

V.KUMAR'S ACADEMY

13072026

GENERAL ABILITY AND INTELLIGENCE

TEST No.16 for CAPF (AC)

Time: Two Hours

Marks: 250



Name Of Candidate:.....

Invigilator's Signature:.....

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Test No.16

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These questions are based on this Revision Timetable which is conducted by V.KUMAR Sir and his team. Every year thousands of candidates follow our revision timetable – which is made for SERIOUS aspirants who would like to intensively revise everything that's important before the exam.

Those who would like to take up more tests for even better preparation, can enroll to **V.KUMAR'S CAPF Mock Test Series – 2026**. Every year toppers solve our tests and sail through UPSC CAPF (AC) exam. Wish you all the best!

V.KUMAR
(JRF)
(Exam Comptroller)



Q.1 Ru-Soam bridges in Sikkim are often referred to as “mechanical marvels.” Which of the following engineering principles primarily contributes to their resilience against seismic waves?

- (a) The use of high-density concrete struts to absorb vertical vibrations.
- (b) The rigid anchoring of the bridge deck to the Mau Escarpment.
- (c) The lightweight nature and longitudinal flexibility of cane and bamboo.
- (d) The total absence of horizontal braces to allow for free swinging.

Q.2 Consider the following statements regarding the reign and contributions of Lokmata Devi Ahilyabai Holkar:

1. She shifted the capital of her kingdom to Maheshwar on the banks of the Narmada river.
2. Her father, Mankoji Rao Shinde, was the ruler of the Malwa kingdom who trained her in administration.
3. She personally led military campaigns and was instrumental in founding the Holkar army.

How many of the above statements is/are incorrect?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) None

Q.3 The term ‘vog’, often associated with eruptions of the Kilauea volcano, refers to:

- (a) A type of fast-moving lava flow characteristic of shield volcanoes.
- (b) The ash cloud that rises thousands of feet into the atmosphere during explosive eruptions.
- (c) Volcanic smog created by the emission of sulphur dioxide, which reacts with oxygen, moisture, and sunlight.
- (d) A phenomenon where the ground surface deforms due to the movement of magma beneath.

Q.4 What is the significance of the Greater Caucasus Range in Georgia?

- (a) It serves as a boundary between Europe and Asia.
- (b) It houses the only desert in Georgia.
- (c) It forms a natural border with Turkey.
- (d) It separates Georgia from the Black Sea.

Q.5 The least number which is a perfect square and is divisible by each of the numbers 16, 20 and 24 is?

- (a) 1500
- (b) 13824
- (c) 2500
- (d) 3600

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Q.6 Consider the following statements regarding the National Florence Nightingale Awards:

1. The awards were instituted by the Ministry of Health and Family Welfare.
2. The award is exclusively for nurses serving in central government hospitals.
3. The award consists of a cash prize, a medal, and a certificate of merit.

Which of the statements given above is/are correct?

- (a) 3 only (b) 2 only
(c) 1, 2 and 3 (d) 1 and 3 only

Q.7 Consider the following statements about the characteristics of Mathura School of Art:

1. It exclusively used imported white marble for its sculptures.
2. The primary patrons of this school were the Kushana rulers, with no evidence of patronage from other religious communities.
3. The depiction of Buddha in Mathura art was heavily influenced by Greco-Roman styles, showing him with a muscular physique and toga-like robes.

How many of the above statements is/are correct?

- (a) Only one (b) Only two
(c) All three (d) None

Q. 8 Match List-I (Ancient Text) with List-II (Primary Theme/Content) and select the correct answer using the code given below the lists:

List-I (Ancient Text) **List-II (Primary Theme/Content)**

- | | |
|--------------------|---|
| A. Arthashastra | 1. Tamil Grammar and Poetics |
| B. Charaka Samhita | 2. Principles of Statecraft and Economy |
| C. Natyashastra | 3. Compendium on Indian Medicine |
| D. Tolkappiyam | 4. Treatise on Dramaturgy and Arts |

Select the correct answer Code:

- (a) A-2, B-4, C-3, D-1
(b) A-3, B-2, C-1, D-4
(c) A-2, B-3, C-4, D-1
(d) A-4, B-1, C-2, D-3

Q. 9 Which of the following best explains why angstrom-scale chips, recently in news could revolutionize post-silicon computing?

- (a) They eliminate the need for power-hungry data centers.
(b) They can function entirely without Transistors.
(c) They enable memory storage in biological tissues.
(d) They allow atomic-scale tailoring of electronic properties.

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Q.10 The Factory Act 1891 provided for:

- 1.No factory could employ more than 100bourers per day.
- 2.No children below 9 years could be employed in factories.
- 3.No woman should do nightshift in factories.
- 4.A break of 30 minutes as well as a day off per week, for both men and women workers.

How many of the options given above are correct?

- (a) Only one (b) Only two
(c) Only three (d) All four

Q.11 Regarding the book Hind Swaraj, which of the following is correct?

- (a) Bal Gangadhar Tilak wrote the book to promote the Swadeshi Movement in areas outside Bengal particularly Northern India.
- (b) It was written by Mahatma Gandhi while travelling from London to South Africa
- (c) It was written by Vinayak Damodar Savarkar to promote his concept of 'Hindutva'
- (d) It was written by Madan Lal Dhingra to promote the Gadar Movement

Q.12 Consider the following personalities:

- 1.Khudiram Bose
- 2.Debendranath Tagore
- 3.Ananda Mohan Bose
- 4.Shibnath Shastri

How many of the above persons were associated with the Brahmo Samaj?

- (a) One only (b) Two only
(c) Three only (d) All four

Q13. Which of the following events occurred in the sequence given below?

