

DAILY QUIZ (02-06-2023)

SCIENCE & TECHNOLOGY

- **1.** With reference to Gene therapy, which of the following statements is/are correct?
- 1. This technique treats a disease by altering the genetic makeup.
- 2. It introduces molecular tools to change the existing cellular DNA.
- 3. This therapy is used to treat spinal muscular atrophy.

Select the correct answer using the code given below:

- (a) 1 only (b) 1 and 2 only (c) 2 and 3 only (d) 1, 2 and 3
- 2. With reference to CRISPR-CAS9, which of the following statements is/are correct?
- 1. It is a unique set of DNA sequences present in all the bacteria.
- 2. CRISPR system can identify and destroy the foreign DNA.
- 3. It has been used to modify the genomes of a variety of species including fruit flies and yeast. Select the correct answer using the code given below:
- (a) 1 only
- (b) 1 and 2 only
- (c) 2 and 3 only
- (d) 1, 2 and 3
- 3. Which of the following is/are the uses of baking soda?
- 1. Soda-acid fire extinguishers.
- 2. Making drinking water free from germs.
- 3. Oxidising agent in chemical industries. Select the correct answer using the code given below:
- (a) 1 only
- (b) 1 and 2 only
- (c) 2 and 3 only
- (d) 1, 2 and 3
- 4. With reference to convex mirrors, consider the following statements:
- 1. They are curved outwards hence give a wider view.
- 2. They always give an erect and diminished image.
- 3. They are commonly used in vehicles headlights.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 1 and 2 only
- (c) 2 and 3 only
- (d) 1, 2 and 3
- 5. Consider the following pairs:

Petroleum

Constituents Use

- 1. Petrol Solvent for Dry cleaning
- 2. Parafin wax3. BitumenAviation fuel

How many pairs given above is/are correctly matched?

- (a) Only one pair
- (b) Only two pairs
- (c) All three pairs
- (d) None of the pairs
- 6. With reference to role of Artificial Intelligence (AI) in agriculture, consider the following statement:
- 1. It can detect weed affected areas to precisely spray herbicides preventing over use of herbicides.
- 2. It can monitor soil defects on a real time basis but not the soil nutrient deficiency.
- 3. Its predictive insights can help farmers reduce impact by weather.

Which of the statements given above is/are correct?

- (a) 1 and 3 only
- (b) 1 only
- (c) 2 and 3
- (d) 1, 2 and 3
- 7. Which of the following fibre is commonly referred to as 'artificial silk'?
- (a) Rayon
- (b) Linen
- (c) Acrylic
- (d) Nylon
- 8. Consider the following statements:
- 1. Preservatives prevent the growth of microbes in edible commodity.
- 2. Pasteurised milk can be consumed without boiling.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2
- 9. The term 'Alpha Fold', sometimes seen in the news in the context of which of the following?
- (a) AI based product created by the Google to have real time location sharing with street view mapping.
- (b) Warp created in space and time due collision of two black holes.
- (c) Dark area of Universe generating huge fluxes of Alpha rays.

(d) AI-based protein structure prediction tool.

- 10. Which of the following statements is/are correct with respect to Polycyclic Aromatic Hydrocarbons
- (PAHs):
- 1. PAHs are a class of chemicals that occur naturally in fossil fuels.
- 2. Fungus is capable of removing toxic and carcinogenic polycyclic aromatic hydrocarbons from the environment.
- 3. PAHs can be formed on the exposer of high heat during cooking food.

Select the correct answer using the code given below:

- (a) 2 only
- (b) 2 and 3 only



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(c) 1 only **HISTORY** (d) 1, 2 and 3

- 11. Copper was sourced by the Indus Valley people from which of the following places?
- 1. Khetri
- 2. Oman
- 3. Malanjkhand

Select the correct answer using the code given below:

- (a) 1 only
- (b) 1 and 2 only
- (c) 3 only
- (d) 2 and 3 only
- 12. Consider the following pairs about the Rigvedic period: S.N. Term Meaning
- 1. Panis They were the enemies of the Vedic
- 2. Gomat It was used as a term for a measure of time.
- 3. Varuna He was the god of thunder and was the rain-maker, who was asked periodically to release the water.

