INDUS RANGERS DEFENCE ACADEMY

4TH Floor Shakumbhari Complex, Chetmani Near: IP Vijaya Mall Bhelupur Varanasi, (U.P.– 221010)

CDS [ENGLISH + GS]
PRACTICE SHEET

Time: 1:30 Hr **M. M.: 400**

General Instructions:

- There are 100 questions
- All questions have 4 marks for correct and –1 mark for wrong answer as a penalty.
- The name, date, and exam must be filled in OMR sheet otherwise the result will not be published.
- OMR fill should be properly.

[ENGLISH]

FILL IN THE BLANK

Directions: Each of the following sentences in this section has a blank space and four words or group of words are given after the sentence. Select the word or group of words you consider the most **appropriate** for the blank space and indicate your response on the Answer Sheet accordingly.

1. How we _____ to ageing is a choice we must make wisely.
   (a) respond (b) absolve (c) discharge (d) overlook
2. Complementary medicine _____ fewer risks, since it is used along with standard remedies, often to lessen side-effects and enhance feelings of well-being.
   (a) reacts (b) releases (c) ejects (d) carries
3. Stress may _____ fertility in men and women.
   (a) engage (b) reduce (c) inject (d) deduce
4. The football match had to be _____ because of the weather.
   (a) called on (b) called off (c) called out (d) called over
5. Nobody believed Ram at first but he _____ to be right.
   (a) came out (b) carried out (c) worked out (d) turned out
6. How are you _____ in your new job? Are you enjoying it?
   (a) keeping on (b) going on (c) getting on (d) carrying on
7. We live _____ a tower block. Our apartment is on the fifteenth floor.
   (a) at (b) in (c) over (d) above
8. You were going to apply for the job, and then you decided not to. So what _____?
   (a) put you off (b) put you out
   (c) turned you off (d) turned you away
9. _____ it was raining, he went out without a raincoat.
   (a) Even (b) Since (c) Unless (d) Although
10. I parked my car in a no-parking zone, but I _____ it.
    (a) came up with (b) got away with
    (c) made off with (d) got on with

SYNONYMS

Directions: Each item in this section consists of a sentence with an underlined word followed by four words/group of words. Select the option that is the **nearest in meaning** to the underlined word and mark your response on your Answer Sheet accordingly.

11. A provocative message had been doing rounds on social media to instigate the mob against migrants.
    (a) dexterous (b) inflammatory
    (c) valiant (d) prudent
12. The differences include increase in mean temperature and heavy precipitation in several regions.
    (a) drought (b) oasis (c) rainfall (d) snowing
13. The portal will help victims and complainants to anonymously report cyber-crime.
    (a) incognito (b) directly (c) unfailingly (d) in situ
14. He is suffering from a terminal disease.
    (a) sublunary (b) terrific (c) chronic (d) incurable
15. Doctors are reluctant to take rural postings despite big salary offers.
    (a) disinclined (b) eager (c) fervent (d) unrepentant
16. The authorities have reprimanded the subordinate officer for violating the protocol.
    (a) extolled (b) purported
    (c) admonished (d) required an apology
17. For Gandhiji, India's religious and linguistic diversity was an asset, not a liability.
    (a) obligation (b) advantage (c) attribute (d) reinforcement
18. How hysterical he is!
    (a) berserk (b) inconsistent (c) duplicitous (d) insincere
19. Mahesh is mostly prejudiced in his political opinion.
    (a) objectionable (b) predatory (c) jaundiced (d) intimate
20. Do not indulge in tautology.
    (a) truth telling (b) prolixity
    (c) foretelling (d) telepathic conversation

ANTONYMS

Directions: Each item in this section consists of a sentence with an underlined word followed by four words. Select the option that is **opposite in meaning** to the underlined word and mark your response on your Answer Sheet accordingly.

