

Packet 3

American Quiz Bowl League — N1

1. **Particles able to exceed this constant are called tachyons. The ratio between v and this constant is equal to the index of refraction. According to special relativity, this constant is the same in all reference frames. This constant is roughly equal to (*) 3 times 10 to the 8th meters per second. For 10 points, name this speed at which photons travel.**

ANSWER: the speed of light [or c] <Bowman>

<Science - Physics>

2. **Truman Capote inspired a companion of this novel's narrator named Dill Harris. In this novel, a man nicknamed "one shot" attempts to defend a character accused of rape. After a Halloween pageant, two children in this book are saved from (*) Bob Ewell by the gift-giving Boo Radley. For 10 points, Scout Finch narrates what Harper Lee novel?**

ANSWER: To Kill a Mockingbird <Ganeshan>

<Literature - American>

3. **A theodicy seeks to reconcile God's existence and this concept. In her book *Eichmann in Jerusalem*, Hannah Arendt conceived the "banality of [this concept]". The Epicurean paradox is also known as the (*) "problem of [this concept]". For 10 points, name this concept commonly stated as being a lack of good.**

ANSWER: evil <Bhatt>

<Philosophy - Philosophy>

4. **Orange trees appear at the top of one painting by this artist that depicts one figure standing in the middle of a grove. Another painting by this artist depicts that same goddess being blown towards the shore by (*) Zephyrus after emerging from a shell. For 10 points, name this Italian Renaissance artist of *Primavera* and *The Birth of Venus*.**

ANSWER: Sandro Botticelli [or Alessandro di Mariano di Vanni Filipepi] <Venkateswaran>

<Fine Arts - Painting>

5. **A character in this novel climbs a Ferris wheel during capture the flag when she asks a man, "Are you afraid of heights?" A fear landscape is used to track skill in this novel, whose protagonist displays inconclusive results when testing for five (*) factions including Erudite and Dauntless. Tris appears in, for 10 points, what novel by Veronica Roth?**

ANSWER: Divergent <Ganeshan>

<Literature - Other>

6. **The "Scotch tape method" is a way to isolate one allotrope of this element called graphene. Another allotrope of this element is the hardest naturally-occurring substance, that allotrope is (*) diamond. This element is found in all living things, making it the basis for organic chemistry. For 10 points, name this element with symbol C.**

ANSWER: carbon [accept C before mention] <Jai>

<Science - Chemistry>

7. **This building contains the Joan Sutherland Theatre as well as underground chambers for performers. This building was designed by Jorn Utzon ("YORN UT-zuhn"). This building's concrete roof panels are often described as (*) cream-colored curved shells. Located near the Harbour Bridge in New South Wales, for 10 points, identify this Australian music venue.**

ANSWER: Sydney Opera House <Sheidlower>

<Fine Arts - Architecture>

8. **The inequality between the arithmetic and geometric types of this value can be proven using induction. According to the law of large numbers, this value for a sample approaches the expected value. This value has a z-score of (*) zero and marks the highest point on a bell curve. For 10 points, name this average contrasted with the median and mode.**

ANSWER: mean [accept arithmetic mean or geometric mean; prompt on average] <Bowman>
<Science - Mathematics>

9. **A composer with this last name wrote a short C minor *Solfeggietto*. Felix Mendelssohn revived the *St. Matthew Passion* by a composer with this surname, who wrote two books of 24 (*) preludes and fugues in each major and minor key. For 10 points, name this surname of the composer of the *Goldberg Variations* and *The Well-Tempered Clavier*, Johann Sebastian?**

ANSWER: Bach [accept Carl Philip Emanuel Bach; accept Johann Sebastian Bach] <Sheidlower>
<Fine Arts - Great Composers and their Works>

10. **After a character in this novel is gifted a piano by Mr. Laurence, she later contracts scarlet fever from the Hummels. In this novel, the school of Plumfield is established by Friedrich Bhaer, who marries one of Marmee's daughters. (*) Megan, Jo, Beth, and Amy March all appear in, for 10 points, what novel by Louisa May Alcott?**

ANSWER: Little Women <Benti>
<Literature - American>

11. **Hong Kong protestor Agnes Chow has been hailed as the "real" version of this character. A 2020 film named for this character was boycotted in part due to its use of Uighur land; that film stars (*) Liu Yifei, who has tweeted against Hong Kong. For 10 points, name this female Chinese warrior who names the live-action remake of a classic Disney film.**

