

## STEMs World International GK Olympiad 2021-22

Class 10

1. The violin is a wooden string instrument. It is played by drawing a bow across its strings. How many strings does the standard violin usually have?

A) 3

B) 4

C) 5

D) 6

(B)

2. This flower, native, to Mexico, is named after its chocolate like odour on blooming. It commonly blooms at evening in end of summer. It has been extinct in the wild. Name it.

A) *Cosmos atrosanguineus*

B) *Lotus berthelotii*

C) *Strongylodon macrobotrys*

D) Middlemist red

(A)

3. Biodiversity refers to the number and variety of organisms found within a particular habitat. Which of the following is one of the measure of biodiversity?

A) Ecosystem diversity

B) Species diversity

C) Genetic diversity

D) All of these

(D)

4. The Indian Navy has recently inducted four sonar systems to boost its underwater surveillance capabilities. Which of the following is not one of these four systems?

A) PALS

B) ABHAY

C) HUMSA-UG

D) AIDSS

(A)

5. Fat can be separated from milk in a cream separator because of

A) Centrifugal force

B) Cohesive force

C) Gravitational force

D) Centripetal force

(A)

6. What is the term given to each of two or more alternative forms of a gene that usually arise by mutation and are found at the same place on a chromosome?

- A) Locus
- B) Allele
- C) DNA
- D) RNA

( B )

7. This branch of science involves the study of bird eggs, nests and breeding behaviour. Which branch of science is this?

- A) Herpetology
- B) Oology
- C) Ethology
- D) Ichthyology

( B )

8. Facebook, as we all know, is an online social media and social networking service that was launched in 2004 by Mark Zuckerberg, along with fellow Harvard College students. Since then it has grown from strength to strength. Which of the following companies has it not acquired since its inception?

- A) Branch
- B) WhatsApp
- C) Instagram

D) Youtube

(D)

9. Europe is reeling under a major refugee crisis in trying to accommodate those fleeing war-torn countries like Syria. When does the world observe World Refugee Day?

A) June 1

B) June 13

C) June 20

D) June 29

(C)

10. Biodiesel is an alternative fuel similar to conventional or 'fossil' diesel. Which of these can be used in producing biodiesel?

A) Waste cooking oil

B) Soybean oil

C) Animal fat

D) All of these

(D)

11. Fossil fuel combustion results in release of many pollutants out of which two gases when released into the air combine with water vapour to form acid rain.

Name these two gases.

- A) Methane and carbon dioxide
- B) Carbon monoxide and ozone
- C) Nitrogen oxide and sulphur dioxide
- D) Ozone and methane

(C)

12. Soap and detergents are the source of organic pollutants like

- A) Glycerol
- B) Polyphosphates
- C) Sulphonated hydrocarbons
- D) All of these.

(D)

13. Which of the following countries is the largest producer of copper?

- A) Chile
- B) Peru
- C) Indonesia
- D) China

( A )

14. The United Nations has a number of special agencies each of which has a specific agenda. Which of these UN organizations deals with human rights related issues?

- A) UNESCO
- B) UNDP
- C) UNICEF
- D) LINHRC

( D )

15. It was the largest known carnivorous marsupial of modern times. It was native to Tasmania and believed to have become extinct in 20th century. Which animal are we talking about?

- A) Thylacine
- B) Macropod
- C) Dasyurid
- D) Wombat

( A )

16. A living fossil is a living species of organism that closely resembles species otherwise known only from the fossil records. Which of the following is not a living fossil?

- A) Mountain beaver
- B) Queensland lungfish
- C) Archaeopteryx
- D) Horseshoe crab

( C )

17. It is a Mobile App developed by the National Payments Corporation of India (NPCI) that is intended to facilitate e-payments directly through banks as part of the 2016 Indian banknote demonetization. Name the app.

- A) UPI
- B) PayTM
- C) Rupay
- D) BHIM

( D )

18. Which of the following term describes the alignment of three celestial bodies?

- A) Syzygy
- B) Sizzle
- C) Stretch

D) Symbology

(A)

19. From where was India's multipurpose telecommunication satellite INSAT-2E launched?

A) Thumba

B) Baikanour

C) Kourou

D) Sriharikota

(C)

20. Vijay Tendulkar was the pioneer of modern Marathi play. His works depict life's harsh realities and offer strong socio-political commentary. He wrote his first play at the age of 11. He won the Padma Bhushan and also a Sangeet Natak Akademi fellowship. Which of the following plays is not written by him?

A) Ghashiram Kotwal

B) Shantata! Court Chalu Aahe

C) Yayati

D) Sakharam Binder

(C)