21. His religious views are rather fanatical.
    (a) bigoted (b) rabid (c) moderate (d) militant
22. Religious fundamentalists often consider the followers of other religions to be heretics.
    (a) dissenter (b) believer (c) renegade (d) apostate
23. According to G B Shaw, men have become inert. Therefore, life force has chosen women to perform its functions.
    (a) lively (b) quiescent (c) dormant (d) apathetic

24. Some of the men are highly misanthropic.
    (a) anti-social (b) philosophic (c) atrophic (d) philanthropic
25. The teacher was a very profound man.
    (a) sincere (b) erudite (c) scholarly (d) superficial
26. His hand-writing is readable.
    (a) well-written (b) decipherable
    (c) illegible (d) comprehensible
27. Mohan is his steadfast friend.
    (a) committed (b) unwavering (c) unfaltering (d) unreliable
28. Radha often goes tempestuous while debating.
    (a) calm (b) violent (c) fierce (d) vehement
29. The thief had very vital information to pass on to the police.
    (a) crucial (b) inessential (c) indispensable (d) fundamental
30. His lectures are often wordy and pointless.
    (a) diffuse (b) concise (c) garrulous (d) voluble

ORDERING OF WORDS IN A SENTENCE

Directions: Each of the following items in this section consists of a sentence, the parts of which have been jumbled. These parts have been labelled as P, Q, R and S. Given below each sentence are four sequences namely (a), (b), (c) and (d). You are required to re-arrange the jumbled parts of the sentence and mark your response accordingly.

31. P: the prize money
    Q: for refusing her
    R: Pepsico was ordered
    S: to compensate the woman
    (a) R S Q P (b) S P Q R (c) R P S Q (d) Q R S P
32. P: trade operating from a colony
    Q: held a meeting
    R: demanding a probe into the illegal drug
    S: the residents of the city
    (a) Q R S P (b) S P Q R (c) S Q R P (d) R S Q P
33. P: the university authorities cancelled the ongoing students' union election and
    Q: following students' unrest on campus
    R: closed till further orders
    S: declared the institution
    (a) Q R S P (b) Q P S R (c) S Q R P (d) R S Q P
34. P: brushed past the latter's pet dog
    Q: stabbed to death by a man
    R: after his vehicle accidentally
    S: a cargo van driver was allegedly
    (a) Q R S P (b) Q P S R (c) S Q R P (d) S Q P R

35. P: an earthquake and tsunami
    Q: the disaster mitigation agency
    R: said that the death toll from
    S: in Indonesia has crossed 1500
    (a) P Q S R (b) R P S Q (c) S Q R P (d) Q R P S
36. P: scientists say they have developed a new
    Q: illnesses such as heart disease and cancer
    R: DNA tool that uses machine learning to accurately
    S: predict people's height and assess their risk for serious
    (a) P R S Q (b) R P S Q (c) P S R Q (d) Q R P S
37. P: a rare evergreen tree in the Southern Western Ghats
    Q: researchers have found that
    R: common white-footed ants are the best pollinators of
    S: bees might be the best known pollinators but
    (a) P R S Q (b) S Q R P (c) Q S R P (d) P Q R S
38. P: say from their forties onwards
    Q: it is thus a good idea
    R: and continue to exercise early enough
    S: for senior citizens to start
    (a) P R S Q (b) Q R S P (c) Q S R P (d) P Q R S
39. P: scientists have determined
    Q: injury in animals and humans
    R: that is linked to the severity of spinal cord
    S: a gene signature
    (a) P S R Q (b) Q R P S (c) Q S P R (d) P Q R S
40. P: like a muscle and repeating the process
    Q: and stable reading circuit
    R: helps the child build a strong
    S: the brain works
    (a) Q S R P (b) S P R Q (c) Q S P R (d) R Q P S

ORDERING OF SENTENCES

Directions: In this section each item consists of six sentences of a passage. The first and sixth sentences are given in the beginning as S1 and S6. The middle four sentences in each have been jumbled up and labelled as P, Q, R and S. You are required to find the proper sequence of the four sentences and mark your response accordingly on the Answer Sheet.

