



Quiz Bee 2019

Easy Questions

Biology

1. Bio-molecules have a wide range of sizes and structures. The four major types of bio-molecules are carbohydrates, lipids, nucleic acids and proteins. Which among the bio-molecules is not composed of repeating units?

- A. Carbohydrates
- B. Lipids
- C. Nucleic acids
- D. Proteins

Answer: Lipids

2. Natural selection is a mechanism in evolution in which heritable traits that help organism survive and reproduce become more common in a population over time. This mechanism was suggested by:

- A. Charles Darwin
- B. Gregor Mendel
- C. Alfred Wallace
- D. Robert Hooke

Answer: Charles Darwin

3. Feedback mechanisms help the organisms maintain homeostasis to reproduce and survive. Which of the system below is able to provide feedback mechanism?

- A. Digestive System
- B. Excretory System
- C. Endocrine System
- D. Skeletal System

Answer: Endocrine System

Chemistry

4. Matter undergoes physical or chemical changes. Which among the following is a chemical change?

- A. Crumpling of paper
- B. Evaporation of water
- C. Melting of ice
- D. Ripening of fruits

Answer: Ripening of fruits

5. Charcoal is usually produced by slow pyrolysis - the heating of wood in the other substances in the absence of oxygen. What is charcoal composed of?

- A. C
- B. CO₂
- C. CH₂O
- D. HCO₂

Answer: C

6. Mixtures are classified either as homogeneous or heterogeneous. An ice cube floating in a glass of water is classified as a heterogeneous mixture. When all of the ice melts, it will result into a

- A. homogeneous mixture

- B. compound
- C. solution
- D. suspension

Answer: suspension

Math

7. What is the smallest prime number?

- A. 2
- B. 1
- C. 3
- D. 5

Answer: 2

8. How many straight edges does a cube have?

- A. 6
- B. 12
- C. 14
- D. 16

Answer: 12

9. What name is given to a triangle with no equal sides?

- A. right
- B. isosceles
- C. scalene
- D. equilateral

Answer: scalene

Language and Literature

10. Which of the following is probably the most widely used English word throughout the world?

- A. dollar
- B. Okay
- C. internet
- D. sex

Answer: Okay

11. English is considered as universal language for it is being spoken by many groups of people. In approximately how many countries does the English language have official or special status?

- A. 10
- B. 15
- C. 35
- D. 75

Answer: 75

12. Which of the following is the longest word that appears in a play by William Shakespeare?

- A. honorificabilitudinitatibus
- B. sesquipedalian
- C. antidisestablishmentarianism
- D. disproportionableness

Answer: honorificabilitudinitatibus

Food and Nutrition

13. Riboflavin is a vitamin that is also known as:

- A. Vitamin B1

- B. Vitamin B6
- C. Vitamin B12
- D. Vitamin B2

Answer: Vitamin B2

14. Which blood type is the "Meat Eater" who has an overactive immune system and a hardy digestive tract?

- A. Type A
- B. Type B
- C. Type O
- D. Type AB

Answer: Type O

15. I am somewhat alarmed that my child's vitamin supplement contains an ingredient with the scary-sounding chemical name "dl-Alpha Tocopheryl Acetate". This is a synthetic version of which vitamin?

- A. Vitamin A
- B. Vitamin E
- C. Vitamin C
- D. Vitamin D

Answer: Vitamin E

Wika at Panitikan

16. Mahabang tulang nagsasalaysay ng pakikipagtunggali ng isang bayani sa mga kaaway. Ito ay may mga kababalaghang hindi kapani-paniwala.

