2. is unaltered in hypothyroidism and hyperthyroidism

3. is higher after weight gain because part of the excess weight is fat-free mass

4. is not altered after weight loss

Options :

86435193135. 1

86435193136. 2

86435193137. 3

86435193138. 4

Question Number : 68 Question Id : 86435127172 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The major macronutrient which is the component of enzymes and vitamins is

1. calcium phosphate

2. carbon dioxide

3. sulphur

4. salt

Options :

86435193139. 1

86435193140. 2

86435193141. 3

86435193142. 4

Question Number : 69 Question Id : 86435127173 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

Which of the following controls growth and body weight?

1. Iodine
2. Calcium
3. Phosphorous
4. Sodium chloride

Options :

86435193143. 1

86435193144. 2

86435193145. 3

86435193146. 4

Question Number : 70 Question Id : 86435127174 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following would have the least effect on muscle anaerobic capacity?

1. Resting muscle glycogen concentration
2. Resting muscle PCR concentration
3. Muscle glycolytic enzyme activity
4. Muscle buffering capacity

Options :

86435193147. 1

86435193148. 2

86435193149. 3

86435193150. 4

Question Number : 71 Question Id : 86435127175 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

Which performance-enhancing drug acts like testosterone, increasing muscle mass in those who use it?

1. Diuretics
2. Anabolic steroids
3. Strychnine
4. Erythropoietin

Options :

86435193151. 1

86435193152. 2

86435193153. 3

86435193154. 4

Question Number : 72 Question Id : 86435127176 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which is a major energy source in a hurdle race to the leg muscles?

1. Glycolysis
2. Lactate and pyruvate
3. Performed ATP
4. Oxidative metabolism

Options :

86435193155. 1

86435193156. 2

86435193157. 3

86435193158. 4

Question Number : 73 Question Id : 86435127177 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

Muscle cells are also known as

1. myofibril
2. filament
3. muscle fiber
4. myotube

Options :

86435193159. 1

86435193160. 2

86435193161. 3

86435193162. 4

Question Number : 74 Question Id : 86435127178 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

What separates one sarcomere from another?

1. I-band
2. H-zone
3. Z-disk
4. A-band

Options :

86435193163. 1

86435193164. 2

86435193165. 3

86435193166. 4

Question Number : 75 Question Id : 86435127179 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

Which is true of the pulmonary circuit?

1. Blood oxygen content is higher in the pulmonary vein than in the pulmonary artery
2. Blood is pumped through it by the left ventricle
3. Resting blood pressure in the pulmonary artery is normally equal to that in the aorta
4. The cardiac output into the pulmonary circuit is approximately 1/6 of that into the systemic circuit

Options :

86435193167. 1

86435193168. 2

86435193169. 3

86435193170. 4

Question Number : 76 Question Id : 86435127180 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The ventricular muscles accept impulses directly from

1. AV node
2. bundle of His
3. right and left bundle branches
4. Purkinje system

Options :

86435193171. 1

86435193172. 2

86435193173. 3

86435193174. 4

Question Number : 77 Question Id : 86435127181 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

ZOLLEGE.in

Correct Marks : 4 Wrong Marks : 1

Which of the following statements is true?

1. Titin is one of the regulatory protein
2. Storage is one of the properties muscular tissue
3. Sarcomere is the functional unit of myofibril
4. H-zone contains all thin filaments

Options :

86435193175. 1

86435193176. 2

86435193177. 3

86435193178. 4

Question Number : 78 Question Id : 86435127182 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Name the process of gaseous exchange in the body.

1. Lymphatic system
2. Respiration
3. Cardiovascular system
4. Respiratory system

Options :

86435193179. 1

86435193180. 2

86435193181. 3

86435193182. 4

Question Number : 79 Question Id : 86435127183 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

Which of the following is NOT the function of the respiratory system?

1. Regulates blood pH
2. Helps in gaseous exchange
3. Protections against blood loss
4. Contains receptors for the sense of smell

Options :

86435193183. 1

86435193184. 2

86435193185. 3

86435193186. 4

Question Number : 80 Question Id : 86435127184 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

System of the body which coordinates and controls its activity is known as

1. cardiovascular system
2. muscular system
3. nephro system
4. nervous system

Options :

86435193187. 1

86435193188. 2

86435193189. 3

86435193190. 4

Question Number : 81 Question Id : 86435127185 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

Name the basic structural and functional unit of the nervous system.

1. Neuroglia
2. Glial cells
3. Neurons
4. Perikaryon

Options :

86435193191. 1

86435193192. 2

86435193193. 3

86435193194. 4

Question Number : 82 Question Id : 86435127186 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is NOT an amino acid?

1. Glutamic acid
2. Aspartic acid
3. Palmitic acid
4. Glutamin

Options :

86435193195. 1

86435193196. 2

86435193197. 3

86435193198. 4

Question Number : 83 Question Id : 86435127187 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

Which part of the brain contains the thermoregulatory center?

1. Cerebellum
2. Hypothalamus
3. Cerebral cortex
4. Medulla

Options :

86435193199. 1

86435193200. 2

86435193201. 3

86435193202. 4

Question Number : 84 Question Id : 86435127188 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Gluten is found in which of the following foods?

