1. This short story tells of Harry Thornburn’s battle with a huge hawklike bird which gives him the opportunity to meet his father’s expectations. In which T. O. Beachcroft short story does this occur?

   (THE) ERNE FROM THE COAST

2. Portraying 3 people marching across a field during the American Revolutionary War, identify this painting by Archibald MacNeal Willard.

   (THE) SPIRIT OF ’76

3. For the point (8, 6) identify the abscissa.

   8

4. The battle sent shockwaves throughout the colonies and the world as it was astonishing that farmers were able to beat the British forces. It marked a significant turning point because open military conflict made reconciliation between Britain and the colonies all the more unlikely. Fought on April 19, 1775, give the name of these two battles that opened the Revolutionary War.

   (BATTLE OF) LEXINGTON & CONCORD

5. What term beginning with the letter M refers to an egg-laying mammal?

   MONOTREME

6. Name the law that states that for a fixed amount of gas at a constant pressure, the volume of gas increases as the temperature increases.

   CHARLES’ LAW

7. The exiled duke Prospero releases Ariel from a pine tree prison and engages his services in cultivating a romance for his daughter, Miranda, and in regaining his dukedom in which play written by William Shakespeare?

   (THE) TEMPEST

8. Divide the following: $49x^5y^4 / 7x^3y^3$

   $7x^2y$

9. This amphibious strategy began well but faltered in the Shenandoah Valley during the Seven Days’ Battles when Confederate forces behind Generals Jackson and Lee dominated the action. Give the name of the Union’s first sophisticated effort to lay waste to Richmond and the Confederacy.  
   
   PENINSULAR CAMPAIGN
10. His dynasty reigned for more than 100 years. In 616 B.C. which man became the first Etruscan ruler of Rome?

   (LUCIUS) TARQUINIUS

11. Identify this art method of borrowing and combining styles from multiple art movements, schools, styles, or other artists into one work of art.

   ECLECTICISM

12. Give the genetics term meaning *physical appearance*.

   PHENOTYPE

13. In the sentence, “She ate seven pieces of chicken for lunch,” identify the direct object.

   PIECES

14. Solve the following system of equations:  

   \[ \begin{align*}
   10x + 7y &= 49 \\
   10y - x &= 70
   \end{align*} \]

   \((x, y) = (0, 7)\)

15. Good thoughts, good words, and good deeds make up the “Good Life” sought by the followers of this religion. Name this Middle Eastern religion that called for righteousness and allegiance to Ahura Mazda, the “Wise Lord.”

   PARSISM or ZOROASTRIANISM

16. Given that \(y\) varies indirectly as \(x\) and \(y = 5\) when \(x = 2\). Find \(y\) when \(x = 1\).

   10

17. Which political term refers to the act of both campaign parties attempting to ruin their opponents’ reputations with insults?

   MUDSLINGING

18. Intentionally not published until after the author’s death, identify this drama that is a portrait of his family written by Eugene O’Neill.

   (A) LONG DAY’S JOURNEY INTO NIGHT

19. It occurs in cells as a means of reproduction. Identify the 2-word term referring to the repeated process in which cells copy their contents and then divide into two.

   CELL CYCLE

20. It was made from parts of the Mediterranean sedge plant. Identify this predecessor of modern paper used in ancient Greece, Egypt, and Rome.

   PAPYRUS
21. His serious calcium imbalance left him with stunted legs and a dwarf-like appearance. Identify the French artist who often used cafes as subject material and music hall dancers in such paintings as *Dance at the Moulin Rouge* and *At the Moulin Rouge.*

(HENRI DE) TOULOUSE-LAUTREC

22. Given the sentence, "She was driven to the mall by her brother," identify the voice of the verb.

PASSIVE (VOICE)

23. Find the slope of the line passing through the points (8, 3) and (2, -5)

4/3

24. How many inches are there in 12 yards?

432 (INCHES)

25. The time-consuming delaying tactic used in the legislative branch of the government is known by what term?

FILIBUSTER

26. The recruiting poster which featured Uncle Sam was modeled after the artist himself. Name the artist with a patriotic last name.

