

DO NOT BREAK THE SEAL OF THE BOOKLET UNTIL YOU ARE TOLD TO DO SO**SERIES : I****QUESTION BOOKLET****Subjects : General English, General Knowledge & Current Affairs,
General Science including Environmental Studies and Technology****Full Marks : 200****Time Allowed : 2½ Hours***Read the following instructions carefully before you begin to answer the questions.***INSTRUCTIONS TO CANDIDATES**

1. This Booklet contains **100 questions** to be answered in a separate OMR Answer Sheet using Black Ballpoint Pen in the following three Parts :

Part—A	: General English	: 25 questions
Part—B	: General Knowledge & Current Affairs	: 25 questions
Part—C	: General Science including Environmental Studies and Technology	: 50 questions

2. **All** questions are compulsory.
3. You will be supplied the Answer Sheet separately by the Invigilator. You must complete the details of particulars asked for.
4. Answer must be shown by completely blackening the corresponding circle in the Answer Sheet against the relevant question number by Black Ballpoint Pen. OMR Answer Sheet without marking Series shall not be evaluated.

Example :

Suppose the following question is asked :

The Capital of Meghalaya is

- (A) Guwahati
(B) Kohima
(C) Shillong
(D) Delhi

You will have four alternatives in the Answer Sheet for your response corresponding to each question of the Question Booklet as below :

(A) (B) (C) (D)

In the above illustration, if your chosen response is alternative (C), i.e., Shillong, then the same should be marked on the Answer Sheet by blackening the relevant circle with a Black Ballpoint Pen only as below :

(A) (B) (C) (D)

The example shown above is the only correct method of answering.

5. Answer the questions as quickly and as carefully as you can. Some questions may be difficult and others easy. Do not spend too much time on any one question.
6. There will NOT be any negative marking for wrong answers.
7. The Answer Sheet must be handed over to the Invigilator before you leave the Examination Hall.
8. No Rough Work is to be done on the Answer Sheet. Space for Rough Work has been provided in the Question Booklet.

PART—A : GENERAL ENGLISH

(Marks : 50)

Each question carries 2 marks

Directions :

Choose the correct sentences.

1. (i) She is too proud to ask anyone to help her.
(ii) She is so proud that she will not ask anyone to help her.
(iii) She is too proud to ask.
(A) (i) and (ii)
(B) (i) and (iii)
(C) (ii) and (iii)
(D) (i), (ii) and (iii)
2. (i) This box is so heavy that it cannot be lifted.
(ii) This box is heavy cannot be lifted.
(iii) This box is too heavy to lift.
(A) (i) and (ii)
(B) (i) and (iii)
(C) (ii) and (iii)
(D) (i), (ii) and (iii)
3. (i) No mistakes were made.
(ii) We accept our mistakes.
(iii) We accept the mistakes we have made.
(A) (i) and (ii)
(B) (i) and (iii)
(C) (ii) and (iii)
(D) (i), (ii) and (iii)
4. (i) Walking always made him tired.
(ii) He feels like walking whenever he is tired.
(iii) He is always tired when he is walking.
(A) (i) and (ii)
(B) (i) and (iii)
(C) (ii) and (iii)
(D) (i), (ii) and (iii)
5. (i) She could not attend the wedding as she was ill.
(ii) She could not attend the wedding on account of her illness.
(iii) She could not be ill to attend the wedding.
(A) (i) and (ii)
(B) (i) and (iii)
(C) (ii) and (iii)
(D) (i), (ii) and (iii)

Directions :

Read the following passage and answer the questions given below following the instructions.

Poverty begets dependence, and I was admitted as a flatterer to a great man. At first, I was surprised that the situation of a flatterer at a great man's table could be thought disagreeable; there was no great trouble in listening attentively when his lordship spoke, and laughing when he looked round for applause. This even good manners might have obliged me to perform. I found, however, too soon that his lordship was a greater dunce than myself, and from that very moment flattery was at an end. I now rather aimed at setting him right than at receiving his absurdities with submission; to flatter those we do not know is an easy task, but to flatter our intimate acquaintances all whose foibles are in our eye, is drudgery insupportable. Every time I now opened my lips in praise, my falsehood went to my conscience; his lordship soon found me to be very unfit for service. I was, therefore, discharged.

