

DAILY GENERAL AWARENESS QUIZ



Saturday, 26 October 2024

1. IMF retains India's GDP growth rate at 7% during current fiscal year. In context to the same tell us, What is Nominal Gross Domestic Product (GDP)?

- (A) The Gross Domestic Product (GDP) that is calculated by taking a base year as a determinant.
- (B) The Gross Domestic Product (GDP) that excludes all exports and imports in the calculation.
- (C) The Gross Domestic Product (GDP) that is calculated at the current market price.
- (D) The Gross Domestic Product (GDP) is calculated in terms of cryptocurrency.

2. Darasing Khurana Honored with Mahatma Gandhi Leadership Award. Mahatma Gandhi International Award for Peace and Reconciliation (2011) has been given to -

- (A) Aung San Suu Kyi
- (B) Bill Clinton
- (C) Dalai Lama
- (D) Sheikh Hasina Wajed

3. New Himalayan snake species named after 'Titanic' actor Leonardo DiCaprio. In context to the same tell us, Snakes belong to which animal class?

- (A) Vertebrata
- (B) Reptiles
- (C) Amphibia
- (D) Mammalia

4. Shillong emerges as most popular destination for Indian travellers in 2025. In context to the same tell us, Shillong is also known as _____ of the East.

- (A) Scotland
- (B) England
- (C) Iceland
- (D) Poland

5. Pravasi Parichay 2024 Launched in Riyadh. In context to the same tell us, 'Pravasi Bharatiya Divas (NRI Day)' is celebrated on _____ of every year.

- (A) 2nd January
- (B) 5th January
- (C) 4th January
- (D) 9th January

6. Researchers Discovered Gliese 229B is Two Binary Brown Dwarf Orbiting a Star.

Which of the following statements about Pluto and the classification of dwarf planets are correct?

(1) A dwarf planet is a celestial body orbiting the Sun and has enough mass to take a nearly round shape.

(2) Dwarf planets have cleared their neighboring region of planetesimals.

(3) Pluto, which was previously classified as the ninth planet, was reclassified as a dwarf planet in 2006.

- (A) Only (1) and (3)
- (B) Only (1) and (2)
- (C) Only (2) and (3)
- (D) None of the above

7. Recently, a study by the Centre for Wildfire Research has found that global CO2 emissions from forest fires have surged by 60% since 2001.

Consider the following statements regarding Forest Survey of India -

(1) As per the India State of Forest Report 2011, the total forest cover was reported to be 6,92,027 km², accounts for 21.05%.

(2) Forest survey of India was established in June 1, 1981.

(3) Project "Pre-investment Survey of Forest Resources" (PISFR) was launched in 1965 by the GoI with the support of FAO and UNDP.

Which of the above is/are correct?

- (A) Only (1) and (3)
- (B) Only (1) and (2)
- (C) Only (2) and (3)
- (D) All of the above

8. Recently, the sea Phase of Malabar 2024 concluded at Visakhapatnam.

Consider the following statements Military Exercises -

(1) SALVEX: Air Exercise between India and Japan

(2) Sea Dragon: India, USA, Japan, Canada and South Korea

(3) La Perouse: India, Australia, United States, France, Japan, and United Kingdom.

Which of the above is/are correct?

- (A) Only (1) and (3)
- (B) Only (1) and (2)
- (C) Only (2) and (3)
- (D) None of the above

1-{C} - 2-{C} - 3-{B} - 4-{A} - 5-{D} - 6-{A} - 7-{D} 8-{C}



DAILY QUANT QUIZ



Saturday, 26 October 2024

1. A sum of Rs. 8,400 amounts to Rs. 10,500 in 5 years when invested at simple interest of 'r%' p.a. Find the amount received on investing the same sum after 5 years if the sum is invested at (r + 3) % p.a.