- A. Balad
- B. Epiko
- C. Karagatan
- D. Awit ng Koridor

Answer: Epiko

17. Isa pang tagisan ng talino sa pamamagitan ng palitan ng katwiran sa pamamaraang patulo.

- A. Karagatan
- B. Duplo
- C. Balagtasang
- D. Epiko

Answer: Balagtasang

History

18. He was the Brains of the Revolution and the first Filipino to be appointed as Secretary of Foreign Affairs.

- A. Emilio Jacinto
- B. Andres Bonifacio
- C. Apolinario Mabini
- D. Manuel Quezon

Answer: Apolinario Mabini

19. Promoted to the rank of General at a very young age and became the hero of Tirad Pass:

- A. Emilio Aguinaldo
- B. Miguel Malvar
- C. Gregorio Del Pilar
- D. Deodato Arellano

Answer: Gregorio Del Pilar

Culture and Sports

20. The Foil and Epee are implements of which sport?

- A. Bowling
- B. Fencing
- C. Ice skating
- D. Horseback-riding

Answer: Fencing

21. Rings represent the Olympic Symbol. There are:

- A. 3 Rings
- B. 4 Rings
- C. 5 Rings
- D. 6 Rings

Answer: 5 Rings

Politics and Governance

22. Other than being former Presidents of the Republic, they were also Generals of the Arm Forces of The Philippines except:

- A. Emilio Aguinaldo
- B. Manuel Roxas
- C. Ferdinand Marcos
- D. Fidel Ramos

Answer: Ferdinand Marcos

23. The Congress of the Philippines has this number of Senators:

- A. 22
- B. 24
- C. 26
- D. 28

Answer: 24

General Information

24. The first air-conditioned building in the Philippines:

- A. Malacanan Palace
- B. Congress of The Philippines
- C. Manila Hotel
- D. Central Bank

Answer: Manila Hotel

25. This color is the symbol of quality in pencils:

- A. Blue
- B. Black
- C. Yellow
- D. Red

Answer: Yellow

Average Questions

Biology

1. Nearly every cell in a person's body has the same DNA. The information in DNA is stored as a code made up of purine and pyrimidine bases namely adenine (**A**), guanine (**G**), cytosine (**C**), and thymine (**T**). Which among the four bases are classified as pyrimidine bases?

- A. Thymine and Cytosine
- B. Guanine and Adenine
- C. Adenine and Cytosine
- D. Cytosine and Thymine

Answer: Cytosine and Thymine

2. Recessive traits can be carried in a person's genes without appearing in that person. For example, a dark-haired person may have one gene for dark hair, which is a dominant trait, and one gene for light hair, which is recessive. Which among the choices is a recessive trait?

- A. Astigmatism
- B. Long Big Toe
- C. Dwarfism
- D. Baldness

Answer: Long Big Toe

3. An ecosystem is a community of living and nonliving components interacting as a system which is influenced by biotic and abiotic factors. An example of an abiotic factor is:

- A. predation
- B. symbiosis
- C. weathering
- D. parasitism

Answer: weathering

Chemistry

4. Gas behavior is characterized by the distance between gas particles. The behavior of gases is governed by different Gas Laws. What will happen to the volume of a confined gas if its initial pressure is increased while holding the temperature constant?

- A. The volume will increase
- B. The volume will not change
- C. The volume will be twice its original
- D. The volume will decrease

Answer: The volume will decrease

5. Muriatic acid is a very reactive liquid and considered among the most hazardous chemicals. Like many acid cleaners, muriatic acid can be used around the house to get out tough stains and molds. What is the chemical formula of muriatic acid?

- A. H_2SO_4
- B. HCl
- C. NaHClO
- D. HNO_3

Answer: HCl

6. Pure substances can exist in three physical states either as a solid, a liquid or a gas. Some liquids in particular converted into gas, rapidly or slowly. Which among the following liquids is the most volatile?

- A. rubbing alcohol
- B. brandy

C. acetone

D. water

Answer: acetone

Math

7. How many legs are there altogether on 2 spiders and 3 grasshoppers?

A. 30

B. 36

C. 34

D. 38

Answer: 34

8. What is the missing number from the following sequence: 8, 16, 32, ..., 128, 256, 512?

A. 54

B. 58

C. 60

D. 64

Answer: 64

9. The value π is 3.1416. It is a non-repeating, non-terminating constant. The value of π was derived as the ratio of a circle's diameter to its:

A. radius

B. subtended arc

C. area

D. circumference

Answer: circumference

Language and Literature

10. An acronym is a word formed from the initial letters of a name. An eponym is a word derived from the proper name of a person or place. What term is used for a word that's derived from the same root as another word?