(JAMES MONTGOMERY) FLAGG

27. In how many different ways can a group of five students be seated around a round table?

24

28. Villain Simon Legree first appeared in which novel written by Harriet Beecher Stowe?

UNCLE TOM'S CABIN

29. Located in the Indian ocean off the coast of India, what island is about the size of West Virginia?

SRI LANKA

30. In a 45°-45°-90° right triangle, one leg measures 5 centimeters. What is the length of the hypotenuse?

5 RADICAL 2 CENTIMETERS

31. He is considered by many to be America's greatest native born poet. Name the author of "Song of Myself," "O Captain! My Captain," and "When Lilacs Last in the Dooryard Bloom'd."

(WALT) WHITMAN

32. Give the name of the symbiotic relationship in which both organisms benefit.

MUTUALISM
33. What term refers to a wave that disturbs a medium?

   MECHANICAL (WAVE)

34. He was an English-backed pirate and later admiral who terrorized Spanish treasure galleons, circumnavigated the globe from 1577 to 1580, and led the English fleet in crucial battles against the Spanish Armada in 1588. Name this captain of the *Golden Hind*.

   (SIR FRANCIS) DRAKE

35. Multiply the following: \((2x)^2 (2x)^3\).

   \[32x^5\]

36. This fictional character's horse is named Rocinante. Name this character whose sidekick is Sancho Panza.

   DON QUIXOTE

37. The Leyden Jar was the first of these electrical devices to be developed. Name this electrical component that is used to store electrical charge.

   CAPACITOR

38. Give the musical term for the curve over notes to indicate that a phrase is to be played legato.

   SLUR

39. Haiku is a type of Japanese poetry which presents a picture of nature. Give the number of syllables in a Haiku.

   17 (LINES)

40. Give the term beginning with the letter F that refers to the probability that an individual will contribute its genes to the next generation.

   FITNESS
SECOND HALF

1. This short story tells of the survivors of the steamer *Commodore* being pitted against the forces of nature. In which Stephen Crane short story does this occur?

   (THE) OPEN BOAT

2. In 1642 Rembrandt painted a group of volunteer militia men. Give the name of this famous painting.

   NIGHT WATCH

3. Give the binary number for 15.

   111

4. Give the geographic term referring to a part of a large body of water that extends into a coastline.

   BAY or GULF

5. Name this Seminole chief who refused to leave Florida and joined with a group of runaway African Americans and attacked settlements along the coast.

   OSCEOLA

6. Which concept of Taoism is based on the ancient principle of activity and passivity or simply good and bad?

   YIN & YANG

7. The meaning of this art movement is Rocking Horse. What international anti-art movement reflects the cynicism of the post-World War I era?

   DADA

8. Lady Brett Ashley, Jake Barnes, and Michael Campbell are all characters in which book written by Ernest Hemingway?

   THE SUN ALSO RISES

9. Give the equation of a line having a slope of -4 and x-intercept of 3.

   \[ Y = -4x + 12 \]

10. Name this Swiss artist that was never associated with any particular art movement or style but whose works include examples of cubism and abstractism. Examples of some of his works include *Senecio*, *Palace from Four Sides*, and *Red Balloon*.

    (PAUL) KLEE

11. Identify this Native American Sauk chief who in 1832 led a force of Sauk and Fox people back to Illinois which ended up with the Illinois state militia killing most of the people.

    (CHIEF) BLACK HAWK
12. Which chemical element has as its symbol Xe?

XENON

13. Its break with the Roman Catholic Church was finalized in 1054. Name the second largest Christian faith in the world.

ORTHODOX EASTERN (CHURCH) or EASTERN ORTHODOX (CHURCH)

14. They are strong, hard and shiny, and have high melting points. Name this group of metals that can be regarded as typical metals.

TRANSITION (METALS)

15. In which of quadrant of the Cartesian plane would the coordinate (-3, 4) lie?

2nd

16. Give the name of the Catholic reformer, who in 1521, gave up his life as a Spanish noble to serve God and the Roman Catholic Church. In 1540 he found the Society of Jesus whose members were called Jesuits.

(IGNATIUS OF) LOYOLA

17. Three narrators tell the story of the central character, Thomas Sutpen, in which book written by William Faulkner?

ABSALOM! ABSALOM!