41. S1: He no longer dreamed of storms, nor of women, nor of great occurrences, nor of great fish, nor fights, nor contests of strength, nor of his wife.
    S6: He urinated outside the shack and then went up the road to wake the boy.
    P: He never dreamed about the boy.
    Q: He only dreamed of places and of the lions on the beach now.
    R: He simply woke, looked out through the open door at the moon and unrolled his trousers and put them on.

S: They played like young cats in the dusk and he loved them as he loved the boy.
The correct sequence should be
(a) R Q P S (b) S R Q P (c) Q S P R (d) P R S Q

42. S1: We do not know, after 60 years of education, how to protect ourselves against epidemics like cholera and plague.
S6: This is the disastrous result of the system under which we are educated.
P: If our doctors could have started learning medicine at an earlier age, they would not make such a poor show as they do.
Q: I have seen hundreds of homes. I cannot say that I have found any evidence in them of knowledge of hygiene.
R: I consider it a very serious blot on the state of our education that our doctors have not found it possible to eradicate these diseases.
S: I have the greatest doubt whether our graduates know what one should do in case one is bitten by a snake.
The correct sequence should be
(a) R Q S P (b) P R Q S (c) Q R P S (d) P Q S R

43. S1: The weak have no place here, in this life or in any other life. Weakness leads to slavery.
S6: This is the great fact: strength is life, weakness is death. Strength is felicity, life eternal, immortal; weakness is constant strain and misery: weakness is death.
P: They dare not approach us, they have no power to get a hold on us, until the mind is weakened.
Q: Weakness leads to all kinds of misery, physical and mental. Weakness is death.
R: But they cannot harm us unless we become weak, until the body is ready and predisposed to receive them.
S: There are hundreds of thousands of microbes surrounding us.
The correct sequence should be
(a) P Q R S (b) P R Q S (c) Q R S P (d) Q S R P

44. S1: The Nobel Prize for Economics in 2018 was awarded to Paul Romer and William Nordhaus for their work in two separate areas: economic growth and environmental economics respectively.
S6: Among recent winners of Nobel Prize in Economics, it's hard to think of one issue which is more topical and relevant to India.
P: But there is a common thread in their work.
Q: In economic jargon it's termed as externality.
R: Productive activity often has spillovers, meaning that it can impact an unrelated party.
S: Romer and Nordhaus both studied the impact of externalities and came up with profound insights and economic models.
The correct sequence should be
(a) P Q R S (b) P R Q S (c) Q S P R (d) Q S R P

45. S1: India's museums tend to be dreary experiences.
S6: Because it's better to attract crowds than dust.
P: Even the Louvre that attracted an eye-popping 8-1 million visitors last year compared to India's 10-18 million foreign tourists, has hooked up with Beyonce and Jay-Z for promotion, where they take a selfie with Mona Lisa.

Q: Our museums need to get cool too.
R: A change of approach is clearly called for.
S: Troops of restless schoolchildren are often the most frequent visitors, endlessly being told to lower their voices and not touch the art.
The correct sequence should be
(a) P Q R S (b) P R S Q (c) S R P Q (d) Q S R P

46. S1: A decade ago UN recognised that rape can constitute a war crime and a constitutive act of genocide.
S6: The fact that these two peace laureates come from two different nations underlines that this problem has been widespread, from Rwanda to Myanmar.
P: This year's Nobel peace prize has been awarded to two exceptional individuals for their fight to end the use of sexual violence as a weapon of war.
Q: Denis Mukwege is a doctor who has spent decades treating rape survivors in the Democratic Republic of Congo, where a long civil war has repeatedly witnessed the horror of mass rapes.
R: Nadia Murad is herself a survivor of sexual war crimes, perpetrated by IS against the Yazidis.
S: Today she campaigns tirelessly to put those IS leaders in the dock in international courts.
The correct sequence should be
(a) P Q R S (b) P R Q S (c) S R Q P (d) Q R S P