Choose the appropriate antonyms of the following :

6. Obligated

- (A) Uncompelled
- (B) Disloyal
- (C) Committed
- (D) Indentured

7. Dunce

- (A) Idiot
- (B) Genius
- (C) Liar
- (D) Charlatan

8. Flattery

- (A) Censure
- (B) Praise
- (C) Adulation
- (D) Respect

9. Foibles

- (A) Strengths
- (B) Weaknesses
- (C) Failing
- (D) Defect

10. Drudgery

- (A) Effortless
- (B) Humdrum
- (C) Tedious
- (D) Labour

Choose the appropriate meaning of the words given below in the specific context of the passage :

11. Begets

- (A) Cause
- (B) Happen
- (C) Procreate
- (D) Reproduce

12. Applause

- (A) Criticism
- (B) Praise
- (C) Respect
- (D) Encores

13. Absurdities

- (A) Foolishness
- (B) Insanity
- (C) Rationality
- (D) Sense

14. Intimate acquaintances

- (A) Enemies
- (B) Conspirers
- (C) Colleague
- (D) Close associates

15. Falsehood

- (A) False statement
- (B) Red herring
- (C) Trick
- (D) Cock and bull story

Directions :

Choose the correct option to fill in the gaps.

16. He rushed _____ my room, panting for breath.

- (A) from
- (B) into
- (C) onto
- (D) through

17. The child has been missing _____ yesterday.

- (A) from
- (B) since
- (C) by
- (D) till

18. Come and sit _____ me.

- (A) besides
- (B) beside
- (C) to
- (D) on

19. I must start _____ dawn to reach the station in time.

- (A) with
- (B) to
- (C) in
- (D) at

20. Uneasy _____ the head that wears a crown.

- (A) lies
- (B) is
- (C) rest
- (D) lays

Directions :

Choose the correct meaning for the words and phrases given below.

21. Tattletale

- (A) Talk
- (B) Reveal
- (C) Plan
- (D) Speak

22. Comrade

- (A) Soldier
- (B) Enemy
- (C) Policeman
- (D) Terrorist

23. Apprentice

- (A) Trainee
- (B) Lawyer
- (C) Veteran
- (D) Professional

24. Alter

- (A) Modify
- (B) Table
- (C) Adjust
- (D) Change

25. Divan

- (A) Stool
- (B) Chair
- (C) Settee
- (D) Bench

PART—B : GENERAL KNOWLEDGE & CURRENT AFFAIRS

(Marks : 50)

Each question carries 2 marks

26. Who presided over the Lahore Session of the Indian National Congress in 1929?
- (A) Jawaharlal Nehru
(B) Subhas Chandra Bose
(C) Motilal Nehru
(D) Sardar Patel
27. The Ilbert Bill Controversy (1883) arose during the tenure of which Viceroy?
- (A) Lord Lytton
(B) Lord Ripon
(C) Lord Curzon
(D) Lord Canning
28. The Sangam literature is primarily composed in
- (A) Prakrit
(B) Pali
(C) Sanskrit
(D) Tamil
29. The term 'secular' was added to the Preamble by the
- (A) 38th Amendment
(B) 42nd Amendment
(C) 44th Amendment
(D) 52nd Amendment
30. The Doctrine of Eclipse applies to
- (A) Fundamental Rights
(B) Directive Principles
(C) Emergency Provisions
(D) None of the above
31. The International Boundary between India and Sri Lanka is called
- (A) Radcliffe Line
(B) Palk Strait
(C) McMahon Line
(D) Maritime Boundary
32. Dachigam National Park is located in
- (A) Jammu & Kashmir
(B) Himachal Pradesh
(C) Uttarakhand
(D) Sikkim
33. The Repo Rate is decided by the
- (A) Finance Ministry
(B) SEBI
(C) NITI Aayog
(D) RBI

34. The Blue Dot Network is an initiative led by
- (A) UN
 - (B) China
 - (C) USA
 - (D) Russia
35. The Padma Awards are announced on the
- (A) Republic Day
 - (B) Independence Day
 - (C) Gandhi Jayanti
 - (D) Constitution Day
36. Kuchipudi dance form originates from
- (A) Tamil Nadu
 - (B) Andhra Pradesh
 - (C) Kerala
 - (D) Karnataka
37. Which of the following rivers **does not** originate in India?
- (A) Brahmaputra
 - (B) Chenab
 - (C) Ravi
 - (D) Mahanadi
38. NITI Aayog replaced the
- (A) Planning Commission
 - (B) Finance Commission
 - (C) Election Commission
 - (D) UPSC
39. BrahMos is a joint venture between India and which country?
- (A) USA
 - (B) Israel
 - (C) Russia
 - (D) France
40. Which city implemented India's first AI-powered Advanced Traffic Management System on its Expressway?
- (A) Mumbai
 - (B) Delhi
 - (C) Bengaluru
 - (D) Hyderabad
41. Which countries are part of the Quad grouping?
- (A) India, China, Japan, USA
 - (B) India, Japan, USA, Australia
 - (C) India, France, UK, USA
 - (D) India, Russia, Australia, China