- (A) Rs. 12,400 (B) Rs. 11,840
(C) Rs. 11,460 (D) None of these

2. If 'a' and 'b' are the roots of the equation written as $x^2 - px - q = 0$, then find the value of $\left(\frac{a}{b} + \frac{b}{a}\right)$.

- (A) $\frac{-2q-p^2}{q}$ (B) $\frac{2q+p^2}{q}$
(C) $\frac{-2q+p^2}{q}$ (D) $\frac{2q-p^2}{q}$

3. The difference between present ages of Punita and her mother is 24 years. Punita's father is 4 years older than Punita's mother. If sum of the present ages of Punita's parents is 92 years, then find the present age of Punita's brother Punit who is five years younger than her.

- (A) 15 years (B) 20 years
(C) 25 years (D) 10 years

4. If 'p' = 204, 'q' = 206 and 'r' = 209, then find the value of $p^2 + q^2 + r^2 - pq - qr - pr$.

- (A) 21 (B) 15
(C) 23 (D) 19

5. A circle is inscribed inside an equilateral triangle of side $6\sqrt{3}$ cm. The area of the portion between the triangle and the circle is: [take $\pi = 3$ and $\sqrt{3} = 1.73$]

- (A) 19.71 cm² (B) 23.42 cm²
(C) 18.59 cm² (D) 24.31 cm²

6. Find the total number of prime factors of the given expression: $21^7 \times 19^7 \times 10^7$

- (A) 35 (B) 21
(C) 38 (D) 14

7. Find the ratio in which a mixture containing 30% sugar should be mixed with a mixture containing 50% sugar so that the resulting mixture contains 45% sugar?

- (A) 2:5 (B) 1:3
(C) 3:2 (D) 3:5

8. There are (2x - 1) boys and (x + 5) girls in a group. Out of given people (boys + girls), the probability of selecting a boy at random is (7/16). Find the total number of people in the group.

- (A) 16 (B) 14
(C) 20 (D) 12

9. 24 men and 10 women together can complete a work in 8 days. If each woman is twice as much efficient as each man, then find the time taken by 6 men and 8 women together to complete the same work.

- (A) 16 days (B) 12 days
(C) 10 days (D) 14 days

10. The floor of a building consists of 600 rhombus shaped tiles. If length of the diagonals of each tile is 16 cm and 19 cm, respectively, then find the cost of polishing the floor at a rate of Rs. 10 per m².

- (A) Rs. 112.2 (B) Rs. 84.2
(C) Rs. 91.2 (D) Rs. 76.4

1-{D} - 2-{A} - 3-{A} - 4-{D} - 5-{A} - 6-{A} - 7-{B} - 8-{A} - 9-{A} - 10-{C}



DAILY REASONING QUIZ



Rajnish Bhatnagar

Saturday, 26 October 2024

1. Select the option that is related to the sixth number in the same way as the first number is related to the second number and the third number is related to the fourth number.

11 : 81 :: 22 : 400 :: ? : 225

- (A) 13 (B) 11
(C) 17 (D) 15

2. Select the set in which the numbers are related in the same way as are the numbers of the following set.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 - Operations on 13 such as adding/ subtracting/ multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

[34, 204, 374]

[27, 162, 297]

- (A) (46, 276, 406) (B) (31, 186, 341)
(C) (62, 272, 682) (D) (19, 114, 259)

3. If $140 \# 57 = 4$, $15 \$ 34 = 105$, $144 \# 82 = 9$ and $75 \$ 64 = 750$, then find the value of $672 \# 87$ and $33 \$ 45$ respectively?

- (A) 12, 267 (B) 12, 297
(C) 16, 287 (D) 16, 297

4. Select the option that is related to fifth letter- cluster in the same way as the second - letter cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

BIAS: ZYRH :: NOTE: VMLG :: BEND: ?