47. S1: Few scientists manage to break down the walls of the so-called ivory tower of academia and touch and inspire people who may not otherwise be interested in science.
S6: Not many would have survived this, let alone excelled in the manner he did.
P: Stephen Hawking was one of these few.
Q: Around this time he was diagnosed with Amyotrophic Lateral Sclerosis, an incurable motor neuron disease, and given two years to live.
R: Judging by the odds he faced as a young graduate student of physics at Cambridge University, nothing could have been a more remote possibility.
S: When he was about 20 years old, he got the shattering news that he could not work with the great Fred Hoyle for his PhD, as he had aspired to.
The correct sequence should be
(a) P Q S R (b) P R Q S (c) S R P Q (d) P R S Q

48. S1: The climate question presents a leapfrog era for India's development paradigm.
S6: This presents a good template for India, building on its existing plans to introduce electric mobility through buses first, and cars by 2030.
P: It is aimed at achieving a shift to sustainable fuels, getting cities to commit to eco-friendly mobility and delivering more walkable communities, all of which will improve the quality of urban life.
Q: At the Bonn conference, a new Transport Decarbonisation Alliance has been declared.
R: This has to be resolutely pursued, breaking down the barriers to wider adoption of rooftop solar energy at every level and implementing net metering systems for all categories of consumers.
S: Already, the country has chalked out an ambitious policy on renewable energy, hoping to generate 175 gigawatts of power from green sources by 2022.

The correct sequence should be
(a) S R Q P (b) S P R Q (c) P R S Q (d) Q R S P

49. S1: The dawn of the information age opened up great opportunities for the beneficial use of data.
S6: To some, in this era of Big Data analytics and automated, algorithm-based processing of zettabytes of information, the fear that their personal data may be unprotected may conjure up visions of a dystopian world in which individual liberties are compromised.
P: But it is the conflict between the massive scope for progress provided by the digital era and the fear of loss of individual autonomy that is foregrounded in any debates about data protection laws.
Q: It also enhanced the perils of unregulated and arbitrary use of personal data.
R: It is against this backdrop that the White Paper made public to elicit views from the public on the shape and substance of a comprehensive data protection laws assume significance.
S: Unauthorised leaks, hacking and other cyber crimes have rendered data bases vulnerable.
The correct sequence should be
(a) S Q R P (b) Q P R S (c) S R P Q (d) Q S P R

50. S1: In a globalised world, no country can hope to impose tariffs without affecting its own economic interests.
S6: The ongoing trade war also threatens the rules-based global trade order which has managed to amicably handle trade disputes between countries for decades.
P: So both the U.S. and China, which have blamed each other for the ongoing trade war, are doing no good to their own economic fortunes by engaging in this tit-for-tat tariff battle.
Q: Apart from disadvantaging its consumers, who will have to pay higher prices for certain goods, tariffs will also disrupt the supply chain of producers who rely on foreign imports.
R: China, which is fighting an economic slowdown, will be equally affected.
S: The minutes of the U.S. Federal Reserve June policy meeting show that economic uncertainty due to the trade war is already affecting private investment in the U.S., with many investors deciding to scale back or delay their investment plans.
The correct sequence should be
(a) S Q P R (b) Q P S R (c) Q R P S (d) P S R Q

[GS]

51. Where is the famous Gupta period Deogarh Temple situated?
A. Uttar Pradesh B. Madhya Pradesh
C. Chhattisgarh D. Rajasthan
52. Who among the following is the author of the book *'The Indian Struggle 1920–1942'*?
A. Vinayak Damodar Savarkar B. Subhas Chandra Bose
C. Vallabhbhai Patel D. Sarat Chandra Bose
53. With reference to the Buddhist Councils, consider the following statements:
1) The First Buddhist Council was held at Rajagriha.
2) The Second Buddhist Council was held at Vaishali.

3) The Third Buddhist Council was convened during the reign of Ashoka.
4) The Fourth Buddhist Council under Kanishka was held at Nalanda.
Which of the statements given above are correct?

A. 1, 2 and 3 only
B. 1 and 4 only
C. 2, 3 and 4 only
D. 1, 2, 3 and 4

54. With reference to the Chola administration, consider the following statements:
1) The Chola Empire followed a highly centralized administrative system with no role for village assemblies.
2) The village assemblies were known as Ur, Sabha and Nagaram.
3) Members of the Sabha were generally chosen through the Kudavolai system.
4) Land revenue constituted an important source of income for the Cholas.
Which of the statements given above are correct?