42. Which of the following caves is known for bat colonies in Meghalaya?
- (A) Krem Dam
 - (B) Siju Cave
 - (C) Krem Umkseh
 - (D) Krem Mawjymbuin
43. The Dhubri-Phulbari Bridge will connect Meghalaya with which neighboring State?
- (A) Manipur
 - (B) Tripura
 - (C) Assam
 - (D) Arunachal Pradesh
44. What is the name of the zero-waste menstrual hygiene initiative recently launched in Meghalaya?
- (A) Eco Pads
 - (B) She-Rise
 - (C) Green Cycle
 - (D) Hygiene First
45. Which portal was recently launched to integrate 17 agriculture-related schemes?
- (A) Kisan Connect
 - (B) Krishi Mitra
 - (C) Krishi Nivesh Portal
 - (D) PM-Kisan Portal
46. Which country experienced a major volcanic eruption at Mount Aso in 2025?
- (A) Japan
 - (B) Philippines
 - (C) Indonesia
 - (D) Papua New Guinea
47. The 'Astra' missile is
- (A) anti-tank missile
 - (B) air-to-air missile
 - (C) surface-to-air missile
 - (D) intercontinental ballistic missile
48. Which Assamese writer and translator was conferred the Padma Shri in 2025?
- (A) Anil Kumar Boro
 - (B) Gita Upadhyay
 - (C) Reba Kanta Mahanta
 - (D) Nirmala Devi
49. Under the National Broadband Mission 2.0, the target by 2030 is to
- (A) provide 5G coverage in all districts
 - (B) launch satellite-based 6G network
 - (C) offer free public Wi-Fi in urban centers
 - (D) connect 2.7 lakh villages with optical fiber
50. What is the objective of the new Krishi Nivesh Portal launched by the Government of India in 2025?
- (A) To connect farmers with e-commerce platforms
 - (B) To integrate and track multiple agricultural investment schemes
 - (C) To offer crop insurance against natural disasters
 - (D) To provide real-time market prices

PART—C : GENERAL SCIENCE INCLUDING ENVIRONMENTAL STUDIES AND TECHNOLOGY

(Marks : 100)

Each question carries 2 marks

51. In the context of magnetism, the Hall effect refers to
(A) charge movement in a magnetic field
(B) magnetic field variation
(C) magnetic induction
(D) creation of magnetic domains
52. An object is horizontally dragged across the surface by a 100 N force acting parallel to the surface. What is the amount of work done by the force in moving the object through a distance of 8 m?
(A) 100 J
(B) 100 MJ
(C) 800 J
(D) 800 MJ
53. A logic gate performs _____ in a digital circuit.
(A) voltage regulation
(B) data storage
(C) arithmetic operations
(D) Boolean logic functions
54. For the analysis of oxides of nitrogen by Griess-Saltzman method, the set of reagents used is
(A) Sulphanilic acid, AND, H_2O_2 , HNO_3
(B) Sulphamic acid, AND, H_2O_2 , HNO_3
(C) Sulphamic acid, Nicotine, H_2O , HNO_3
(D) Sulphomolybdic acid, AND, H_2O_2 , H_2SO_4
55. The correct pair of the phylum with its general feature is
(A) Annelida—Exoskeleton made of chitin
(B) Mollusca—Closed circulatory system
(C) Arthropod—Notochord present in adults
(D) Echinodermata—Radial symmetry
56. Young's double-slit experiment demonstrates the phenomenon of
(A) interference
(B) polarization
(C) refraction
(D) diffraction
57. Connections that allow for rapid communication between cells by permitting the passage of ions and small molecules are
(A) tight junctions
(B) adherents junctions
(C) gap junctions
(D) desmosomes
58. The determinant of a 2×2 matrix $\begin{bmatrix} 3 & 5 \\ 4 & 7 \end{bmatrix}$ is
(A) -1
(B) 1
(C) 2
(D) 15