18. This question requires numbers to answer it. If a right triangle has sides that measure 18 meters, 24 meters, and 30 meters, what type of right triangle is it?

3-4-5 (TRIANGLE)

19. According to Aristotle, the purging of the feelings of pity and fear that occur in the audience of tragic drama is known as what?

CATHARSIS

20. Give the term beginning with the letter H referring to an organism that cannot make its own food.

HETEROTROPH

21. If Jon said, “Heard in the band” instead of what he was supposed to say, “Bird in the hand,” he is using which literary term beginning with the letter S? It refers to a reversal in words to produce a humorous effect.

SPOONERISM

22. Many plants will only grow during the time when light is available. What are these periods called?

PHOTOPERIODS

23. What is the x-intercept of the equation $y = -4x + 12$?
24. Unlike those that contain more blue, warm colors contain a large amount of which color?

YELLOW (COLOR)

25. This question requires a multiple answer. Name 2 of the 4 capitals through which the Danube River passes.

VIENNA, BUDAPEST, BELGRADE, BRATISLAVA (ANY 2)

26. This artist used the Impressionist idea of mixing colors in a scientific, almost mathematical way. Instead of using short strokes of color, he applied thousands of tiny dots. Name this artist known for *Sunday Afternoon on the Island of La Grande Jatte*.

(GEORGES) SEURAT

27. He devoted himself entirely to writing, and his poetry was strongly influenced by T. S. Eliot. He was a Georgia native poet and novelist who underwent a traumatic experience at the age of 11 when his doctor father killed his mother and then himself. Name this writer whose major works were *Punch* and *Collected Poems*.

(CONRAD) AIKEN

28. These metals are very reactive and include sodium and potassium. Identify this group of metals which form Group I of the periodic table.

(ALKALI) METALS

29. Find the slope of the line perpendicular to the graph of the line: \( x - 3y - 8 = 0 \)

-3

30. Give the number of words that should be capitalized in the following sentence: She wanted to take German, French, and Spanish while either a junior or senior in high school.

4

31. The world’s first skyscraper was a 10-story office building supported by an iron-and-steel frame. Give the name of the man who constructed this wonder in 1884.

(WILLIAM LEBARON) JENNEY

32. In bowling what is the term referring to when all 10 pins are knocked down at once?

STRIKE

33. This major political party was founded in 1827 and then was eventually folded into the Whig Party. Identify this party that was a protest against the Masonic principles when it was alleged that a member of the Masons was murdered because he had threatened to make the group’s secret rites public.

ANTI-MASONIC (PARTY)

34. Correct the following sentence if needed, “After she came home, she set down on the side of the bed.”

CHANGE SET TO SAT
35. If \( X \) star \( Y \) is defined as \( 4x - y^2 \), what is 8 star 5?

7

36. Name the layer that extends from the edge of the liquid outer core to where the earth’s crust begins.

MANTLE

37. It follows the teachings of the Koran. Identify this religion founded by Muhammad.

ISLAM

38. Lexington and Louisville are 2 of the 3 largest cities in Kentucky. What is the remaining city that is the third largest city in Kentucky?

OWENSBORO

39. In the sentence, “If they’re coming over, then clean up your room,” give the correct spelling of \( \text{they’re} \).

THEY’RE

40. The mobiles of Alexander Calder are examples of this movement. Name this form of sculpture using wood, metal, glass, and modern industrial materials expressing the technological society.

CONSTRUCTIVISM

EXTRA QUESTIONS

1. 15 is the arithmetic mean of -20 and what number?

50

2. Give the name of the Native American leader who joined the Pilgrims in their Thanksgiving in 1621.

MASSASOIT

3. They are not membrane bound. Identify the clear regions in which the genetic material of prokaryotes is located.

NUCLEOIDS

4. Give the Spanish term for a woman’s short jacket or slow-moving dance.

BOLERO

5. Examples include \( 1 - 3 - 5 \) or \( 2 - 4 - 6 \). Identify the common chord type consisting of three pitches built on alternate scale tones of a major or minor scale.

TRIAD