

## AFCAT 1 2024 Questions & Answer keys

### 16 February 2024 - Shift 1

1	<p>synonym of omnipresent</p> <p>Ans- ubiquitous, universal, worldwide, global, all-pervasive, infinite, boundless, rife, prevalent, predominant</p>
2	<p>What was the official mascot of Khelo India – Para Games 2023?</p> <p>Answer: Ujjwala</p> <p>The little sparrow is a symbol of the pride of Delhi and its uniqueness portrays determination and empathy</p>
3	<p>How many gold medals Indian Won In Asian games 2022?</p> <p>Ans- The Indian contingent at the 19th Asian Games in Hangzhou won 28 gold, 38 silver, and 41 bronze medals to finish its campaign. This is the nation's biggest-ever haul in a single edition of the quadrennial showpiece.</p>
4	<p>Anti defection is in which Schedule to the Indian Constitution?</p> <p>Ans- The 10th Schedule of the Indian Constitution</p> <p>It is popularly referred to as the 'Anti-Defection Law' was inserted by the 52nd Amendment (1985) to the Constitution. 'Defection' has been defined as, "To abandon a position or association, often to join an opposing group".</p>
5	<p>Who was the founder of brahmho samaj?</p> <p>Ans- Raja Ram Mohan Roy</p>
6	<p>Where is the longest railway platform in India?</p> <p>Ans- Hubballi</p> <p>Indian Railways' South Western Railway(SWR) zone's Hubballi got its name registered in the Guinness Book of World Records for having the longest railway platform in the World at Shree Siddharoodha Swamiji station.</p>
7	<p>The universal gravitational constant is given by?</p> <p>Ans- <math>G = 6.673 \times 10^{-11} \text{ N m}^2/\text{kg}^2</math>.</p> <p>The Gravitational constant has been measured in three ways: The measurement with a laboratory balance of the attraction of Earth upon a test mass. The comparison of the pull of a large natural mass with that of Earth.</p>
8	<p>Environment Day is celebrated on which day?</p> <p>Ans- 5th June</p> <p>Led by the United Nations Environment Programme (UNEP) and held annually on 5 June since 1973, World Environment Day is the largest global</p>

	platform for environmental public outreach and is celebrated by millions of people across the world.
9	<p><b>Who had given the Slogan Back to Vedas?</b>  <b>Ans. Dayanand Saraswati</b>  He gave the slogan 'Back to Vedas', which influenced many thinkers and philosophers all over the world. In 1875, Swami Dayanand Saraswati founded the Arya Samaj. He advocated for social change. Because of that, he gave the slogan, "Go back to the Vedas." He accorded all peoples and religions the same rights and respect. He supported the Sanskrit heritage.</p>
10	<p><b>What is Operation Zindagi?</b>  <b>Ans-</b> Operation Zindagi is a massive rescue operation launched by the state government to save 41 workers trapped for 17 days now in the Silkyara Bend - Barkot tunnel collapse in Uttarakhand, India. The operation has deployed two tunnel-boring machines.</p>
11	<p><b>What is the measuring unit of celestial bodies?</b>  <b>OperaRadar</b> - measuring distances in our solar system.  <b>Parallax</b> - measuring distances to nearby stars.  <b>Cepheids</b> - measuring distances in our Galaxy and to nearby galaxies.  <b>Supernovae</b> - measuring distances to other galaxies.  <b>Redshift and Hubble's Law</b> - measuring distances to objects far, far away</p>
12	<p><b>What is the measuring unit of distance between celestial bodies?</b>  <b>Astronomical unit and light year</b> are the units used to measure the distance between celestial objects.</p>
13	<p><b>Headquarter of ISRO</b>  <b>Ans. Bengaluru</b></p>
14	<p><b>NAG is what kind of missile?</b>  <b>Ans-</b> Anti Tank Guided Missile developed by DRDO</p>
15	<p><b>x ray was invented by whom?</b>  <b>Ans- Wilhelm Conrad Roentgen</b>  X-rays were discovered in 1895 by Wilhelm Conrad Roentgen (1845-1923) who was a Professor at Wuerzburg University in Germany. Working with a cathode-ray tube in his laboratory, Roentgen observed a fluorescent glow of crystals on a table near his tube.</p>
16	<p><b>DRDO is currently in the final stages of the development of which helicopter?</b>  <b>Ans. Nag ATGM, called the Helina</b></p>

