

DAILY GENERAL AWARENESS QUIZ



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Rajnish Bhatnagar

Thursday, 24 October 2024

1. Election Commission Appoints Ajay Kumar Singh as New DGP of Jharkhand. In context to the same tell us, who was the first woman DGP of a State in India?

- (A) Sanjukta Parashar (B) Merin Joseph
(C) Kiran Bedi (D) K C Bhattacharya

2. ESA's Moonlight Aims to Establish Lunar Communication and Navigation. In context to the same tell us, which International Agency built and launched The Space laboratory?

- (A) European space agency
(B) China space administration
(C) Russian Federal space agency
(D) National Aeronautics and Space Administration

3. Haryana Becomes First State to Implement Dalit Sub-Quotas. In context to the same tell us, When was the National Commission for Backward Classes (NCBC) established?

- (A) 15th August 1993 (B) 14th August 1993
(C) 12th August 1993 (D) 16th August 1993

4. PM Modi Inaugurates New Airports Under UDAN Scheme. In context to the same tell us, when was the UDAN scheme launched?

- (A) 21- October- 2017 (B) 21- October- 2018
(C) 21- October- 2016 (D) 21- October- 2014

5. Indonesia's New President Subianto Announces Largest-Ever Cabinet. In context to the same tell us, Indonesia does not share its land boundary with which one of the following countries?

- (A) Brunei (B) Timor-Leste
(C) Malaysia (D) Papua New Guinea

6. Bhutanese PM Tshering Tobgay's recent visit to India highlighted the strong diplomatic relations and cooperation between Bhutan and India.

Consider the following statements regarding Bhutan -

- (1) Bhutan is the world's first carbon free country.
(2) Treaty of Friendship and Cooperation was signed between Nepal and Bhutan in 1949.
(3) On Bhutan's 114th National Day, the Prime Minister of India received the Order of the Druk Gyalpo.

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

7. Recently, India ranks 105th out of 127 countries in the Global Hunger Index (GHI) 2024.

Consider the following statements -

- (1) The GHI score is calculated on a 100-point scale reflecting the severity of hunger.
(2) In this index 0 is the best score (implies no hunger) and 100 is the worst.
(3) The GHI is a tool designed to comprehensively measure and track poverty at global.

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

8. Recently, a new study revealed a connection between the Tonga volcano eruption and the formation of Equatorial Plasma Bubbles (EPBs) over the Indian subcontinent.

Consider the following statements regarding Tonga Volcano -

- (1) It is located in the western South Pacific Ocean.
(2) It is one of 12 confirmed submarine volcanoes along the Tofua Arc.
(3) It is apart from the Ring of Fire.

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



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DAILY QUANT QUIZ



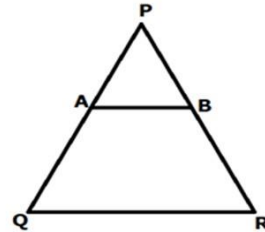
Rajnish Bhatnagar

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1. 320 ml mixture 'M' (milk + water) contains milk and water in the ratio of 5:3 respectively. QR.

If 'x' ml of milk and '2x' ml of water is added in this mixture, then the ratio of milk to water in the resultant mixture becomes 6:5. Find the value of x.

- (A) 60 (B) 45
(C) 30 (D) 40



- (A) 76 cm (B) 63 cm
(C) 78 cm (D) 71 cm

2. If $x = 11 + 8\sqrt{7}$, then find the value of $\{(\sqrt{x}) + (1/\sqrt{x})\}$.

- (A) $(4 + 4\sqrt{7})/3$ (B) $(4 + 4\sqrt{7})$
(C) $(4 - 4\sqrt{7})/3$ (D) $(4 + 4\sqrt{7})/3$

3. A man takes $34\frac{5}{7}$ hours to cover 1215 km. If he increased his speed by 20%, then how much time will he save?

- (A) $28\frac{11}{14}$ hours (B) $28\frac{13}{14}$ hours
(C) $5\frac{5}{7}$ hours (D) $5\frac{11}{14}$ hours

4. The population of bacteria increases by 20% each hour. If at 2:00 a.m. the population of bacteria stands at 2,00,000, then what would be their population at 6:00 a.m.

- (A) 414720 (B) 345600
(C) 288000 (D) 424360

5. If $\sqrt{x} - (4/\sqrt{x}) = 2$, then find the value of $(x^2 - 24\sqrt{x})$

- (A) 48 (B) 24
(C) 32 (D) 30

6. In the figure given below, $\Delta PAB \sim \Delta PQR$. PA = 12 cm, QA = 20 cm, PB = 15 cm, PQ = 32 cm and AB = 9 cm. Find the perimeter of the

7. Prakash and Mukesh can complete a work in 25 days and 30 days respectively. If Prakash works at $(2/3)^{rd}$ of his efficiency and Mukesh works at $(2/5)^{th}$ of his efficiency, then find the time taken by them to complete $(3/5)^{th}$ of the work together.