A. Retronym

B. Paronym

C. Oronym

D. Exonym

Answer: Paronym

11. Which one of the following observations applies to the word **typewriter**?

A. *It is the longest word that is typed with only left hand.*

B. *It appeared in the Samuel Johnson's Dictionary of the English Language - Several decades before the invention of the first typing machine.*

C. *It is the only word in English that doesn't rhyme with any other word.*

D. *It can be typed using only the top row keys on a standard keyboard.*

Answer: It can be typed using only the top row keys on a standard keyboard.

12. This book of the Bible deals with Hebrew's escape from the Egypt and their journey back to Palestine under the able leadership of Moses.

A. Genesis

B. Leviticus

C. Exodus

D. Hebrew

Answer: Exodus

Food and Nutrition

13. Good and bad cholesterol are not the only factors that predict one's risk of heart attack and strokes. Which of the following is also predictive of cardiovascular risk?

- A. Age and Gender
- B. Smoking status
- C. Blood pressure
- D. All of these

Answer: All of these

14. Which of these DO NOT effectively block sunshine?

- A. SPF 20 sunscreen
- B. sun-protective clothing
- C. unbleached cotton
- D. light, open-weave fabric

Answer: light, open-weave fabric

15. Which of these is a waxy, fatlike, substance found in most animal products?

- A. Cholesterol
- B. Oil
- C. Amino acids
- D. Bile

Answer: Cholesterol

Wika at Panitikan

16. Paligsahan sa tula na karaniwang ginaganap sa ikasiyam na gabi sa bakuran ng namatayan matapos mailibing na patay bilang pang-aluw sa mga ulila nito.

- A. Duplo
- B. Oda
- C. Elehiya
- D. Dalit

Answer: Duplo

17. Alin sa mga sumusunod na akda ang tumatalakay sa mga prayleng mataba?

- A. El Filibusterismo
- B. Noli Me Tangere
- C. Dasalan at Tocsohan
- D. Fray Botod

Answer: Fray Botod

History

18. He was the first American Governor-General to reside in the Malacanan Palace:

- A. Gen. George Dewey
- B. Gen. Arthur Mc Arthur
- C. Gen. Eisenhower
- D. Gen. Howard Taft

Answer: Gen. Arthur Mc Arthur

19. He was the President of the 1934 Constitutional Convention which drafted the 1935 Constitution:

- A. Manuel Roxas
- B. Claro M. Recto
- C. Sergio Osmena
- D. Carlos P. Garcia

Answer: Claro M. Recto

Culture and Sports

20. It is the capital of Australia:

- A. Sydney
- B. Melbourne
- C. Brisbane
- D. Canberra

Answer: Canberra

21. What country has the world's largest Muslim population?

- A. Saudi Arabia
- B. Indonesia
- C. Pakistan
- D. India

Answer: Indonesia

Politics and Governance

22. She was the first woman to be appointed Justice of the Supreme Court and President of the Constitutional Commission which drafted the 1987 Constitution.

- A. Teresita De Castro
- B. Estela M. Bernabe
- C. Cecilia Munoz Palma
- D. Ma. Lourdes Sereno

Answer: Cecilia Munoz Palma

23. Which of the following is not part of this group?

- A. Fernando Lopez
- B. Teopisto Guingona
- C. Noli De Castro
- D. Ferdinand Marcos

Answer: Ferdinand Marcos

General Information

24. Which military officer carries a four-star rank on his shoulder?

- A. General
- B. Brigadier General
- C. Major General
- D. Lieutenant General

Answer: General

25. This Animal's appetite is never satisfied--- it lives in a state of continual hunger.

- A. Anaconda
- B. Shark
- C. Crocodile
- D. Lion

Answer: Shark

Difficult Questions

Biology

1. James Watson and Francis Crick received the Nobel Prize in 1953 for the determination of the structure of DNA. There should have been another recipient, however, this recipient died before the award is given. The Nobel Prize at that time stipulates that the award cannot be given to a dead person. Who should have been this third Nobel Prize recipient?