- 1.Chauri Chaura incident
- 2.Bardoli Satyagraha
- 3.Chittagong Armoury Raid
- 4.Gandhi-Irwin Pact

Select the correct answer using the code given below:

- (a) 1-2-3-4 (b) 2-1-3-4
(c) 1-2-4-3 (d) 2-1-4-3

Q14. In the context of the revenue systems during British India, which of the following is correctly matched?

- (a) Permanent Settlement – North-Western Provinces
- (b) Ryotwari System – Madras Presidency
- (c) Mahalwari System – Bengal Presidency
- (d) Zamindari System – Bombay Presidency

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Q.15 Consider the following events related to the Indian National Congress:

- 1.The Surat Split
- 2.Formation of the Garam Dal and Naram Dal
- 3.Resolution on the demand for Swaraj
- 4.Boycott of the Simon Commission

Which of the events given above occurred in the correct chronological order?

- | | |
|-------------|-------------|
| (a) 1-2-3-4 | (b) 2-3-1-4 |
| (c) 2-1-3-4 | (d) 3-2-1-4 |

Q.16 With reference to the revolutionary activities during India's freedom struggle, which of the following is correctly matched?

- (a) Hindustan Socialist Republican Association – Batukeshwar Dutt
- (b) Anushilan Samiti – Barindra Kumar Ghose
- (c) Ghadar Party – Bhagat Singh
- (d) Mitramela – V.O. Chidambaram Pillai

Q.17 Consider the following pairs:

Commission/Committee : Subject

- 1.Hartog Committee – Education
- 2.Whitley Commission – Labor conditions
- 3.Hilton Young Commission – Banking and Currency

4.Muddiman Committee – Provincial Autonomy

How many of the pairs given above are correctly matched?

- | | |
|----------------|--------------|
| (a) Only one | (b) Only two |
| (c) Only three | (d) All four |

Q.18 Consider the following statements :

- 1.Saiva Siddhanta emphasizes that individual soul or Pashu originated from and is a part of the Shiva or the Lord.
- 2.The literary work 'Nandikesvara Kasika' by Nandinatha of Kashmir lays down the basic tenets of Saiva Siddhanta in India.

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 |

Q.19 Consider the following statements regarding Swami Haridas :

- 1.Mian Tansen was a disciple of renowned Saint Haridas, a proponent of Dhrupad style of classical music.
- 2.He founded the Haridasi Sampradaya that emphasized on the devotion to Lord Krishna and Radha.

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 |

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Q.20 Arun is standing in facing west. He turns 135° anticlockwise, 315° clockwise, 45° anticlockwise and 225° clockwise. Now, Arun is facing which direction?

- (a) East (b) West
(c) South East (d) South West

Q.21 Consider the following:

1. Emergence of self sufficient village Communities.
2. Discovery and use of fire.
3. Domestication of animals.

How many of the above developments were associated with the Mesolithic period?

- (a) Only one (b) Only two
(c) All three (d) None

Q.22 Who among the following rulers divided Bengal into three independent administrative units – Lakhnauti, Satgaon and Sonargaon ?

- (a) Lakshman Sena
(b) Sher Shah Suri
(c) Siraj-ud-dallah
(d) Ghiyasuddin Tughlaq

How many of the above are considered as *Triratnas* in Jainism ?

- (a) 2, 4 and 5 (b) 1, 2 and 3
(c) 1, 3 and 4 (d) 3, 4 and 5

Q.24 Consider the following statements :

1. Due to patriarchal nature, education and Upanayana were denied to women during the Rig Vedic period.
2. The earliest evidence of child marriage dates back to the Rig Vedic period.

Which of the statements given above is/are correct?

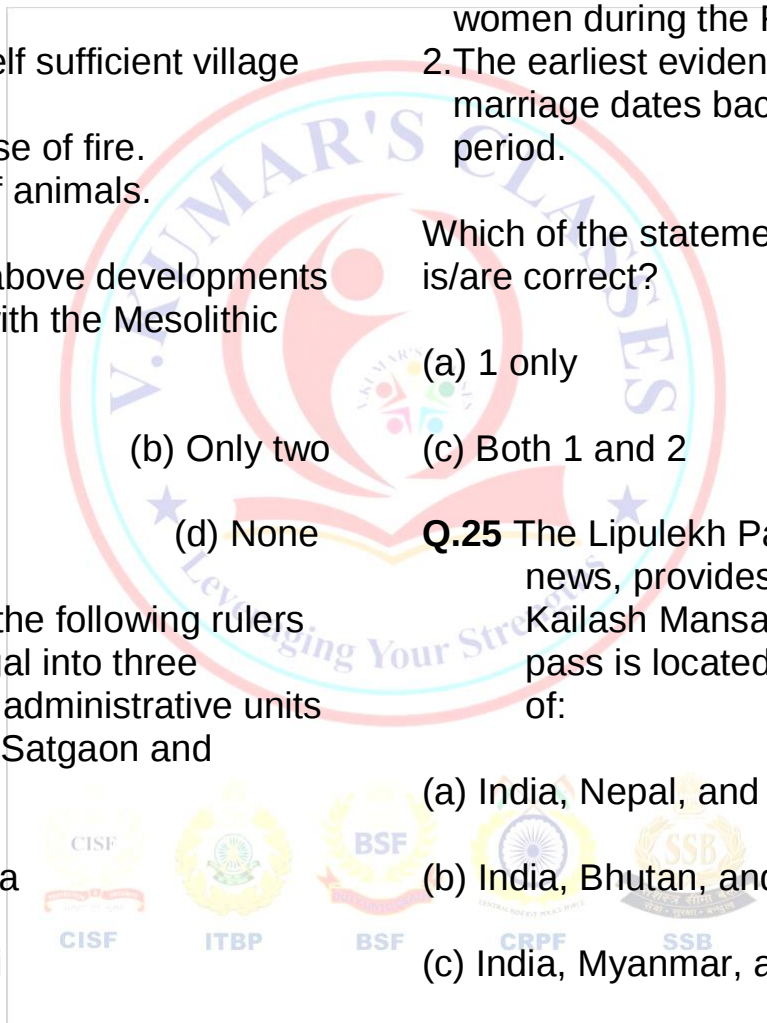
- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2