- (A) YMVW (B) YDME
(C) YVMW (D) YWVM

5. If $A \% B$ means $A \times B$, $A \# B$ means $A \div B$, $A @ B$ means $A + B$ and $A \$ B$ means $A - B$, then what is the value of the expression '22 % 16 @ 345 # 15 \$ 12 % 13'?

- (A) 239 (B) 219
(C) 209 (D) 229

6. Select the option that is related to fifth letter- cluster in the same way as the second - letter cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

COLD:ESNH :: GAIN:IEKR :: DEAL: ?

- (A) CCZL (B) FIEN
(C) HGCP (D) FICP

7. 'A \$ B' means 'A is the mother of B'.

'A % B' means 'A is the wife of B'.

'A @ B' means 'A is the sister of B'.

'A # B' means 'A is the son of B'.

If $P \# R \% G$, $R @ H$, $J \$ H \# S$, then how is P related to the father of H?

- (A) Son (B) Grand son
(C) Grand daughter (D) Grand father

8. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

ab_a_bba__ba

- (A) aaaa (B) abbb
(C) baab (D) bbbb

1-{C} - 2-{B} - 3-{B} - 4-{D} - 5-{B} - 6-{D} - 7-{B} - 8-{C}



DAILY GENERAL STUDIES QUIZ



Saturday, 26 October 2024

BIOLOGY

1. Which of the following animal has a most important role played by clitellum?
(A) Millipede (B) Centipede
(C) Earthworm (D) Ringworm
2. The language used in writing the scientific name of animal is—
(A) French (B) Latin
(C) German (D) Dutch
3. A plant cell is distinguished from an animal cell by the presence of—
(A) Nucleus (B) cell wall
(C) Cell membrane (D) Mitochondria
4. The division of nucleus is called—
(A) Heterosis (B) Mitosis
(C) Meiosis (D) Karyokinesis
5. Human Beings belong to which category of the ecosystem?
(A) Omnivores (B) Carnivores
(C) Herbivores (D) Zooplankton
6. Who of the following is known as 'Father of Zoology'?
(A) Darwin (B) Aristotle
(C) Heckle (D) Edward Jenner
7. Which among the following is the
8. In which among the following categories, *Nepenthes khasiana* or Indian Pitcher Plant can be placed?
(A) Saprophyte (B) Xerophyte
(C) Insectivorous (D) Halophyte
9. The protein coat of viruses that enclose the genetic material is called _____.
(A) Virion (B) Capsid
(C) Peplomers (D) Capsomers
10. Which of the following statements is incorrect about the Lysosome?
(A) It is a membrane-bound organelle found in plant as well as animal cells.
(B) It is also called the suicidal bag of the cell
(C) It helps in the synthesis of protein.
(D) It acts as a dispatch station of protein products received from the endoplasmic reticulum (ER).

1-{C} - 2-{B} - 3-{B} - 4-{D} - 5-{A} - 6-{B} - 7-{C} - 8-{C} - 9-{B} - 10-{D}



DAILY ENGLISH VOCAB



Saturday, 26 October 2024

(VOCABULARY)

1. Persecution

Definition: Hostility and ill-treatment.

Synonyms: Oppression, victimization, maltreatment.

Antonyms: Happiness, joy, help.

Usage: Her family fled religious persecution.

2. Infighting

Definition: Hidden conflict or competitiveness within an organization.

Synonyms: Clash, collision, competition, contention.

Antonyms: Accord, agreement, concord.

Usage: Infighting between departments grew worse.

3. Dilemma

Definition: A difficult situation or problem.

Synonyms: Quandary, predicament, difficulty.

Antonyms: Solution, advantage, benefit.

Usage: The insoluble dilemma of adolescence.

4. Lofty

Definition: Of imposing height.

Synonyms: Tall, high, giant, towering.

Antonyms: Low, short.

Usage: The elegant square was shaded by lofty palms..

(WORD SUBSTITUTION)

5. One who flies an aero plane- **Pilot**

6. The house of a hare- **Form**

(MISSPELT WORDS)

Find the correctly spelt word.