17	<p><b>c 295 is which type of aircraft?</b>  <b>Ans- Transport</b>                      The Indian Air Force (IAF) on Wednesday received its first C-295 transport plane during a ceremony in Spain's Seville. The aircraft is capable of performing special missions as well as disaster response and maritime patrol duties.</p>
18	<p><b>Who is the Chairman of DRDO?</b>  <b>Ans- Dr. Samir V Kamath</b></p>
19	<p><b>Kanha National Park is in?</b>  <b>Ans. Madhya Pradesh</b></p>
20	<p><b>Who wrote 'Discovery of India'?</b>  <b>Ans. Jawaharlal Nehru</b>                      The Discovery of India was written by the Indian Independence leader, Jawaharlal Nehru (later India's first Prime Minister) during his incarceration in 1942–1945 at Ahmednagar Fort in present-day Indian state of Maharashtra by British colonial authorities before the independence of India.</p>
21	<p><b>Which is the 5 Scorpene submarine in India?</b>  <b>Ans- The Indian Navy today commissioned INS Vagir, its fifth Scorpene type submarine (Kalvari-class). Vagir follows INS Vela, INS Kalvari and INS Khanderi.</b></p>
22	<p><b>What is the meeting point of alaknanda and bhagirathi sangam known as?</b>  <b>Ans- Devprayag</b></p>
23	<p><b>Chandrayaan-3 landing site called?</b>  <b>Ans- Shiv Shakti</b>                      The point where Chandrayaan-2 crash-landed on the lunar surface in 2019 will be named 'Tiranga'.</p>
24	<p><b>Idiom – Under the weather</b>  <b>Ans- slightly unwell or in low spirits.</b></p>
25	<p><b>Pallid</b>  <b>Synonym – Pale, Dull, Uninteresting</b>  <b>Antonym – Flushed, Healthy, Lively, Interesting</b></p>
26	<p><b>Where was the exercise VAJRA PRAHAR 2023 conducted?</b>  <b>Ans. Umroi</b>                      The current edition is being conducted in Umroi Cantonment, Meghalaya from 21st November to 11th December 2023. It is also a platform to</p>

	enhance inter-operability and strengthen defence cooperation between the armies of India and the United States of America.
27	<p><b>What is the theme of G Summit 2023?</b>  <b>Ans. One Earth, One Family, One Future, "Vasudhaiva Kutumbakam"</b></p>
28	<p><b>Who is the 1st female to be appointed chairman of railway board?</b>  <b>Ans. Jaya Varma Sinha</b>  <b>Jaya Varma Sinha's appointment as the Railway Board's first woman Chairperson and CEO comes at a pivotal juncture in the rail transporter's 170-year history.</b></p>
29	<p><b>What was the 1st commissioned aircraft of the IAF?</b>  <b>Ans. Westland Wapiti</b>  <b>On 1 April 1933, the IAF commissioned its first squadron, No.1 Squadron, with four Westland Wapiti biplanes and five Indian pilots. The Indian pilots were led by British RAF Commanding officer Flight Lieutenant (later Air Vice Marshal) Cecil Bouchier.</b></p>
30	<p><b>Battle of Panipat was fought in?</b>  <b>Ans- Battles of Panipat (1526, 1556, 1761), three military engagements, important in the history of northern India, fought at Panipat, a level plain suitable for cavalry movements, about 50 miles (80 km) north of Delhi.</b></p>
31	<p><b>What is the capital of Colombia?</b>  <b>Ans. Bogotá</b>  <b>Bogotá is the capital of and largest city in Colombia. It is a place of convergence for people from all around the country and is therefore diverse and multicultural.</b></p>
32	<p><b>Which countries hold the Strait of Malacca?</b>  <b>Ans- Malacca Strait is a narrow stretch of water, 500 mi long and from 40 to 155 mi wide, located between the Indonesian island of Sumatra to the southwest and the Malay Peninsula to the northeast, connecting the Andaman Sea with the Singapore Strait and the South China Sea.</b></p>
33	<p><b>One word substitution: Something that can't be corrected</b>  <b>Ans- Incurable</b></p>
34	<p><b>What is isoseismal in earthquake?</b>  <b>Ans. An isoseismal (line) is a contour or line on a map connecting points of equal intensity relating to a specific earthquake and confining the area within which the intensity is the same.</b></p>
35	<p><b>What are pairs of chromosomes called?</b>  <b>Ans. homologous chromosomes</b></p>

	<p>The 46 chromosomes in a human cell can be organized into 23 pairs. These paired chromosomes are called homologous chromosomes. Homologous chromosomes are the same size and shape. Homologous chromosomes contain the same genes.</p>
36	<p><b>Which Indian won Ramon Magsaysay Award 2023?</b> <b>Ans-</b> Surgical oncologist Padma Shri Dr R. Ravi Kannan, Director of the Cachar Cancer Hospital and Research Centre (CCHRC) in Assam, received the prestigious Ramon Magsaysay Award for 2023.</p>
37	<p><b>ISRO Was Founded On?</b> <b>Ans-</b> 15 August 1969</p>
38	<p><b>Which country has been added in G20 2023?</b> <b>Ans.</b> the African Union In September 2023, at the 18th G20 Summit, Indian PM Narendra Modi announced that the African Union has been included as a member of the G20, making it the 21st member.</p>
39	<p><b>What extinguishes fire most quickly?</b> (a) Cold water (b) Boiling water (c) Hot water (d) Ice <b>Ans-</b> Boiling water</p>
40	<p><b>Which is the 1st greenfield airport in India?</b> <b>Ans.</b> Donyi Polo Airport In a key step to boost connectivity in the Northeast, the Prime Minister inaugurated the first greenfield airport in Arunachal Pradesh - 'Donyi Polo Airport, Itanagar'.</p>