- A. Maurice Wilkins
- B. Sydney Brenner
- C. Rosalind Franklin
- D. Friedrich Miescher

Answer: Rosalind Franklin

2. The double-stranded structure of DNA owes its stability to the base pairing of nucleotides in each strand. If one strand of DNA has the sequence **A-G-C-A-T-C**, what is the complementary base pair in the other strand?

- A. C-T-A-C-G-A
- B. T-C-G-T-A-G
- C. U-C-G-U-A-G
- D. G-T-A-G-C-A

Answer: T-C-G-T-A-G

3. The Central Dogma of molecular biology describes the processes by which the information in genes flows from DNA to RNA and thereby producing a protein. Which process in the Central Dogma describes the synthesis of an RNA copy of a DNA segment?

- A. Translation
- B. Replication
- C. Transcription
- D. Reverse Transcription

Answer: Transcription

Chemistry

4. Chemical reactions are usually accompanied by either the release or absorption of heat. Antacids are used to reduce stomach acidity. The reaction between an antacid stomach acid may be classified as:

- A. an endothermic reaction
- B. an isothermic reaction
- C. an exothermic reaction
- D. a hypothermic reaction

Answer: a hypothermic reaction

5. Carbon is considered as the most versatile element in the periodic table. Because of this versatility, it is able to form numerous compounds when combined with other elements. The strongest form of carbon is:

- A. coal
- B. diamond
- C. coke
- D. graphite

Answer: diamond

6. Chemical equations are representations of a chemical reaction. Several pieces of information provided by a chemical equation describes the chemical reaction that took place. Which among the following chemical equations indicates the formation of a precipitate?

- A. $\text{Zn(s)} + 2\text{HCl(aq)} \rightarrow \text{H}_2\text{(g)} + \text{ZnCl}_2\text{(aq)}$
- B. $2\text{Na(a)} + \text{H}_2\text{O(l)} \rightarrow 2\text{NaOH(aq)} + \text{H}_2\text{(g)}$

- C. $2\text{KI}(\text{aq}) + \text{PbCrO}_4(\text{aq}) \rightarrow \text{K}_2\text{CrO}_4(\text{aq}) + \text{PbI}_2$
- D. $2\text{Fe}(\text{s}) + \text{O}_2(\text{g}) \rightarrow 2\text{FeO}(\text{s})$
- Answer: $2\text{KI}(\text{aq}) + \text{PbCrO}_4(\text{aq}) \rightarrow \text{K}_2\text{CrO}_4(\text{aq}) + \text{PbI}_2$

Math

7. You were on your way to the market. While walking down the street, you met a man and his wife, along with their two daughters and two sons, each daughter and son carried a baby girl and a baby boy. All in all, how many were going to the market?

- A. 12
- B. 1
- C. 16
- D. 14

Answer: 1

8. The Fibonacci sequence is given by the series 1, 2, 3, 5, 8, 13, ... What is the 10th term in the Fibonacci Sequence?

- A. 59
- B. 67
- C. 74
- D. 89

Answer: 89

9. What will be the result of the indicated operations: $(13 + 7) \times (5 - 3) / 4 \times (1 + 1) = ?$

- A. 3
- B. 4
- C. 5
- D. 7

Answer: 5

Language and Literature

10. Which of the following is generally regarded as the first genuine dictionary in English?

- A. The Elementarie, by Richard Mulcaster
- B. A Table Alphabetical, by Robert Cawdrey
- C. Glossographia, Thomas Blount
- D. An american Dictionary of the English Language, by Noah Webster

Answer: A Table Alphabetical, by Robert Cawdrey

11. Which Disney movie boasts the only soundtrack for an animated film to be certified Diamond (ten times platinum) by the Recording Industry Association of America?

- A. Frozen
- B. Tarzan
- C. Mulan
- D. The Lion King

Answer: The Lion King

12. The famous Disney character who once stated that "Think of all the joy you'll find, when you lived the world behind and bid your cares goodbye. You can fly."

- A. Ariel of Little Mermaid
- B. Cinderella
- C. Peter Pan
- D. Belle of Beauty and the Beast.

