

ACB

Batch 6

Practice Questions

- 1) What is a song or poem that praises, usually found in church?
Answer: Hymn
- 2) What country has a Gruyere castle and makes Gruyere Cheese?
Answer: Switzerland
- 3) Owned by the City of Rochester and opened in June 2006, name this stadium built for the Rochester Rhinos soccer team.
Answer: PAETEC Park
- 4) Another term for an outgoing tide is an ____ tide.
Answer: Ebb
- 5) Give the term for the lowest possible temperature of matter, corresponding to the point at which most motion in atoms stops.
Answer: Absolute zero
- 6) The elbow consists of three main bones. They are radius, ulna, and _____.
Answer: Humerus

MATH: 10 SECONDS

- 7) What is the mean of all integers from 1 to 10?
Answer: 5.5
- 8) At supersonic speeds what kind of wave is produced by a moving object instead of ordinary sound waves?
Answer: Shock wave
- 9) Name the capital city of the southernmost continental U.S. state.
Answer: Tallahassee
- 10) This passage refers to what planet? The farthest out of the terrestrial planets is only about half the size of Earth.
Answer: Mars
- 11) What alkaline earth metal is a basic constituent of bones and shells?
Answer: Calcium
- 12) In 1907, 361 people died in the worst mining accident in U.S. history. The explosion occurred in West Virginia in what kind of mine?
Answer: Coal mine

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- 13) If a pair of shoes normally costs \$140 and a store puts them on sale for \$105, what percentage has the store taken off the original price?
Answer: 25%

14) Who is the sun god of ancient Egypt?

Answer: Re (Ra)

15) In what year was the 19th Amendment adopted giving women the right to vote in the U.S.A.?

Answer: 1920

16) Name the writing material made from tall water plants of ancient Egypt.

Answer: Papyrus

17) Name the concentration camp in which Anne Frank was interred.

Answer: Bergen-Belsen

18) What country was said by some to have been bombed back into the Middle Ages in 1991?

Answer: Iraq

19) The chamber of the middle ear is connected to the pharynx by means of what tube?

Answer: Eustachian tube

20) Andrew Smith Hallidie was a Scottish immigrant who had found wealth in San Francisco as a wire-rope manufacturer. He was instrumental in establishing what form of public transportation in that city?

Answer: Cable cars

21) Many American combat aircraft are equipped with night-vision devices like FLIR. This stands for Forward-Looking _____ Radar.

Answer: Infrared

22) What is the collective name for the group of bones described by the adjective “endocranial”?

Answer: Skull or cranium

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23) How many points did Boston score in last night's game if they lost by 13 and the total points scored by the two teams was 183?

Answer: 85

24) What type of business transaction has occurred when one corporation ceases to exist by becoming part of another continuing corporation?

Answer: Merger

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25) What is the probability that a winter month will have a letter R in its spelling?

Answer: 1 (100%)

- 26) What gas traps Earth's heat and may cause the "Greenhouse" effect?
Answer: Carbon dioxide
- 27) Birmingham and Selma are cities in what Southern State?
Answer: Alabama
- 28) What bluish mineral, technically a hydrated phosphate of aluminum and copper, is used in Indian jewelry of the American Southwest?
Answer: Turquoise
- 29) The bassoon, clarinet and flute are part of which instrument group?
Answer: Woodwind
- 30) Tracks of the Central Pacific and what other railroad met in Utah when the first transcontinental railroad was born?
Answer: Union Pacific
- 31) What hairy, long-nosed, often one-eyed creature that in Norse Mythology lives in mountains and under bridges, as in "The Three Billy Goats Gruff."
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- 32) People sunbathing on a beach are affected by only a tiny fraction of the ultraviolet rays emitted by the sun. What gas in the atmosphere absorbs most of these rays?
Answer: Ozone (oxygen)
- 33) Name the phenomenon in which the frequency of a sound appears to be affected by the relative motion of the source and a listener.
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- 34) Catherine the Great was empress of what country in the 18th century?
Answer: Russia
- 35) The nickname "doughboys" was given to American soldiers during which war?
Answer: World War I
- 36) If you were to alphabetically arrange all of the U.S. states east of Michigan that border upon Canada, which would be last on your list?
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- 37) What kind of zones are represented on a map that divides the earth into 24 zones of 15 degrees of longitude each?
Answer: Time
- 38) Identify the disease often called the "great white plague" in earlier times.
Answer: Tuberculosis