Q.25 The Lipulekh Pass, recently in the news, provides a gateway for the Kailash Mansarovar Yatra. This pass is located at the tri-junction of:

- (a) India, Nepal, and China
(b) India, Bhutan, and China
(c) India, Myanmar, and China
(d) India, Pakistan, and China

Q.23 Consider the following :

1. Right Speech
2. Right faith
3. Right Belief
4. Right Conduct
5. Right Knowledge



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Q.26 The Vadinar Ship Repair Facility, recently in the news, is being developed as a collaboration between:

- (a) Ministry of Ports, Shipping and Waterways and Mazagon Dock Shipbuilders Limited
- (b) Kandla Port Trust and Garden Reach Shipbuilders
- (c) Gujarat Maritime Board and Reliance Naval and Engineering
- (d) Deendayal Port Authority and Cochin Shipyard Limited

Q.27 Which of the following statements best describes the “self-emissive” property of OLEDs?

- (a) The display uses a layer of liquid crystals to polarize light from an external source.
- (b) Each pixel generates its own light when an electric current is applied to organic compounds.
- (c) The screen absorbs ambient light and reflects it back to the viewer to save energy.
- (d) A single large backlight provides illumination which is then filtered by color wheels.

Q.28 Consider the following early political associations in British India:

1. Bangabhasha Prakashika Sabha
2. Landholders' Society (Zamindari Association)
3. British Indian Association
4. Poona Sarvajanik Sabha

Arrange these associations in the correct chronological order of their foundation.

- (a) 1, 2, 3, 4
- (b) 2, 1, 4, 3
- (c) 1, 3, 2, 4
- (d) 2, 3, 1, 4

Q.29 Consider the following statements regarding Mahalwari system.

1. Warren Hastings was associated with the conception of this system.
2. Under the system, ryots paid a variable sum to the Zamindars who then paid to the British.
3. Village lands, forestland and pastures were included under the system.

How many of the above statements is/are correct?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) None

Q.30 In how many ways can the letters of the word SCHOOL be arranged such that the 2 O's never come together?

- (a) 240
- (b) 360
- (c) 420
- (d) 600

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Q.31 The aim of the Indian Association found by Surendranath Banerjee was to

- (a) Organize seditious movements to dethrone the British Empire
- (b) Advocate constitutional reforms through legislative action
- (c) Represent the views of the educated middle class and inspire the Indian community to take the value of united action
- (d) Give shape to and establish the Indian National Congress (INC)

Q.32 In the context of international relations and energy security, "Project Freedom" was strategically linked to which one of the following events?

- (a) The UAE's exit from the Organization of the Petroleum Exporting Countries (OPEC).
- (b) The signing of a new maritime boundary treaty between Iran and Iraq.
- (c) The establishment of a permanent U.S. naval base in the Strait of Hormuz.
- (d) A collective GCC agreement to sanction Iranian oil exports.

Statement – II :

Sodium encourages fluid retainment in the body that increases fluid volume of the blood resulting in raised blood pressure.

Which of the following is correct in respect of the above statements ?

- (a) Both Statement -I and Statement -II are correct and Statement -II explains Statement -I
- (b) Both Statement -I and Statement -II are correct but Statement -II does not explain Statement -I
- (c) Statement- I is correct but Statement -II is incorrect
- (d) Statement- I is incorrect but Statement -II is correct

Q.34 Consider the following rock types and their respective genetic origins:

1. **Basalt** : Plutonic Intrusive Igneous
2. **Quartzite** : Metamorphic Rock
3. **Rock Salt** : Chemically Precipitated Sedimentary
4. **Gneiss** : Foliated Metamorphic Rock

How many of the above pairs are correctly matched?

- (a) Only one pair
- (b) Only two pairs
- (c) Only three pairs
- (d) All four pairs

Q.33 Consider the following statements:

Statement – I :

Lower sodium salt substitutes decrease the risk of cardiovascular diseases.

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Q.35 Which of the following festivals is primarily a secular harvest festival, celebrating the commencement of the solar new year, and is marked by the performance of Bhangra and Giddha as central to its community expression?

- (a) Lohri (b) Baisakhi
(c) Ugadi (d) Onam

Q.36 After the death of Muhammad Ghuri, his Indian territories were consolidated into the Delhi Sultanate by:

- (a) Tajuddin Yildiz
(b) Nasiruddin Qabacha
(c) Qutbuddin Aibak
(d) Bakhtiyar Khalji

Q.37 Consider the following statements.

Statement-I: Article 14 of the Indian Constitution guarantees 'equality before the law' and 'equal protection of the laws' to all persons within the territory of India.

Statement-II: The concept of 'equality before the law' is of British origin and implies the absence of any special privileges in favour of any individual, while 'equal protection of the laws' is of American origin and implies equality of treatment in equal circumstances. Which one of the following is correct in respect of the above statements?

(a) Both Statement-I and Statement-II are correct and Statement-II is the correct explanation for Statement-I

(b) Both Statement-I and Statement-II are correct and Statement-II is not the correct explanation for Statement-I

(c) Statement-I is correct but Statement-II is incorrect

(d) Statement-I is incorrect but Statement-II is correct

Q.38 Match List-I (Type of Majority in Indian Parliament) with List-II (Example of Use) and select the correct answer using the code given below the lists:

List-I (Type of Majority)	List-II (Example of Use)
A. Simple Majority	1. Amendment of most provisions of the Constitution.
B. Absolute Majority	2. Removal of the Vice-President in Rajya Sabha.
C. Effective Majority	3. Passage of an ordinary bill.
D. Special Majority	4. Used in conjunction with other majorities, e.g., for government formation stability.