A. 2, 3 and 4 only
B. 1 and 4 only
C. 1, 2 and 3 only
D. 1, 2, 3 and 4

55. The term "Muvendar" in Sangam literature refers to:
A. Three crowned kingdoms of South India
B. Three sacred Tamil academies
C. Three famous Tamil poets
D. Three Buddhist monasteries

56. With reference to Emperor Ashoka and his Dhamma, consider the following statements:
1) Ashoka adopted the policy of Dhamma after the Kalinga War.
2) The concept of Dhamma emphasized moral values such as compassion, tolerance and respect for all religious sects.
3) Ashoka declared Buddhism as the official state religion and prohibited the practice of all other religions throughout his empire.
4) Ashoka appointed officers known as Dhamma Mahamatras to supervise the implementation of his policy.
Which of the statements given above are correct?

A. 1, 2 and 4 only
B. 1 and 3 only
C. 2, 3 and 4 only
D. 1, 2, 3 and 4

57. With reference to Samudragupta, often regarded as the 'Napoleon of India', consider the following statements:
1) The achievements of Samudragupta are described in detail in the Allahabad Pillar Inscription, composed by his court poet Harisena.
2) The inscription classifies the conquered rulers into different categories, including rulers who were annexed, reinstated after submission, and frontier states that accepted his suzerainty.
3) Samudragupta performed the Ashvamedha sacrifice to proclaim his imperial sovereignty and issued special gold coins commemorating the event.
4) Despite being a great conqueror, Samudragupta is also remembered as a patron of literature, music and learning, and some of his coins depict him playing the Veena.
5) Samudragupta's military campaigns were confined only to Northern India, and he never undertook expeditions into the Deccan or Southern India.
Which of the statements given above are correct?

A. 1, 2, 3 and 4 only
B. 1, 3 and 5 only
C. 2, 4 and 5 only
D. 1, 2, 3, 4 and 5

58. With reference to the Ganga River System, consider the following statements:
1) The Bhagirathi originates from the Gangotri Glacier, while the Alaknanda originates near the Satopanth Glacier.
2) Devprayag is the confluence of the Bhagirathi and Alaknanda rivers, from where the river is known as the Ganga.
3) The Yamuna is the largest left-bank tributary of the Ganga.
4) The Son River joins the Ganga from the right bank.
Which of the statements given above are correct?
A. 1, 2, 3 and 4 B. 1, 2 and 4 only
C. 2, 3 and 4 only D. 1 and 3 only

59. With reference to Economic Planning in India, consider the following statements:
1) The Planning Commission was established by an executive resolution of the Government of India in 1950.
2) The Constitution of India originally provided for the establishment of the Planning Commission.
3) The Planning Commission was replaced by the NITI Aayog in 2015.
4) The Prime Minister of India served as the Chairperson of the Planning Commission.
Which of the statements given above are correct?
A. 1, 3 and 4 only B. 1 and 2 only
C. 2, 3 and 4 only D. 1, 2, 3 and 4

60. Which of the following Five-Year Plans is popularly known as the "Mahalanobis Plan" due to its emphasis on the development of heavy and basic industries?
A. First Five-Year Plan B. Second Five-Year Plan
C. Third Five-Year Plan D. Fourth Five-Year Plan

61. Which institution is primarily responsible for controlling inflation through monetary policy in India?
A. NITI Aayog B. Reserve Bank of India
C. Ministry of Finance D. Finance Commission

62. Poverty measured on the basis of a person's inability to meet the minimum requirements of food, clothing and shelter is known as:
A. Relative Poverty B. Absolute Poverty
C. Seasonal Poverty D. Urban Poverty

63. A Government has the following budget estimates:
Total Expenditure = ₹18 lakh crore
Revenue Receipts = ₹10 lakh crore
Recovery of Loans = ₹0.5 lakh crore
Disinvestment Receipts = ₹1.5 lakh crore.
The Fiscal Deficit will be:
A. ₹5 lakh crore B. ₹6 lakh crore
C. ₹7 lakh crore D. ₹8 lakh crore