How many pairs given above is/are correctly matched?

- (a) One pair only
- (b) Two pairs only
- (e) All three pairs
- (d) None
- 13. Which of the following sources give the list of Exclusive the sixteen Mahajanapadas?
- 1. Anguttara Nikaya
- 2. Mahavastu
- 3. Bhagavati Sutra

Select the correct answer using the code given below:

- (a) 1 and 2 only
- (b) 1 and 3 only
- (c) 2 and 3 only
- (d) 1, 2 and 3
- 14. Which of the following is the correct chronological order of the following events?
- 1. Reign of Asoka
- 2. Invasion of Alexander
- 3. Arabs conquer Sind
- 4. Pilgrimage of Xuan Zang

Select the correct answer using the code given below:

- (a) 1-3-2-4
- (b) 1-2-3-4
- (c) 2-1-3-4
- (d) 2-1-4-3
- 15. The term 'Adimai' mentioned in the Sangam Texts refers to which of the following?
- (a) Village headman

- (b) Landowners
- (c) Slaves
- (d) Ploughmen
- 16. Which of the following ancient literature text was composed the earliest?
- (a) Ashtadhyayi
- (b) Manu Smriti
- (c) Sushrut Samhitas
- (d) Natyashastra
- 17. The Buddhist text 'Majjhima Nikaya' belongs to which of the following sect?
- (a) Mahayana
- (b) Sarvastivadins
- (c) Theravada
- (d) Vajrayana
- 18. With reference to Jainism, consider the following statements:
- 1. Mahavira was the last or the twenty- fourth Tirthankara.
- 2. Vardhamana Mahavira was the spiritual successor of Rishabhadeva.
- 3. Mahavira's family was connected with the royal family of Magadh.

Which of the statements given above are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3
- for UPSC/OPSC 19. Consider the following statements about the Gupta times:
 - 1. Capital punishment was not given at all.
 - 2. The army was paid in cash.
 - 3. There was a regular department for proper survey and measurement of land.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3
- 20. The words 'Khila' and 'Aprahata', used in the ancient times, refer to which of the following?
- (a) A measure for land.
- (b) Land the revenue of which went directly to the royal treasury.
- (c) Land not under cultivation.
- (d) Land which was exempt from taxation.

CURRENT AFFAIRS

- 21. Which of the following is/are the effects of climate change on women?
- 1. Displacement due to their social and economic vulnerabilities
- 2. More vulnerable to food insecurity caused by climate change.



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- 3. Increase in their workload and more risk of physical harm.
- 4. Women are also more likely to suffer from malnutrition. anaemia. and other conditions.

Which of the above statements is/are correct?

- a) 1 and 2 only
- b) 1, 2 and 3 only
- c) 2, 3 and 4 only

d) 1, 2, 3 and 4

- 22. Consider the following statements about Pradhan Mantri Kaushal Vikas Yojana, PMKVY
- 1. It was announced during the Union Budget 2023.
- 2. For PMKVY 4.0, skills relevant to Industry 4.0 such as AI, coding, mechatronics, drones, 3D printing and more would be made available to the

Which of the above statements is/are correct?

- a) 1 only
- b) 2 only

c) Both 1 and 2

- d) Neither 1 nor 2

- 4. Eastern Bridge: It is a joint military exercise conducted between India and Kuwait.

Which of the above is/are matched correctly?

- a) 1, 2, 3 and 4
- b) 1, 2 and 4 Only
- c) 1 and 3 Only

d) 1 and 4 Only

- Which Indian state announced establishment of India's first welfare fund for gig workers?
- a) Maharashtra

b) Raiasthan

- c) Uttar Pradesh
- d) Karnataka
- 25. Consider the following statements about Sendai Framework:
- 1. As a voluntary agreement, the Sendai Framework is not legally binding.
- 2. The Sendai Framework serves as the successor to the Hyogo Framework for Action (2005–2015).

Which of the above statements is/are correct?

- a) 1 Only
- b) 2 Only

c) Both 1 and 2

d) Neither 1 nor 2