Select the correct answer Code:

- (a) A-3, B-4, C-2, D-1 (b) A-4, B-3, C-1, D-2
(c) A-3, B-1, C-4, D-2 (d) A-1, B-2, C-3, D-4

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Q.39 Pointing to a girl, Meera said, "Her father is the husband of my father's only daughter who doesn't have any brothers". How is Meera related to the girl's father's mother?

- (a) Mother (b) Daughter
(c) Aunt (d) Daughter in law

Q.40 Which decorative technique, involving the inlay of coloured stones (semi-precious and precious) into marble to create intricate patterns, became particularly prominent in Mughal architecture, exemplified by its extensive use in the Taj Mahal?

- (a) Arabesque (b) Jaali Work
(c) Pietra Dura (d) Stucco Incision

Q.41 It belongs to the family *Myrtaceae* and thrives in deep, humid tropical forests with well-drained loamy soils and heavy rainfall. Indigenous to the Maluku Islands but now extensively cultivated in the Western Ghats, especially in Wayanad and Idukki, this crop's unopened flower buds are harvested, sun-dried, and used in spice blends.

Which crop fits this description?

- (a) Nutmeg (b) Allspice
(c) Clove (d) Cinnamon

Q.42 In an exam Priya is 9th from top and 14th from bottom among girls. In entire class (boys+girls), she's 21st from top. The ratio of boys to girls is 3:2. How many boys are ranked below Priya?

- (a) 15 (b) 18 (c) 21 (d) 24

Q.43 Consider the following pairs regarding administrative/military systems in Medieval India:

1. Nayankara System : Hereditary land assignments to military commanders in Vijayanagara with obligations of tribute and troop maintenance.
2. Amuktamalyada : A treatise on statecraft authored by Krishnadevaraya, detailing the duties of a king and the administration of justice.
3. Ashtadiggajas : Eight prominent Telugu poets patronized by the Bahmani Sultan Muhammad Shah I.

How many of above pairs are correctly matched?

- (a) Only one pair (b) Only two pairs
(c) All three pairs (d) None of the pairs

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Q.44 In each of the following questions, a matrix of certain characters is given. These characters follow a certain trend, row wise or column wise. Find out this trend and choose the missing character accordingly.

3	15	4
7	38	5
3	?	5

- (a) 15 (b) 16 (c) 17 (d) 18

Q.45 Which of the following statements most accurately characterizes the nature of Rajput polity in the early medieval period (c. 750-1200 AD)?

- (a) It was a highly centralized imperial structure with a unified bureaucracy and a standing army directly controlled by the paramount ruler.
- (b) It was characterized by a segmentary state model, where power was distributed among clan lineages, and loyalty was primarily to the clan chief rather than an abstract state.
- (c) It primarily relied on a well-developed system of salaried officials for revenue collection and administration, minimizing the role of landed intermediaries.
- (d) It fostered extensive maritime trade networks and naval power, challenging the Cholas for dominance in the Indian Ocean.

Q.46 Consider the following pairs regarding the Maratha administration under Shivaji:

1. Peshwa : Prime Minister, responsible for general administration and finance.
2. Amatya : Foreign Minister, responsible for diplomatic relations with other states.
3. Sumant/Dabir : In charge of royal correspondence and household affairs.

How many of the above pairs are correctly matched?

- (a) Only one pair
- (b) Only two pairs
- (c) All three pairs
- (d) None of the pairs

Q.47 Who among the following rulers wrote a book on polity in which he advises the king that "with great care and according to your power you should attend to the work of protecting (the good) and punishing (the wicked) without neglecting anything that you see or hear" ?

- (a) Rajaraja I
- (b) Krishna Deva Raya
- (c) Narasimha Arman I
- (d) Pulakeshin II

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Q.48 If you travel by road from Gujarat to Arunachal Pradesh, what is the minimum number of Indian states you are likely to pass through (excluding Gujarat and Arunachal Pradesh)?

- (a) 5 (b) 6 (c) 7 (d) 8

Q.49 Which of the following rulers has been referred to as *Amitraghat* or 'killer of enemies' in the Sanskrit literary work *Mahabhasya* by Panini and *Amitrochates* in Greek accounts?

- (a) Ashoka (b) Chandragupta Maurya
(c) Bindusara (d) Ajatshatru

Q.50 With reference to history of India, Terapanthis and Bisapanthis are sects within :

- (a) Mahayana Buddhism (b) Ajivika
(c) Lokayata Sect (d) Jainism

Q.51 Consider the following Statements :

1.Both Idolatry and nature worship were practiced by the Harappan people.

2.The Harappans practiced burying pottery with dead bodies.

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

Q.52 With reference to the National Human Rights Commission (NHRC), consider the following statements:

- 1.The NHRC is a constitutional body established under Article 51A of the Indian Constitution.
- 2.It can only inquire into matters upon receiving a written petition and cannot act on its own motion.
- 3.NHRC recommendations are binding on the government.

Which of the statements given above is/are correct?

- (a) 1 and 2 only (b) 2 only
(c) 3 only (d) None

Q.53 Which climate phenomenon is characterized by warmer-than-normal sea surface temperatures in the western Indian Ocean near the African coast, which typically helps enhance monsoon rainfall over the Indian subcontinent?