- 39) There are two fundamental categories of energy. Which is illustrated by these examples?
a boulder on top of a hill
a stick of dynamite in your attic
a plate of garbanzo beans
an arrow held in a drawn bow

Answer: Potential energy

- 40) Opening in 1955 as the Rochester Community War Memorial, what is the new name, as of 1998, which houses concerts, ice hockey games and lacrosse games?

Answer: Blue Cross Arena

- 41) Name the annual awards for the best in TV programs.

Answer: Emmy Awards

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- 43) What is another name for the set of teeth referred to as “baby teeth” – those that fall out early in life?

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- 44) What is the area of a right triangle with legs of 8 inches and 10 inches?

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- 45) What is the perimeter of a nonagon if each side measures 15?

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- 46) A dilation of the cranial arteries is an important cause of this ailment, which can result in loss of appetite, nausea, and vomiting.

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- 47) Congressmen discussing what issue might pose the following question to young people or unskilled worker?

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- 48) The region that later became what U.S. state was first explored by the Frenchman Daniel Duluth?

Answer: Minnesota

- 49) He stood without an overcoat for two hours during his inauguration and died shortly thereafter of pneumonia. Name this American president.

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50) What hand-held rocket launcher of World War II which could be loaded and fired by only two men proved effective against heavily armored vehicles and emplacements?

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51) What kind of front is indicated on a surface weather map by a line from which small triangles are emerging?

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53) Letters are used as symbols which represent numbers in which branch of mathematics?

Answer: Algebra

54) It is located just south of the celestial equator. It includes the only bright green star known called Beta Librae. Name this constellation related to balance and the scales.

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55) What is the name for the form of oxygen whose molecules consist of three oxygen atoms?

Answer: Ozone

56) Name the gas which is the major constituent of natural gas.

Answer: Methane

BATCH 6
BONUS TOPICS

1. U.S. SYMBOLS

2. THE LETTER *E*

3. MATH

4. SOUTH AMERICA

U.S. SYMBOLS

Identify each of the following concerning U.S. symbols and slogans.

1. Animal featured on the Great Seal	(Bald) eagle
2. Sport often called “America's favorite pastime”	Baseball
3. Traditional American Thanksgiving pie	Pumpkin pie
4. Motto first used on a 2-cent coin and later adopted as the national motto	In God We Trust
5. Great Seal’s Latin phrase meaning “one, out of many”	E Pluribus Unum
6. Branch of the Armed Forces whose slogan is Semper Fi (Semper Fidelis), “Always Faithful”	U.S. Marine Corps

THE LETTER E

Identify each of the following, all of which begin with the letter E.

1. Imaginary line at zero degrees latitude	Equator
2. Triangle with 3 sides of equal length and 3 angles of equal size	Equilateral triangle
3. Capacity to do work possessed at any moment by a body	Energy
4. Very young plant or animal before hatching or birth	Embryo
5. U.S. President in the 1950s	(Dwight D.) Eisenhower
6. Canal opened in New York in 1825 to link the Hudson River with a Great Lake	Erie Canal

MATH

Answer each of the following quick math questions.

1. What name is given to a line that touches a circle at just one point?	Tangent
2. What is the additive inverse of $\frac{3}{7}$?	Negative $\frac{3}{7}$
3. In 4 hours how many degrees does the earth rotate?	60 degrees
4. How many degrees are there in a circle?	360 degrees
5. How many years is $\frac{1}{2}$ score years?	10
6. What is $\frac{3}{5}$ divided by $\frac{3}{5}$?	1

SOUTH AMERICA

Name the capitals of each of the following South American countries.

1. Argentina	Buenos Aires
2. Venezuela	Caracas
3. Brazil	Brasilia
4. Chile	Santiago
5. Peru	Lima
6. Guyana	Georgetown

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