64. Consider the following statements regarding Monopoly:
1) A monopoly market has only one seller.
2) There are no close substitutes for the product.
3) Entry of new firms is generally restricted.
4) The monopolist is a price taker.
Which of the statements given above are correct?
A. 1, 2 and 3 only B. 2 and 4 only

C. 1, 3 and 4 only
D. 1, 2, 3 and 4

65. With reference to Jim Corbett National Park, consider the following statements:
1) It is the oldest National Park in India.
2) It was the first National Park to come under Project Tiger.
3) It is located in the state of Uttarakhand.
4) The Ramganga River flows through the park.
Which of the statements given above are correct?
A. 1, 2, 3 and 4
B. 1, 3 and 4 only
C. 2 and 4 only
D. 1, 2 and 3 only

66. Consider the following statements regarding Indian Classical Dances:
1) Bharatanatyam originated in Tamil Nadu.
2) Kathak originated in North India.
3) Kuchipudi originated in Andhra Pradesh.
4) Mohiniyattam originated in Kerala.
Which of the statements given above are correct?
A. 1 and 2 only
B. 2, 3 and 4 only
C. 1, 2, 3 and 4
D. 1, 3 and 4 only

67. Which one of the following pairs is NOT correctly matched?
A. Counter Insurgency and Jungle Warfare School (CIJWS) — Vairengte, Mizoram
B. High Altitude Warfare School (HAWS) — Gulmarg, Jammu & Kashmir
C. Army Air Defence College — Gopalpur, Odisha
D. Indian Naval Academy — Kochi, Kerala

68. Consider the following statements regarding operating systems:
1) An operating system acts as an interface between the user and the hardware.
2) Linux is an open-source operating system.
3) Windows is a programming language.
4) Android is based on the Linux kernel.
Which of the statements given above are correct?
A. 1 and 2 only
B. 1, 2 and 4 only
C. 2, 3 and 4 only
D. 1, 2, 3 and 4

69. Which one of the following is an example of an input device?
A. Monitor
B. Printer
C. Scanner
D. Speaker

70. Match List-I with List-II.

List-I	List-II
A. CPU	1. Temporary Memory
B. RAM	2. Permanent Storage
C. SSD	3. Brain of the Computer
D. Keyboard	4. Input Device

A. A–3, B–1, C–2, D–4
B. A–1, B–3, C–4, D–2
C. A–3, B–2, C–1, D–4
D. A–2, B–1, C–3, D–4

71. INS Taragiri was commissioned at which place in April 2026?
A. Mumbai
B. Kochi

C. Visakhapatnam D. Kolkata

72. Who won the 2026 Australian Open Men's Singles title?
A. Novak Djokovic B. Carlos Alcaraz
C. Jannik Sinner D. Daniil Medvedev

73. The "Nari Shakti Vandan Run" is organised by which ministry?
A. Ministry of Women and Child Development
B. Ministry of Youth Affairs and Sports
C. Ministry of Defence
D. Ministry of Home Affairs

74. Where is the India-Uzbekistan joint military exercise 'DUSTLIK 2026' being held?
A. Namangan, Uzbekistan B. Tashkent, Uzbekistan
C. New Delhi, India D. Samarkand, Uzbekistan

75. Consider the following statements regarding the Indian Army's top leadership shifts in June 2026:
1) General Dhiraj Seth assumed charge as the 31st Chief of the Army Staff (COAS) on June 30, 2026.
2) Vice Chief appointments are entirely handled by the Chief of Defence Staff without Cabinet approval.
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

76. With reference to Chemical Bonding, consider the following statements:
1) Ionic bonds are formed by the transfer of electrons from one atom to another.
2) Covalent bonds are formed by the sharing of electron pairs between atoms.
3) Metallic bonding arises due to the attraction between positively charged metal ions and a sea of delocalized electrons.
4) A compound containing only covalent bonds always conducts electricity in the molten state.
Which of the statements given above are correct?
A. 2 and 4 only B. 1, 2 and 3 only
C. 1, 3 and 4 only D. 1, 2, 3 and 4