59. Nagoya Protocol is related to
 (A) climate change
 (B) ozone depletion
 (C) hazardous waste
 (D) biodiversity
60. The properties of a circuit that cause impedance are
 (A) frequency and conductance
 (B) resistance and reactance
 (C) capacitance and voltage
 (D) conductance and reactance
61. One face of an aluminium cube of edge 2 metres is maintained at 100 °C, and the other end is maintained at 0 °C. Adiabatic walls cover all other surfaces. Find the amount of heat flowing through the cube in 5 seconds.
 (A) 29 kJ (B) 209 kJ
 (C) 200 kJ (D) 900 kJ
62. The main principle behind the Clausius-Clapeyron equation is
 (A) the relationship between equilibrium constant and thermodynamic quantities
 (B) the phase equilibrium of a pure substance
 (C) the entropy of a process
 (D) the variation of sublimation with temperature
63. Which of the following is **not** a type of error in hypothesis testing?
 (A) Type I error
 (B) Type II error
 (C) Size error
 (D) Level of significance error
64. In statistical inference, the theorem that establishes a lower bound on the variance of unbiased estimators is
 (A) Rao-Blackwell theorem
 (B) Cramer-Rao inequality
 (C) Lehmann-Scheffe theorem
 (D) Neyman-Pearson lemma
65. The equation of a circle with centre (2, -3) and radius 5 is
 (A) $(x - 2)^2 + (y + 3)^2 = 25$
 (B) $(x + 2)^2 + (y - 3)^2 = 5$
 (C) $(x - 2)^2 + (y + 3)^2 = 5$
 (D) $(x + 2)^2 + (y - 3)^2 = 25$
66. Which of the following is **not** a *d*-block element?
 (A) Hg
 (B) Ni
 (C) Po
 (D) W
67. The pH of a solution of 10^{-5} M of NaOH is
 (A) 5.0
 (B) 9.0
 (C) 7.2
 (D) 8.0
68. The similarity between sound waves and light waves is that both
 (A) can show polarization
 (B) can pass through even in the absence of any medium
 (C) exhibit interference concept
 (D) are longitudinal waves

69. With reference to anaerobic organisms, which of the following statements is correct?
- 24 ATPs are formed during anaerobic respiration.
 - Respiration occurs in the mitochondria.
 - During this form of respiration, glucose is converted to citric acid.
 - This respiration involves glycolysis.
70. The principle that two closely related species competing for the same resources cannot co-exist indefinitely and the competitively inferior one will be eliminated eventually was stated by
- Gause
 - Connell
 - MacArthur
 - Ehrlich
71. Which of the following statements is **false** about protozoans?
- Sporozoans include organisms like plasmodium which causes malaria.
 - Protozoans are exclusively marine organisms.
 - Ciliated protozoans have a gullet for feeding.
 - A parasitic form of flagellated protozoans causes disease like sleeping sickness.
72. What is the work done in moving a charge of $5 \mu\text{C}$ through a potential difference of 12 V?
- 0.06 J
 - 2.4×10^{-4} J
 - 0.6 J
 - 6.0×10^{-5} J
73. Which of the following freshwater species were newly discovered last year in clean rivers in both Eastern and Western Ghats of India?
- Pseudomonads*
 - Protozoa
 - Bacteria
 - Diatoms
74. "India became the first nation to land a spacecraft on the Lunar South Pole region of the Moon." Which spacecraft mission is associated with this?
- Chandrayaan-1
 - Chandrayaan-2
 - Chandrayaan-3
 - Chandrayaan-4
75. Which of the following statements is **not** true for alkanes?
- They are unsaturated hydrocarbons represented by the formula $\text{C}_n\text{H}_{2n+2}$.
 - They are usually termed as 'Paraffins'.
 - They may be open chain or cyclic in nature.
 - They exhibit the property of isomerism.
76. Which of the following statements is **not** true with reference to Python program?
- It is readable and versatile.
 - It is used to build websites and softwares.
 - It has fast speed and less memory usage.
 - It includes libraries like NumPy and Pandas.