- (a) El Niño (b) La Niña
(c) Positive Indian Ocean Dipole (IOD)
(d) Negative Indian Ocean Dipole (IOD)

Q.54 X, Y and Z jump forward 4 feet, 6 feet and 8 feet, respectively. At 8 AM, they all land on mark 210 feet. How many times will they all land on the same mark, not necessarily at the same moment, between mark 200 feet and 500 feet, if all of them cross mark 500 feet by 9 AM?

- (a) 12 (b) 13 (c) 14 (d) 15

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Q.55 The BrahMos missile system operates on a distinct operational philosophy that removes the need for active guidance updates after launch. What is this concept called?

- (a) Track-via-Missile
- (b) Command Line-of-Sight
- (c) Fire and Forget
- (d) Semi-Active Radar Homing

Q.56 If 5th February, 2016 was a Friday, then what will be the date on the last Friday of March 2016?

- (a) 23rd
- (b) 24th
- (c) 25th
- (d) 26th

Q.57 With reference to the concept of 'Effective Revenue Deficit' in India, consider the following statements:

1. It represents the difference between revenue deficit and grants for creation of capital assets.
2. A zero Effective Revenue Deficit implies that all revenue expenditure is met from revenue receipts.

Which of the above statements is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Q.58 Which Article of the Constitution provides for the appointment of High Court judges?

- (a) Article 124
- (b) Article 226

(c) Article 356

(d) Article 217

Q.59 Consider the following statements about the Cripps Proposal of 1942:

1. It proposed the framing of an independent Constitution for India after World War II.
2. The proposal was rejected by the Indian National Congress due to the demand for immediate independence.
3. The Muslim League supported the Cripps Proposal because it ensured autonomy for Muslim-majority provinces.

Which of the above statements is/are correct?

- (a) 1, 2, 3
- (b) 1, 3
- (c) 2, 3
- (d) 1, 2

Q.60 Consider the following statements regarding the members and election process of the Constituent Assembly:

1. Members of the Constituent Assembly from British Provinces were elected by direct adult franchise.
2. Representatives from the Princely States were partly elected and partly nominated.
3. Seats allocated to British provinces were divided among Muslims, Sikhs, and the General category in proportion to their population.

Which of the above statements is/are correct?

- (a) 1, 2
- (b) 1, 3
- (c) 3 only
- (d) 1, 2, 3

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Q.61 If with the third, fourth, fifth, seventh and tenth letters of the word 'PERSONALITY', a meaningful word is formed, then first letter of the word is the answer. If no word is possible then X is the answer.

- (a) O (b) T (c) R (d) S

Q.62 Fundamental Rights in India are described as the Magna Carta of India. What does this imply?

- (a) They are temporary and can be revoked at any time by the government.
- (b) They promote arbitrary laws for better governance.
- (c) They serve as limitations on executive tyranny and arbitrary laws of the legislature.
- (d) They are guaranteed by the executive branch of government.

Q.63 Which of the following statements about the Fundamental Rights under Article 19 is correct?

- (a) The rights under Article 19 are suspended automatically during any emergency.
- (b) The rights under Article 19 are suspended only during an external emergency, not internal emergencies.
- (c) The rights under Article 19 cannot be suspended under any circumstances.

(d) The rights under Article 19 can be suspended during both external and internal emergencies.

Q.64 Which of these can be found both in Directive Principles and Fundamental Duties?

1. Conservation of the Environment
2. Promoting harmony and the spirit of fraternity
3. Upholding the noble ideals that inspired the national struggle for freedom

How many of the above statements is/are correct?

- (a) Only one (b) Only two
- (c) All three (d) None

Q.65 Consider the following statements.

1. The Constitution of India defines its 'basic structure' in terms of democracy, fundamental rights, federalism and secularism.
2. The Constitution of India provides for 'judicial review' to safeguard the citizens' liberties and to preserve the ideals on which the Constitution is based.

Which of the above statements is/are incorrect?

- (a) 1 only (b) 2 only
- (c) Both 1 and 2 (d) Neither 1 nor 2

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Q.66 Which of the following articles of the Constitution of India requires the Prime minister of India to furnish information related to decisions of the Council of Ministers to the President of India?

- (a) Article 74 (b) Article 75
(c) Article 78 (d) Article 81

Q.67 If any question arises whether a matter falls within the Governor's discretion or not, whose decision shall be final and why?

- (a) Chief Minister because he heads the Council of Ministers.
(b) State Legislature since it is the highest law-making body within the State.
(c) Governor of the State because the Constitution confers him this Authority.
(d) President of India who advises Governor of the same.

Q.68 How many of the following features of the Indian Constitution violate the principle of Federalism?

1. Independent Judiciary
2. Flexibility of the Constitution
3. Emergency Provisions
4. All-India Services

Select the correct answer using the code given below:

- (a) Only one (b) Only two
(c) Only three (d) All four

Q.69 Which one of the following gave constitutional status and protection to the Co-operative societies in India?

- (a) The 61st Constitutional Amendment Act of 1988
(b) The 52nd Amendment Act of 1985
(c) The 73rd Amendment Act of 1992
(d) The 97th Constitutional Amendment Act of 2011

Q.70 Consider the following statements:

1. The writ of habeas corpus can be issued against private individuals.
2. The writ of mandamus cannot be issued against private individuals.
3. The writ of prohibition can be issued only against private individuals.

How many of the above statements is/are correct?

- (a) Only one (b) Only two
(c) All three (d) None

Q.71 Which of the following statements is true regarding the Southern Mineral Belt?

- (a) It extends across Karnataka and Tamil Nadu.
(b) It lacks coal deposits, except for lignite in Neyveli.
(c) It is rich in ferrous minerals.
(d) All of the above.

Q.72 At what time between 6 and 7 are the hands of a clock 8 minutes apart?

- (a) 24 min past 6 (b) 21 min past 6
(c) 18min past 6 (d) 20 min past 6

Q.73 Which of the following statements regarding positive growth of population is correct?