77. With reference to Nuclear Chemistry, consider the following statements:
1) Alpha particles carry a positive charge.
2) Beta particles are high-speed electrons or positrons emitted from the nucleus.
3) Gamma rays have no mass and no electric charge.
4) The penetrating power of alpha particles is greater than that of gamma rays.
Which of the statements given above are correct?
A. 1 and 2 only B. 2, 3 and 4 only
C. 1, 2 and 4 only D. 1, 2 and 3 only

78. A pump driven by a 6 kW electric motor raises 7200 litres of water every minute to a height of 20 m. Assuming the density of water to be 1000 kg/m³ and g = 9.8 m/s², the efficiency of the pump is approximately:
A. 39.2% B. 52.4%
C. 61.3% D. 78.4%

79. A train moving at a speed of 54 km/h enters a straight track and accelerates uniformly at the rate of 0.8 m/s² for the first 25 seconds. It then continues to move with the attained speed for the next 40 seconds before applying brakes and coming

to rest with a uniform retardation of 1.5 m/s². The total distance travelled by the train from the beginning of acceleration until it comes to rest is closest to:

A. 1785 m
B. 1935 m
C. 2085 m
D. 2235 m

80. Three resistors of 6 Ω, 3 Ω and 2 Ω are connected in parallel across a 12 V battery. The circuit operates continuously for 30 minutes. The total electrical energy consumed by the circuit is:

A. 0.18 kWh
B. 0.24 kWh
C. 0.30 kWh
D. 0.36 kWh

81. Which one of the following pairs is correctly matched?

A. Siachen Glacier — Karakoram Range
B. Zojila Pass — Himachal Pradesh
C. Nathu La Pass — Uttarakhand
D. Bomdila Pass — Sikkim

82. Which of the following vitamins is synthesized in the human skin in the presence of sunlight?

A. Vitamin A
B. Vitamin C
C. Vitamin D
D. Vitamin K

83. Which one of the following pairs is correctly matched?

A. Bhitarkanika National Park — Odisha
B. Silent Valley National Park — Karnataka
C. Gir National Park — Rajasthan
D. Dachigam National Park — Himachal Pradesh

84. Which of the following is arranged in the correct increasing order of atmospheric layers from the Earth's surface?

A. Troposphere → Stratosphere → Mesosphere → Thermosphere
B. Stratosphere → Troposphere → Thermosphere → Mesosphere
C. Troposphere → Mesosphere → Stratosphere → Thermosphere
D. Thermosphere → Mesosphere → Stratosphere → Troposphere

85. Consider the following pairs:

Operation	Related To
(a) Operation Meghdoot	Siachen Glacier
(b) Operation Flood	White Revolution
(c) Operation Cactus	Maldives
(d) Operation Blue Star	Golden Temple

How many pairs given above are correctly matched?

A. Only one
B. Only two
C. Only three
D. All four

86. Consider the following statements regarding the Indian National Flag:

1) The ratio of length to width is 3:2.
2) The Ashoka Chakra has 24 spokes.
3) The saffron colour represents courage and sacrifice.

4) The design of the present National Flag was adopted on 22 July 1947.

Which of the statements given above are correct?

A. 1, 2 and 4 only
B. 2 and 3 only
C. 1, 2, 3 and 4
D. 1 and 3 only

87. Which one of the following is correctly matched?

A. Bhakra Dam — Sutlej River
B. Hirakud Dam — Godavari River
C. Tehri Dam — Yamuna River
D. Sardar Sarovar Dam — Tapi River

88. With reference to the Right to Information Act, 2005, consider the following statements:

1) Every citizen has the right to seek information from public authorities.
2) The Central Information Commission was constituted under the Act.
3) Private companies are directly covered under the Act irrespective of government control.
4) Certain intelligence and security organizations are exempt from the Act, subject to specified exceptions.

Which of the statements given above are correct?