- (A) 15 days (B) 20 days
(C) 18 days (D) 24 days

8. Find the value of the given expression.

$\sqrt{\cot^2 30^\circ + \cos 0^\circ} + 2 \tan 45^\circ - \operatorname{cosec} 30^\circ$
(A) 2 (B) -2
(C) 4 (D) Both 2 and -2

9. If $(x + y + z) = 9$, $(x^3 + y^3 + z^3) = 99$ and $xyz = 24$, then what is the value of $(xy + yz + zx)$?

- (A) 12 (B) 22
(C) 32 (D) 26

10. After every 4 minutes, 10 cm² of a wet cloth dries. If the area of a completely wet cloth is 1,600 cm², then find the time after which only 20% area of the cloth remain wet.

- (A) 472 minutes (B) 484 minutes
(C) 536 minutes (D) 512 minutes

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



DAILY REASONING QUIZ



Thursday, 24 October 2024

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

49: 30 :: 63 : ? :: 72: 8

- (A) 48 (B) 30
(C) 20 (D) 44

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., 25 - Operations on 25 such as adding/ subtracting/ multiplying etc. to 25 can be performed. Breaking down 25 into 2 and 5, and then performing mathematical operations on 2 and 5 is not allowed)

- (16, 74, 45) (B) (12, 200, 94)
(25, 131, 78) (D) (68, 84, 77)
(A) (31, 35, 32)
(C) (29, 43, 36)

3. By interchanging the given two signs and numbers which of the following equation will be not correct?

+ and -, 8 and 2
I. $528 \div 8 + 15 - 16 \times 2 = 141$
II. $8 \times 88 - 15 \times 2 + 126 = 170$

- (A) Both I and II (B) Only II
(C) Neither I nor II (D) Only I

4. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

HYR, ECM, BGH, _____, VOX

- (A) YCK (B) YKC
(C) CKL (D) YLC

5. If A # B means A + B, A \$ B means A - B, A % B means A × B and A & B means A ÷ B, then what is the value of '67 # 53 \$ 78 # 12 % 2 \$ 30 & 15'?

- (A) 62 (B) 67
(C) 64 (D) 52

6. Four letter-clusters have been given out of which three are alike in a certain manner and one is different. Select the letter-cluster that is different.

- (A) EQJE (B) LTGL
(C) ARHA (D) DOLD

7. 'A # B' means 'A is the mother of B'.

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

'A & B' means 'A is the paternal grandfather of B'.

'A % B' means 'A is the daughter-in-law of B'.

If 'F # G % M # P @ K & W @ P', then how is G related to W, if K has only one son?

- (A) Mother (B) Aunt
(C) Sister-in-law (D) Cannot be determined

8. Three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements: All Settle are Shift.

Some Shift are Side.

No Shift are Change.

Conclusions: I. Some Side are not Change.

II. Some Settle are Side.

III. Some Side are Change.

- (A) Only conclusion III follows
(B) Only conclusion I follows
(C) All of the conclusions follow
(D) Only conclusion II follows

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



DAILY GENERAL STUDIES QUIZ



Thursday, 24 October 2024

CHEMISTRY

1. Who proposed the Modern Periodic Table?

- (A) Faraday
(B) Henry Moseley
(C) Newton
(D) Bohr

2. Total number of Inner Transition Elements are—

- (A) 16
(B) 28
(C) 32
(D) 33

3. In the periodic table, the element with atomic number 38 belongs to:

- (A) Period IV and group II
(B) Period IV and group IV
(C) Period III and group IV
(D) Period V and group II

4. Turmeric, litmus paper etc. are what type of indicators?

- (A) Synthetic
(B) Natural
(C) Natural and synthetic
(D) Other

5. Which element is commonly used in the nucleus to produce electricity by nuclear fission?

- (A) Radium
(B) Plutonium
(C) Uranium
(D) Deuterium

6. Which acid is also known as "oil of vitriol"?

- (A) Sulphuric acid
(B) Nitric Acid
(C) Carbonic Acid
(D) Boric Acid

7. What is known as Artificial Silk.

- (A) Rayon
(B) Nylon
(C) PVC
(D) None of these

8. Which is the Important ore of aluminum?

- (A) Bauxite
(B) cryolite
(C) Fluorspar
(D) haematite

9. Itai-itai disease is caused by the toxicity of which of following elements?

- (A) Cadmium
(B) Chromium
(C) Cobalt
(D) Copper

10. Which fungus is used in the wine industry.

- (A) Mushroom
(B) Candida Aibicans
(C) Yeast
(D) Rhizopus

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



DAILY ENGLISH VOcab



Thursday, 24 October 2024

(VOCABULARY)

jewel-like flowers”

1. Apportion —

Definition: divide up and share out.

Synonyms: share out, divide out, allocate, distribute

Antonyms: misallocate, amass, combine, concentrate

Usage: “voting power will be apportioned according to contribution

2. Arsenal —

Definition: an array of resources available for a certain purpose.