ANSWER: Mulan [or Hua Mulan] <Bowman>
<Current Events - Rest of World>

12. **This city's police force was sued by a man who asked "Can't we all just get along?" Mexican residents of this city were attacked by white servicemen in the 1943 Zoot Suit Riots. Four police officers were acquitted for beating a (*) Black man in this city, leading to the 1992 Rodney King riots. For 10 points, name this largest city in California?**

ANSWER: Los Angeles [or LA] <Sheidlower>
<History - American>

13. **This goddess accidentally speared her son while he was in the form of a hippo. A snake created by this goddess bites Ra, forcing him to give her his true name. This goddess finds thirteen (*) pieces of her husband and revives him, making him the lord of the underworld. For 10 points, name this goddess, the wife of Osiris.**

ANSWER: Isis [accept Aset; accept Eset; accept Ese] <Chen>
<Mythology - Egyptian>

14. **This city fought the Papacy in the War of the League of Cambrai. People threw rings from the Bucentaur during this city's Marriage of the Sea ceremony. Troops from this city were led during the Fourth Crusade by Enrico (*) Dandolo, who served as this city's doge. For 10 points, name this Italian city on the Adriatic Sea known for its canals.**

ANSWER: Venice [or Venezia] <Sheidlower>
<History - European>

15. **In the music video for this song, this song's singer is dressed up as an old man and parties on a golf course. This song is from the album *The Kids are Coming* and its lyrics tell the listener to (*) "move for me, move for me, move for me" and "dance just one more time." For 10 points, name this high-pitched hit single by Tones & I.**

ANSWER: Dance Monkey <Bowman>
<Trash - Other>

16. **An autoimmune form of this disease destroys beta cells in the islets of Langerhans. Symptoms of this disease include severe ketoacidosis and frequent urination. Obesity raises the risk of the (*) Type II form of this disease. For 10 points, name this disease characterized by high blood sugar and a lack of responsiveness to insulin.**

ANSWER: diabetes mellitus [accept Type 1 diabetes, accept Type 2 diabetes, do NOT accept or prompt on “diabetes insipidus”] <Kodali>
<Science - Biology>

17. **In a story by this author, a small girl born from barleycorn flies on a swallow to meet a flower-prince. Kai is saved from “The Snow Queen” in a story by this author, and in another, a character drinks a potion from the Sea Witch to change forms. (*) “Thumbelina” and “The Little Mermaid” are both by, for 10 points, what Danish author of fairy tales?**

ANSWER: Hans Christian Andersen <Bowman>
<Literature - European>

18. **Debts in this city were canceled by the statesman Solon, who also repealed the harsh law code of Draco. Citizens of this city could be exiled through the practice of ostracism. (*) Pericles led this city during its Golden Age and during the Peloponnesian War against Sparta. For 10 points, name this Greek city-state known for its democracy.**

ANSWER: Athens <Maharjan>
<History - Ancient>

19. **Alfred Kroeber documented an isolated man from this country named Ishi. At a university in this country, Manuel Gamio and the author of *Patterns of Culture* were taught by Franz Boas. An anthropologist from this country wrote (*) *Coming of Age in Samoa* and is named Margaret Mead. For 10 points, name this home country of Columbia University.**

ANSWER: United States of America [accept either underlined portion; or the USA] <Sheidlower>
<Social Science - Anthropology>

20. **Buckminster Fuller designed Habitat 67 and a geodesic dome for a World’s Fair in this province. The Gaspé Peninsula is located in this province, whose largest city hosted the 1976 Summer (*) Olympics. This province’s southern boundary is formed by the St. Lawrence River. For 10 points, Montreal is located in what French-speaking Canadian province?**

ANSWER: Quebec <Bowman>
<Geography - North American>

TIEBREAKER:

The Athanasian Creed is recited to affirm belief in this doctrine, whose name was coined by Tertullian. St. Patrick explained this doctrine with the metaphor of a shamrock. The Arian heresy opposes this doctrine by disputing the divinity of (*) Jesus. For 10 points, name this Christian doctrine that states that God consists of three parts.

ANSWER: The Holy Trinity [or trinitarianism] <Terman>
<Religion - Christianity>