- (a) Positive growth occurs when the death rate exceeds the birth rate
(b) Positive growth occurs when the birth rate equals the death rate
(c) Positive growth occurs when the birth rate is higher than the death rate or there is inward migration
(d) Positive growth occurs when the fertility rate is below replacement level

Q.74 The period of rapid population growth in India (1951-1981) can be attributed to which of the following factors?

- (a) High mortality rates and high fertility rates
(b) Declining fertility rates and declining mortality rates
(c) Low fertility rates and improved migration policies
(d) Declining mortality rates and high fertility rates

Q.75 The 'Roaring Forties', 'Furious Fifties', and 'Shrieking Sixties' are terms used by sailors to describe:

- (a) Strong equatorial counter-currents in the Pacific Ocean.
(b) Intense katabatic winds flowing off the Antarctic ice sheet.
(c) Powerful, persistent westerly winds in the Southern Hemisphere.
(d) Seasonal monsoon winds in the northern Indian Ocean.

Q.76 Which of the following regions is most renowned for the cultivation of 'Mediterranean crops' such as olives, figs, and grapes?

- (a) The Amazon Basin
(b) The Siberian Plain
(c) The Ganges Delta
(d) Central California, USA

Q.77 The term 'Great Barrier Reef' is associated with which country?

- (a) Brazil (b) Indonesia
(c) Australia (d) Philippines

V.KUMAR'S ACADEMY

Q.78 Consider the following statements about Laterite soils:

- 1.They are typically formed in regions with high temperature and high rainfall with alternate wet and dry periods.
- 2.They are rich in silica and organic matter, making them highly fertile for a wide range of crops.
- 3.Intense leaching during their formation leads to a concentration of iron and aluminium oxides.

How many of the statements given above are correct?

- (a) Only one (b) Only two
(c) All three (d) None

Q.79 Regarding the characteristics of Equatorial Climate, consider the following statements:

- 1.The annual range of temperature is significantly large, with distinct summer and winter seasons.
- 2.Convectional rainfall occurs almost daily, typically in the afternoon.
- 3.This climate supports the growth of dense, broadleaf evergreen forests known as tropical rainforests.

How many of the statements given above are incorrect?

- (a) Only one (b) Only two
(c) All three (d) None

Q.80 Consider the following organisms:

1. Cicada 2.Froghopper

3.Pond Skater

4.Termite

How many of the above are classified as insects?

- (a) Only one (b) Only two
(c) Only three (d) All four

Q.81 The principle of 'limited government' inherent in constitutionalism primarily aims to:

- (a) Ensure that the government has restricted financial resources.
(b) Prevent the arbitrary exercise of power by the state and protect individual liberties.
(c) Limit the tenure of elected officials to a single term.
(d) Restrict the scope of judicial review to only procedural matters.

Q.82 Consider the following provisions from British-era Acts:

- 1.Introduction of dyarchy at the provincial level – Government of India Act, 1919.
- 2.Establishment of a Federal Court – Government of India Act, 1935.
- 3.Introduction of separate electorates for Muslims – Indian Councils Act, 1909.
- 4.Abolition of the East India Company's trade monopoly completely – Charter Act of 1813.

How many of the above pairs are correctly matched?

- (a) Only one (b) Only two
(c) Only three (d) All four

V.KUMAR'S ACADEMY

Q.83 Which of the following is *not* a component of the New India Literacy Programme (NILP)?

- (a) Foundational Literacy and Numeracy
- (b) Life Skills Education
- (c) Legal Literacy and Voting Right
- (d) Advanced Technical Education

Q.84 Van de Graaff generator generates :

- (a) electrostatic charge
- (b) magnetic field
- (c) high voltage low alternating current
- (d) high voltage low direct current

Q.85 The surface of the concrete structure of a new construction is covered with straw/gunny bags by wetting. This is done to :

- (a) prevent fast evaporation, until hydration has proceeded well
- (b) protect the concrete structure from contamination by dust particles
- (c) prevent development of any fungus on the surface
- (d) give smoother and cleaner surface over cement structure

Q.86 Consider the following pairs:

<i>Type of Euthanasia</i>	<i>Description</i>
1.Active Euthanasia	Withdrawing life-sustaining treatment
2.Passive Euthanasia	Administering a lethal substance at the patient's request
3.Voluntary Euthanasia	Ending a life without the patient's consent
4. Involuntary Euthanasia	Patient consents to and requests the termination of life

How many of the above pairs are incorrectly matched?

- (a) Only one pair
- (b) Only two pairs
- (c) Only three pairs
- (d) All four pairs

Q.87 What is the primary advantage of a Variable Speed Pumped Storage Plant (PSP) in the context of a modern electricity grid?

- (a) It can generate more electricity than a fixed-speed PSP of the same capacity.
- (b) It can operate independently of the main electricity grid.
- (c) It provides enhanced grid stability and flexibility by adjusting power consumption and generation.
- (d) It requires significantly less water to operate compared to conventional hydropower plants.

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Q.88 Which of the following indicators are used by the Global Gender Gap Index?

1. Economic Participation and Opportunity
2. Political Empowerment
3. Educational Attainment
4. Cultural Representation

Select the correct answer using the code below:

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

Q.89 Which one of the following terms denotes the inputs in terms of tools, machines, buildings, raw materials and money in hand required at any stage of production ?

- (a) Fixed capital
(b) Working capital
(c) Physical capital
(d) Human capital

Q.90 An athlete completes one round of a circular track of diameter 100 m in 20 s. What will be the displacements after 1 minute and 10 s, respectively ?