Synonyms: array, battery, range, line-up, assortment

Antonyms: dearth, lack, need

Usage: “we have an arsenal of computers at our disposal”

3. Oblique —

Definition: not expressed or done in a direct way.

Synonyms: indirect, inexplicit, roundabout, circuitous

Antonyms: direct, explicit

Usage: “he issued an oblique attack on the President”

4. Beset —

Definition: be covered or studded with.

Synonyms: surround, besiege, hem in, shut in

Antonyms: free

Usage: “springy grass all beset with tiny

(WORD SUBSTITUTION)

5. A solution or remedy for all difficulties or diseases - **Panacea**

6. Death due to deprived of air- **Asphyxia**

(MISPELT WORDS)

Find the correctly spelt word.

7. (A) **Numismatics** (B) Numismetics
(C) Numesmatic (D) Numismatecs

8. (A) Immoveble
(B) Immovabel
(C) Immovible
(D) **Immovable**

(IDIOMS AND PHRASES)

9. Let sleeping dogs lie

Meaning: Leave something alone if it might cause trouble.

Example: I thought I would ask him if he wanted me to pay him back right away, but then I decided to let the sleeping dogs lie.

10. Shot in the dark

Meaning: A complete guess (may or may not be close to the truth)

Example: He didn't know too much about programming, so answering the interviewer's question was merely a shot in the dark.



DAILY STATIC GK QUIZ



Thursday, 24 October 2024

Tughlaq dynasty

- Who was the founder of the Tughlaq dynasty? **Ghiyasuddin Tughlaq**
- What was the real name of Ghiyasuddin Tughlaq? **Ghazi Malik**
- Which ruler of the Tughlaq dynasty shifted the capital from Delhi to Daulatabad? **Muhammad bin Tughlaq**
- What was the most controversial decision during the reign of Muhammad bin Tughlaq? **The transfer of the capital**
- Which ruler of the Tughlaq dynasty constructed the most canals for irrigation? **Firoz Shah Tughlaq**
- Who was the last ruler of the Tughlaq dynasty? **Mahmud Tughlaq**
- Which Tughlaq ruler started the token currency? **Muhammad bin Tughlaq**
- Which Tughlaq ruler was known for his administrative reforms? **Firoz Shah Tughlaq**
- Who wrote the book 'Tarikh-e-Firoz Shahi' about the Tughlaq dynasty? **Ziauddin Barani**





Thursday, 24 October 2024

Graded Response Action Plan

Why in News?

As Delhi's air quality deteriorated to 'very poor' category, the **Commission for Air Quality Management (CAQM)** ordered the **implementation of Stage-2 emergency** measures under the Graded Response Action Plan (GRAP) to curb the city's air pollution.

Expository: -

Introduction - The Graded Response Action Plan (GRAP) is a framework designed to combat air pollution in Delhi-NCR, notified by the Ministry of Environment, Forests & Climate Change (MoEF&CC) in 2017.

Approval - GRAP received approval from the Supreme Court of India following the M.C. Mehta v. Union of India case in 2016.

Categories Under GRAP - GRAP classifies air pollution into four categories: Moderate to Poor, Very Poor, Severe and Severe+.

CAQM's Role Since 2021 - Since 2021, the Commission for Air Quality Management (CAQM) has been responsible for implementing GRAP.

GRAP - Stage 1 -

- The first category is Moderate to Poor ambient particulate matter (PM) concentration.
- Ambient Particulate Matter Concentration - PM 2.5 - 61-120 $\mu\text{g}/\text{m}^3$, PM 10 - 101-350 $\mu\text{g}/\text{m}^3$.

GRAP - Stage 2 -

- The second category is very Poor ambient particulate matter (PM) concentration. (Delhi has recently enacted this)
- Ambient Particulate Matter Concentration - PM 2.5 - 121-250 $\mu\text{g}/\text{m}^3$, PM 10 - 351-430 $\mu\text{g}/\text{m}^3$.

GRAP - Stage 3 -

- The third category is very severe ambient particulate matter (PM) concentration.
- Ambient Particulate Matter Concentration - PM 2.5 - 250+ $\mu\text{g}/\text{m}^3$, PM 10 - 430+ $\mu\text{g}/\text{m}^3$.

Graded Response Action Plan



GRAP - Stage 4 -

- The fourth category is emergency or severe+ ambient particulate matter (PM) concentration.
- Ambient Particulate Matter Concentration - PM 2.5 - 300+ $\mu\text{g}/\text{m}^3$, PM 10 - 500+ $\mu\text{g}/\text{m}^3$.

Environment Pollution (Prevention & Control) Authority (EPCA) -

- Formed under the Environment (Protection) Act, 1986 for the National Capital Region.
- Created based on the **Supreme Court order of 1998**.
- Dissolved in October 2020, replaced by the Commission for Air Quality Management (CAQM).

Commission for Air Quality Management (CAQM) -

- Replaced EPCA for monitoring air quality in Delhi-NCR.
- **Chairperson:** Former Secretary to the Government of India or Chief Secretary to a State government; term of 3 years or up to 70 years of age.