A. 2, 3 and 4 only
B. 1, 2 and 4 only
C. 1, 3 and 4 only
D. 1, 2, 3 and 4

89. Which one of the following pairs is correctly matched?

A. Vitamin D — Scurvy
B. Vitamin B_{12} — Pernicious Anaemia
C. Vitamin K — Beriberi
D. Vitamin C — Night Blindness

90. Which one of the following gallantry awards is conferred for exceptional peacetime bravery?

A. Vir Chakra
B. Maha Vir Chakra
C. Ashoka Chakra
D. Param Vir Chakra

91. Consider the following statements regarding the Reserve Bank of India:

1) RBI was established in 1935.
2) It issues all currency notes except the one-rupee note.
3) RBI acts as the banker to the Government.
4) RBI was nationalized in 1949.

Which of the statements given above are correct?

A. 2, 3 and 4 only
B. 1, 2 and 3 only
C. 1, 2, 3 and 4
D. 1 and 4 only

92. Which one of the following pairs is correctly matched?

A. Black Revolution — Petroleum Production
B. White Revolution — Fish Production
C. Blue Revolution — Milk Production
D. Golden Revolution — Wheat Production

93. Consider the following statements regarding the Comptroller and Auditor General (CAG) of India:

1) The office of the CAG is established under the Constitution of India.
2) The CAG audits the accounts of the Union and State Governments.
3) The CAG is appointed by the Prime Minister.

4) The CAG can be removed from office in the same manner as a Judge of the Supreme Court.

Which of the statements given above are correct?

A. 1 and 4 only
B. 1, 2 and 4 only
C. 2, 3 and 4 only
D. 1, 2, 3 and 4

94. Match List-I with List-II.

List-I (Organization)	List-II (Headquarters)
A. WHO	1. Geneva
B. IMF	2. Washington, D.C.
C. UNESCO	3. Paris
D. FAO	4. Rome

A. A–1, B–2, C–3, D–4
B. A–3, B–2, C–4, D–1
C. A–1, B–4, C–2, D–3
D. A–2, B–1, C–3, D–4

95. Consider the following statements regarding the G20:

1) India hosted the G20 Summit in 2023.

2) The African Union became a permanent member of the G20 during India's Presidency.

3) The G20 has a permanent secretariat.

4) The European Union is a member of the G20.

Which of the statements given above are correct?

A. 1, 2 and 4 only
B. 2, 3 and 4 only
C. 1 and 3 only
D. 1, 2, 3 and 4

96. Which one of the following pairs is correctly matched?

A. Kandla Port — Gujarat
B. Paradip Port — Andhra Pradesh
C. Chennai Port — Kerala
D. Visakhapatnam Port — Odisha

97. Which one of the following countries is known as the 'Land of the Rising Sun'?

A. China
B. South Korea
C. Japan
D. Thailand

98. Consider the following statements regarding Artificial Intelligence (AI):

1.Machine Learning is a branch of Artificial Intelligence.

2.Deep Learning is a subset of Machine Learning.

3.Natural Language Processing (NLP) enables computers to understand and process human language.

4.Every software application is based on Artificial Intelligence.

Which of the statements given above are correct?

A. 1, 2 and 3 only
B. 1 and 4 only
C. 2, 3 and 4 only
D. 1, 2, 3 and 4

99. With reference to the Light Combat Aircraft (LCA) Tejas, consider the following statements:

1.Tejas is an indigenously developed multirole light fighter aircraft.

2.It has been designed by the Aeronautical Development Agency (ADA).

3.Hindustan Aeronautics Limited (HAL) is responsible for its production.

4.Tejas is a twin-engine fighter aircraft.

Which of the statements given above are correct?

A. 1, 2 and 4 only

B. 2, 3 and 4 only

C. 1, 2 and 3 only

D. 1, 2, 3 and 4

100. Which one of the following fighter aircraft is a fifth-generation fighter currently under development by India?

A. Rafale

B. AMCA (Advanced Medium Combat Aircraft)

C. Mirage-2000

D. Jaguar