- (a) 0 m, 50 m
(b) 300 m, 100 m
(c) 300 m, 50 m
(d) 0 m, 100 m

Q.91 Which one of the following regions is identified as having the world's largest tropical peatland, holding a significant amount of global carbon emissions from fossil fuels, the destruction of which could have a detrimental effect on the global climate?

- (a) The Amazon Basin (b) The Sundarbans
(c) The Mekong Delta (d) The Congo Basin

Q.92 The elements of which of the following pairs are isobars?

- (a) ${}^1\text{H}$ and ${}^{13}\text{H}$
(b) ${}^1\text{H}$ and ${}^{12}\text{H}$
(c) ${}^{12}\text{C}$ and ${}^{14}\text{C}$
(d) ${}^{40}\text{Ar}$ and ${}^{40}\text{Ca}$

Q.93 Which of the following statements with reference to Surface inversion of temperature is/are correct?

1. It causes instability in the lower layers of the atmosphere.
2. This inversion commonly lasts for a few hours until the Sun comes up.

Select the answer using the code given below:

- (a) 1 only (b) 2 only
(c) Both 1 and 2
(d) Neither 1 nor 2

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Q.94 The Beti Bachao Beti Padhao (BBBP) scheme is a joint initiative of which of the following ministries?

- 1.Ministry of Women and Child Development
- 2.Ministry of Health and Family Welfare
- 3.Ministry of Education

Select the correct answer using the code given below:

- (a) 1 and 2 only
(b) 2 and 3 only
(c) 1 and 3 only
(d) 1, 2 and 3

Q.95 A metallic sphere of mass 1 kg and volume $2 \times 10^{-4} \text{ m}^3$ is completely immersed in water. The buoyant force exerted by water on the sphere is: (Given: density of water = 1000 kg/m^3 , $g = 10 \text{ m/s}^2$)

- (a) 0.5 N (b) 1.5 N
(c) 2 N (d) 2.5 N

Q.96 The force with which the Earth attracts an object is called:

- (a) Weight of the object
- (b) Mass of the object
- (c) Density of the object
- (d) Magnitude of the object

Q.97 What is the minimum number of square marbles required to tile a floor of length 2 meters 8cm and width 2 meters 86 cm?

- (a) 100 (b) 88 (c) 76 (d) 98

Q.98 Rutherford's α -particle scattering experiment on gold foil is responsible for the discovery of:

- (a) Neutron (b) Electron
(c) Proton (d) Atomic nucleus

Q.99 Which kind of mass wasting processes are commonly associated with creep?

- (a) Fast speed with soil
- (b) Slow speed with rock
- (c) Slow speed with ice
- (d) Slow speed with soil

Q.100 The “World Economic Outlook” is published by which of the following institutions?

- (a) World Bank
- (b) International Monetary Fund (IMF)
- (c) World Economic Forum (WEF)
- (d) Organisation for Economic Co-operation and Development (OECD)

Q.101 A company has 11 software engineers and 7 civil engineers. In how many ways can they be seated in a row so that all the civil engineers are always together?

- (a) $11! \times 7!$ (b) $18!$
(c) $12! \times 7!$ (d) $18! \times 2$

Q.102 Consider the following statements regarding the powers of the Chief of Defence Staff (CDS):

Statement-I: The Chief of Defence Staff has recently been empowered to issue unified instructions applicable to the Army, Navy, and Air Force.

Statement-II: CDS can exercise direct military command over the three service chiefs, superseding their individual authority over their respective forces.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement-I and Statement-II are correct and Statement-II is the correct explanation for Statement-I
- (b) Both Statement-I and Statement-II are correct and Statement-II is not the correct explanation for Statement-I
- (c) Statement-I is correct but Statement-II is incorrect
- (d) Statement-I is incorrect but Statement-II is correct

Q.103 There are two filling pipes A and B can fill the tank in 6 hours and 8 hours respectively. And there is also a waste pipe C which can empty the tank at the rate of 5 litres per minute. All the three pipes are opened together, the tank be filled in 12 hours. Find the capacity of the tank.

- (a) 1220 litres
- (b) 1440 litres
- (c) 1680 litres
- (d) 1850 litres

Q.104 Consider the following statements regarding India's Balance of Payments (BoP):

- 1.The Current Account Deficit (CAD) invariably leads to a decrease in foreign exchange reserves.
- 2.Foreign Portfolio Investment (FPI) is recorded in the current account of the BoP.
- 3.A surplus in the capital account always ensures an overall surplus in the BoP.

How many of the statements given above are correct?

- (a) Only one
- (b) Only two
- (c) All three
- (d) None

Q.105 With reference to the functions of the Reserve Bank of India (RBI), consider the following:

- 1.Acting as a banker to the commercial banks.
- 2.Managing the public debt of the Central and State Governments.
- 3.Regulating the operations of Non-Banking Financial Companies (NBFCs).
- 4.Formulating and implementing the nation's fiscal policy.

How many of the above functions are performed by the RBI?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All four

Q.106 Which of the following are considered components of India's Foreign Exchange Reserves?

- 1.Foreign Currency Assets (FCAs)
- 2.Gold
- 3.Special Drawing Rights (SDRs)
- 4.Reserve Tranche Position (RTP) with the IMF

How many of the options given above are correct?

- (a) Only one (b) Only two
(c) Only three (d) All four

Q.107 Which of the following catalytic systems is used for the reduction of unsaturated hydrocarbon to saturated hydrocarbon?

- (a) Copper and H_2
(b) Iron and H_2 (c) Zinc and H_2
(d) Nickel and H_2

Q.108 Which of the following statements about the Tawi River is correct?

- (a) It is a right-bank tributary of the Chenab River.
(b) It originates from the Siachen Glacier in the Karakoram range.
(c) The river is considered sacred and is mentioned in Hindu scriptures as Chandraputri.
(d) It is the main source of water for the city of Jammu and flows through Doda, Udhampur, and Jammu districts.