Answer: Peter Pan

Food and Nutrition

13. What type of flowers produce vanilla pods?

- A. Tulips
- B. Carnation
- C. Orchids
- D. Daffodils

Answer: Orchids

14. Which plant of the carrot family has stems that are crystallized and used in baking and cake decoration?

- A. Parsley
- B. Angelica
- C. Celery
- D. Caraway

Answer: Angelica

15. The Atkins Diet is a popular weight lost strategy. Which of these foods would I be able to eat or drink in almost unlimited supply and remain faithful to the diet?

- A. Sweet potatoes
- B. Coffee
- C. Whole grains
- D. Bacon

Answer: Bacon

Wika at Panitikan

16. Ang kauna-unahang nailathala ay ang isang aklat na kinasusulatan ng mga dasal na ngayon ay kinikilala bilang Doctrina Christiana. Ito ay inilimbag noong 1593, Ang Panimula nito ay naglalaman ng alpabetong Filipino, mga dasal gaya ng Pater Noster, Ave Maria, Credo at Salve Regina, at iba pang aralin sa relihiyon. ang libro ay ginamitan ng dalawang uri ng lingguwahe (bilingua), Espanyol at Filipino. Sino ang naglimbag ng aklat na isa ring Franciscan Friar?

- A. Juan de Plasencia
- B. Francisco Blancas de San Jose
- C. Diego Talagha
- D. Juan de Vera

Answer: Juan de Plasencia

17. NUESTRA SENORA DEL ROSARIO - ikalawang aklat na nalimbag sa Pilipinas noong 1602 at nalimbag sa Imprinta ng Pamantasan ng Sto. Tomas sa tulong ni Juan de Vera, isang mestisong Intsik. Naglalaman ito ng mga talambuhay ng mga santo, novena, at mga tanong at sagot sa relihiyon. Sino ang may akda ng libro?

- A. Juan de Plasencia
- B. Francisco Blancas de San Jose
- C. Diego Talagha
- D. Juan de Vera

Answer: Francisco Blancas de San Jose

History

18. This Philosopher gave us the concept of what LYCEUM is:

- A. Socrates
- B. Plato
- C. Aristotle
- D. Alexander The Great

Answer: Aristotle

19. What do you call the guiding CODE OF ETHICS of the Japanese Samurai Warrior?

- A. Tatami
- B. Shogun

C. Bushido

D. Ikebana

Answer: Bushido

Culture and Sports

20. Which three-stringed musical instrument with a long neck and triangular body was invented by the Tatar tribes of Russia?

A. Banjo

B. Mandolin

C. Balalaika

D. Babushka

Answer: Balalaika

21. The dance Rumba and Mambo originated from which country?

A. Mexico

B. Cuba

C. Spain

D. Puerto Rico

Answer: Cuba

Politics and Governance

22. Under Philippine Laws, which of the following is not allowed to solemnize marriage?

A. Mayor

B. Attorney-At-Law

C. Consul

D. Priest

Answer: Attorney-At-Law

0. Which of the following was the first Philippine Political Party?

A. Liberal Party

B. Federal Party

C. Nacionalista Party

D. Party for Philippine Progress

Answer: Federal Party

General Information

No Questions in this category for Difficult questions

Sample Questions

DOWNTRODDEN means:

- A. abused
- B. gloomy
- C. sleepy
- D. trickling

Answer: abused

What is the capital of Hongkong?

- A. Shanghai
- B. Canton
- C. Victoria
- D. Ho Chi Minh

Answer: Victoria

His book THE PRINCE inspired most dictators. Name its author.

- A. Georges Bizet
- B. Niccolo Machiavelli
- C. Benito Mussolini
- D. Aristotle

Answer: Niccolo Machiavelli

What type of instrument is an OBOE?

- A. Brasswind
- B. Woodwind
- C. Percussion
- D. Keyboard

Answer: Woodwind

What Philippine City has the biggest area?

- A. Quezon City
- B. Davao City
- C. Cebu City
- D. Bacolod City

Answer: Davao City