1. Grape juice
2. Jam
3. Bread
4. Surmi

Options :

86435193203. 1

86435193204. 2

86435193205. 3

86435193206. 4

Question Number : 85 Question Id : 86435127189 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

A codon is a sequence of

1. three DNA or RNA nucleotides
2. three DNA nucleotides
3. four DNA or RNA nucleotides
4. three nucleotides on a tRNA molecules

Options :

86435193207. 1

86435193208. 2

86435193209. 3

86435193210. 4

Question Number : 86 Question Id : 86435127190 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Double-helix structure of DNA is given by

1. Frederick Griffith
2. Watson and Crick
3. Oswald Avery
4. Hershey and Chase

Options :

86435193211. 1

86435193212. 2

86435193213. 3

86435193214. 4

Question Number : 87 Question Id : 86435127191 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

Urea cycle is known as

1. TCA cycle
2. Krebs cycle
3. Ornithine cycle
4. Pyruvate cycle

Options :

86435193215. 1

86435193216. 2

86435193217. 3

86435193218. 4

Question Number : 88 Question Id : 86435127192 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following occurs in cytoplasm in eukaryotes?

1. Transcription
2. Translation
3. Replication
4. Transformation

Options :

86435193219. 1

86435193220. 2

86435193221. 3

86435193222. 4

Question Number : 89 Question Id : 86435127193 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

The quantity which has the only magnitude is called

1. a scalar quantity
2. a vector quantity
3. a chemical quantity
4. a chemical quantity

Options :

86435193223. 1

86435193224. 2

86435193225. 3

86435193226. 4

Question Number : 90 Question Id : 86435127194 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

When a cricket bat hits a cricket ball, impulse is applied on the

1. bat
2. ball
3. bat and ball
4. player

Options :

86435193227. 1

86435193228. 2

86435193229. 3

86435193230. 4

Question Number : 91 Question Id : 86435127195 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

The loudness (or intensity) of a sound wave is related to its

1. duration
2. frequency
3. wavelength
4. amplitude

Options :

86435193231. 1

86435193232. 2

86435193233. 3

86435193234. 4

Question Number : 92 Question Id : 86435127196 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

For a constant force, a rope breaks due to stress. Which of the following is useful to reduce the stress?

1. Increase the length of the rope
2. Apply small force
3. Increase the cross-sectional area of the rope
4. Use different materials of rope

Options :

86435193235. 1

86435193236. 2

86435193237. 3

86435193238. 4

Question Number : 93 Question Id : 86435127197 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

Radius of gyration is indirectly to the parallel axis theorem. The parallel axis theorem gives the moment of inertia _____ to the surface of considerance.

1. linear
2. non-linear
3. perpendicular
4. parallel

Options :

86435193239. 1

86435193240. 2

86435193241. 3

86435193242. 4

Question Number : 94 Question Id : 86435127198 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

What is the change in potential energy of a stone of mass 1 kg thrown up with a velocity 10 m/s and comes down?

1. 0
2. 10 J
3. 100 J
4. 500 J

Options :

86435193243. 1

86435193244. 2

86435193245. 3

86435193246. 4

Question Number : 95 Question Id : 86435127199 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

ZOLLEGE.in

Correct Marks : 4 Wrong Marks : 1

Which of the following food components gives energy to our body?

1. Proteins
2. Vitamins
3. Minerals
4. Carbohydrates

Options :

86435193247. 1

86435193248. 2

86435193249. 3

86435193250. 4

Question Number : 96 Question Id : 86435127200 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

BIS stands for

1. Bureau of Indian Standards
2. Bureau of Standard Association
3. British Standard India
4. British Association Standard

Options :

86435193251. 1

86435193252. 2

86435193253. 3

86435193254. 4

Question Number : 97 Question Id : 86435127201 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

ZOLLEGE.in

Correct Marks : 4 Wrong Marks : 1

Milk is a good source of all water-soluble vitamins except for

1. cyanocobalamin
2. riboflavin
3. ascorbic acid
4. thiamine

Options :

86435193255. 1

86435193256. 2

86435193257. 3

86435193258. 4

Question Number : 98 Question Id : 86435127202 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A substance intentionally added that affects the nature and quality of food is called

1. food poison
2. food adulterant
3. food contaminant
4. food material

Options :

86435193259. 1

86435193260. 2

86435193261. 3

86435193262. 4

Question Number : 99 Question Id : 86435127203 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

ZOLLEGE.in

Correct Marks : 4 Wrong Marks : 1

Which of the following bacteria causes the highest number of food-borne illnesses?

1. *E. coli*
2. *Salmonella*
3. *Listeria*
4. *C. Botulinum*

Options :

86435193263. 1

86435193264. 2

86435193265. 3

86435193266. 4

Question Number : 100 Question Id : 86435127204 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A food additive is considered to be safe when

1. no evidence of human toxicity has been observed over the period of its use
2. estimated daily intake (EDI) from its presence in food is less than its ADI
3. its toxic effects are observed only at doses 100x the EDI
4. its benefits outweigh its risks

Options :

86435193267. 1

86435193268. 2

86435193269. 3

86435193270. 4

ZOLLEGE.in