7. (A) Incinarater (B) Incineretor
(C) Incinerater (D) **Incinerator**

8. (A) Hogsshead (B) Hogshade
(C) Hogshead (D) **Hogshead**

(IDIOMS AND PHRASES)

9. Think the world of

Meaning: Admire someone very much

Example: Emily is a wonderful teacher – children think the world of her

10. Take the plunge

Meaning: Venture into something of one's interest despite the risks involved

Example: Jack finally took the plunge and opened a restaurant.



DAILY STATIC GK QUIZ



Saturday, 26 October 2024

CELL

- What is the powerhouse of the cell? **Mitochondria**
- Which cell organelle is responsible for photosynthesis in plants? **Chloroplast**
- What is the basic structural and functional unit of life? **Cell**
- Which cell organelle is known as the 'control center' of the cell? **Nucleus**
- What structure controls the movement of substances in and out of the cell? **Cell membrane**
- Which organelle is involved in protein synthesis? **Ribosome**
- What is the jelly-like substance inside the cell that holds organelles in place? **Cytoplasm**
- What is the term for a cell without a nucleus? **Prokaryotic cell**
- Which organelle contains digestive enzymes to break down waste? **Lysosome**
- Where is genetic material stored in a cell? **Nucleus**





Rajnish Bhatnagar

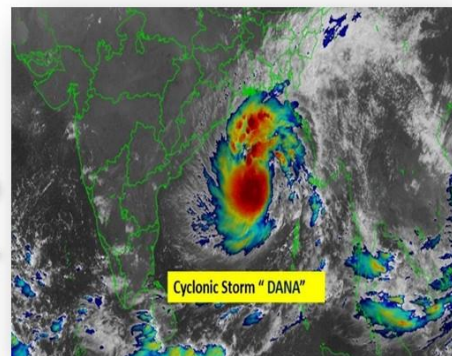
TOPIC OF THE DAY

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Saturday, 26 October 2024

Cyclone Dana

According to IMD, **Cyclone Dana** to Make Landfall as Severe Cyclone Near Odisha's Bhitarkanika and Dhamra.



Expository: -

➤ **Cyclone Frequency in 2024:**

Cyclone Dana is the third cyclone in the North Indian Ocean region this year and the second to make landfall along the Indian coast, following Cyclone Remal.

➤ **Cyclone Season:**

It is the first cyclone in the post-monsoon season of 2024.

➤ **Naming:**

Cyclone Dana was named by Qatar. In Arabic, "Dana" signifies generosity and also refers to a valuable, perfectly sized, and beautiful pearl.

➤ **Naming of cyclones:** The World Meteorological Organization (WMO) initiated cyclone naming in the North Indian Ocean region in 2000.

➤ **Collaborative Naming Lists:** The Tropical Cyclone Regional Body (TCRB) for the North Indian Ocean.

➤ The TCRB for the North Indian Ocean includes 13 countries: Bangladesh, India, Maldives, Myanmar, Pakistan, Sri Lanka, Oman, Thailand, Iran, Qatar, Saudi Arabia, United Arab Emirates, and Yemen.

Formation of tropical cyclones -

➤ **Warm Ocean Waters:** Sea surface temperatures of at least 27°C are needed to fuel cyclone development through heat and moisture.

➤ **Coriolis Force:** Earth's rotation creates the Coriolis effect, necessary for cyclone spin; it is weak near the equator, so cyclones typically form at least 5° north or south of it.

➤ **Low Wind Shear:** Low vertical wind shear is essential, as high wind shear can disrupt the storm's vertical structure and limit its growth.

➤ **Pre-existing Disturbance:** A tropical disturbance, such as a low-pressure system, provides the initial air circulation required for cyclone formation.

➤ **Convergence of Air:** The convergence of warm, moist air at the surface rises, cools, and forms clouds and thunderstorms, developing the cyclone's core.