77. Photorespiration is a process that occurs in the chloroplast of plants when
- temperature is high and high light intensity
 - temperature is low and low light intensity
 - temperature is low and high light intensity
 - only high light intensity
78. Protanopia is a condition characterized by
- individuals see only shades of grey
 - inability to distinguish between red and green colours
 - inability to see close objects
 - the formation of cataract in elderly people
79. The Central Pollution Control Board (CPCB) was constituted under which of the following acts?
- The Water (Prevention and Control of Pollution) Cess Act, 1977
 - The Water (Prevention and Control of Pollution) Act, 1974
 - The Environment Protection Act, 1986
 - The Air (Prevention and Control of Pollution) Act, 1981
80. Which of the following is **not** a biofertilizer?
- Rhizobium
 - Azotobacter
 - Nostoc
 - Agrobacterium
81. The acceptable limit for dissolved oxygen (DO) in aquatic ecosystems according to WHO (1993) is
- >5 mg/l
 - ≤ 5 mg/l
 - ≥ 5 mg/l
 - $= 5$ mg/l
82. Silo-Filler's Disease (SFD) is an occupational disease that results from pulmonary exposure to
- toxic cyanide
 - oxides of nitrogen
 - arsenic
 - sulphur dioxide
83. The oxidation state of Mn in KMnO_4 is
- +2
 - +4
 - +6
 - +7
84. The Wildlife Protection Act was enacted in the year
- 1972
 - 1980
 - 1988
 - 1973
85. As per the ISFR (2021), the forest cover in the North-Eastern region of India is approximately
- 70%
 - 72%
 - 65%
 - 80%

86. Consider the following statements :

- (I) The chemical name of vitamin D₃ is cholecalciferol.
- (II) Vitamin D stimulates calcium absorption.
- (III) Vitamin D deficiency leads to bone deformity/rickets.
- (IV) The source of vitamin D is whole grain cereals.

Select the correct answer from the options given below.

- (A) All statements are correct
- (B) Only I and II are correct
- (C) Only I, II and III are correct
- (D) Only I, III and IV are correct

87. The concept of Joint Forest Management does **not** include

- (A) Government works closely with local people to manage forests
- (B) locals use forest resources in response to protecting forest ecosystem
- (C) the infrastructure development at the cost of forest resources
- (D) sustainable conservation of forests

88. Match the following biosphere reserves (List—1) with their locations (List—2) :

List—1

List—2

- | | |
|-------------------------------------|----------------|
| a. Sunderbans Biosphere Reserve | 1. Tamil Nadu |
| b. Nanda Devi Biosphere Reserve | 2. Meghalaya |
| c. Gulf of Mannar Biosphere Reserve | 3. West Bengal |
| d. Nokrek Biosphere Reserve | 4. Uttarakhand |

Select the correct answer from the options given below.

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

89. The inert gas, which is substituted for nitrogen in the air used by deep sea divers for breathing, is

- (A) xenon
- (B) krypton
- (C) argon
- (D) helium

90. Arrange the following important days according to their chronological order from January to December :

1. World Environment Day
2. World Water Day
3. Earth Day
4. National Science Day

Select the correct answer from the options given below.

- (A) 3-4-1-2
- (B) 1-2-3-4
- (C) 4-3-2-1
- (D) 4-2-3-1

91. The Bhabha Atomic Research Center (BARC), the largest atomic research center in India, is located at

- (A) Trombay, Maharashtra
- (B) Gwalior, Madhya Pradesh
- (C) Thane, Maharashtra
- (D) Kaiga, Karnataka

92. Who authored the book *Silent Spring*?
- Charles Darwin
 - Rachel Carson
 - Stephen Hawking
 - Thomas Kuhn
93. 'Kyoto Protocol', an International Treaty adopted in the year 1997, is associated with
- international trade of wildlife
 - currency exchange
 - AIDS control
 - reduction of greenhouse gas emissions
94. A perfect gas obeys
- Boyle's law only
 - Charles' law only
 - Avogadro's law only
 - All of the above
95. The apex body for disaster management in India is
- National Disaster Management Authority
 - Natural Disaster Management Authority
 - National Disaster Monitoring Authority
 - National Disaster Management Agency
96. According to the World Health Organization, which country has reported the highest global burden of cholera in 2024?
- India
 - Egypt
 - Iran
 - Yemen
97. In 2002, the Bureau of Indian Standards revised the seismic zones of India into 4 zones namely
- Zone I, Zone II, Zone III and Zone IV
 - Zone I, Zone III, Zone IV and Zone V
 - Zone II, Zone III, Zone IV and Zone V
 - None of the above
98. The 'IUCN Red List' is a publication that
- lists commercially valuable species
 - documents the geographical distribution of species
 - categorizes species based on their risk of extinction
 - tracks the population of marine species
99. Green hydrogen, enhanced geothermal systems, space-powered solar systems are examples of
- conventional sources of energy
 - emerging sources of energy
 - non-renewable energy sources
 - None of the above
100. The newly appointed Chairman of the Indian Space Research Organization (ISRO) is
- S. Somnath
 - V. Narayanan
 - R. Chidambaram
 - Narendra Modi