Q.109 Which of the following statements is/are correct?

1. Angular velocity for all locations on the Earth's surface is the same while linear velocity varies.
2. Linear velocity is maximum at the equator and minimum at the poles.

Select the correct answer using the code given below.

- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2

Q.110 Which one among the following are the correct symbols for the elements gold, tin and lead, respectively ?

- (a) Ga, Sb, Pb (b) At, Sn, Le
(c) Au, Sn, Pb (d) Au, Sb, Pb

Q.111 Which of the following best describes the 'Sahel' region of Africa?

- (a) A dense tropical rainforest zone along the Congo River.
(b) A vast sandy desert covering most of North Africa.
(c) A semi-arid transitional zone between the Sahara Desert to the north and the savannas to the south.
(d) A mountainous highland region in East Africa known for coffee cultivation.

Q.112 The Prime Meridian, which defines 0° longitude, passes through which of the following cities?

- (a) Paris, France
- (b) New York City, USA
- (c) Greenwich, England
- (d) Rome, Italy

Q.113 With reference to the Earth's atmosphere, consider the following statements:

1. The troposphere is characterized by a general decrease in temperature with increasing altitude.
2. The ozone layer, which absorbs most of the Sun's ultraviolet (UV) radiation, is primarily located in the mesosphere.
3. The stratosphere exhibits a temperature increase with altitude due to the absorption of UV radiation by ozone.

How many of the statements given above are correct?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) None

Q.114 Which of the following mountain ranges separates Europe from Asia in the west?

- (a) The Alps
- (b) The Pyrenees
- (c) The Ural Mountains
- (d) The Carpathian Mountains

Q.115 The 44th Constitutional Amendment Act of 1978 introduced significant changes to the Emergency provisions in the Indian Constitution. In this context, which of the following was a primary consequence of this amendment?

- (a) It extended the term of the Lok Sabha from five to six years during an Emergency.
- (b) It empowered the executive to suspend the right to move court for the enforcement of Article 21.
- (c) It replaced the ground of "internal disturbance" with "armed rebellion" for proclaiming a National Emergency.
- (d) It made the proclamation of an Emergency immune from judicial review.

Q.116 Nano Sulphur has garnered attention for its diverse applications. In which of the following sectors is Nano Sulphur NOT typically used?

- (a) Agriculture as a fungicide and fertilizer.
- (b) Production of high-strength construction materials like cement.
- (c) Biomedical applications including drug delivery.
- (d) Energy storage in lithium-sulfur batteries.

Q.117 Which one of the following forms of settlement develops around a lake?

- (a) Linear
- (b) Cross-shaped
- (c) Circular
- (d) Square

Q.118 Which two rivers flow in the region between Gulbarga and Vijayanagara Hampi?

- (a) Narmada and Godavari
- (b) Mahanadi and Godavari
- (c) Kaveri and Periyar
- (d) Krishna and Tungabhadra

Q.119 Which one of the following is the correct order of pH for the given substances?

- (a) Coffee < Lemon juice < Milk of magnesia < Blood
- (b) Milk of magnesia < Blood < Coffee < Lemon juice
- (c) Lemon juice < Blood < Coffee < Milk of magnesia
- (d) Lemon juice < Coffee < Blood < Milk of magnesia

Q.120 Which one of the following best describes the purpose of uranium enrichment?

- (a) to increase the proportion of U-238 for weaponization
- (b) to reduce radioactive emissions from uranium ore

(c) to enhance U-235 concentration for controlled nuclear fission.

(d) to neutralize uranium's fissile Capabilities.

Q.121 Which of the following best explains why neutrinos are difficult to detect despite their abundance in the universe?

- (a) They travel faster than light and escape detectors
- (b) They carry a strong negative charge, neutralizing detector signals
- (c) They interact extremely weakly with matter due to being chargeless
- (d) They constantly decay into photons before reaching Earth

Q.122 Why do nanobubbles offer a significant advantage in water purification compared to conventional air bubbles?

- (a) Their neutral buoyancy allows prolonged interaction with contaminants.
- (b) They can be visualized easily under standard light microscopy.
- (c) They are positively charged and attract heavy metals in water.
- (d) They rise quickly to the surface, expelling pollutants.

V.KUMAR'S ACADEMY

Q.123 The "Wallace Line", occasionally discussed in geographical and environmental studies, represents which one of the following concepts?

- (a) A marine boundary separating distinct tectonic plates in the Pacific Ocean.
- (b) A deep-sea faunal boundary separating Asian wildlife from Australian-type species.

(c) A high-altitude atmospheric transition zone governing monsoonal precipitation.

(d) An international maritime boundary separating Southeast Asia from Oceania.

Select the correct answer Code:

- (a) A-2, B-3, C-4, D-1
- (b) A-2, B-1, C-3, D-4
- (c) A-4, B-3, C-1, D-2
- (d) A-1, B-2, C-4, D-3

Q.125 Which geographical feature is located near the Golan Heights?

- (a) Sinai Peninsula
- (b) Dead Sea
- (c) Mount Hermon
- (d) Tigris River

Q.124 Match List-I (Indian Air Defence System) with List-II (Primary Origin and Engagement Range Category). Select the correct answer using the code given below the lists:

SPACE FOR ROUGH WORK

List-I (System)

List-II (Origin & Range Category)

A. S-400 Triumph

1. Russian, Short-Range (Legacy)

B. Barak-8 MRSAM

2. Russian, Long-Range

C. Akash SAM

3. India-Israel Co-development, Medium-Range

D. S-125 Pechora

4. Indigenous, Medium-Range



V.KUMAR'S ACADEMY



CISF



ITBP



BSF



CRPF



SSB