



Booklet Series



22/AE/CM/M–2024-03

Question Booklet
GENERAL STUDIES
Paper – III

Booklet Serial No.

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Candidate's Roll Number

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Time Allowed : 01 Hour

Maximum Marks : 100

Read the following instructions carefully before you begin to answer the questions.

IMPORTANT INSTRUCTIONS

1. This Question Booklet contains **50** questions in all.
2. All questions carry equal marks.
3. Attempt **all** questions.
4. An Answer Sheet has been supplied inside the question booklet to mark the answers. **You must write your Roll Number and encode it and write other particulars in the space provided in the Answer Sheet, failing which your Answer Sheet will not be evaluated.**
5. **Immediately after commencement of the examination, you should check up your Question Booklet and attached answer sheet and ensure that the Question Booklet Series is printed on the top left-hand corner of the Booklet and the series encoded in answer sheet are same. Also please check that the Booklet contains 12 printed pages including two pages (Page Nos. 11 and 12) for Rough Work and no page or question is missing or unprinted or torn or repeated or question booklet and answer sheet have different series. If you find any defect in this Booklet and attached answer sheet, get it replaced immediately by a complete Booklet with OMR sheet of the same series.**
6. You must write your Roll Number in the space provided on the top of this page. Do not write anything else on the Question Booklet.
7. Questions and their responses are printed in English version in this Booklet. Each question comprises of **four** responses — (A), (B), (C) and (D). You are to select **ONLY ONE** correct response and mark it in your Answer Sheet. In case you feel that there are more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each question. Your total marks will depend on the number of correct responses marked by you in the Answer Sheet.
8. In the Answer Sheet, there are **four** circles — (A), (B), (C) and (D) against each question. To answer the questions, you are to mark with **Black/Blue ink ballpoint pen ONLY ONE circle** of your choice for each question. Select only one response for each question and mark it in your Answer Sheet. If you mark more than one circle for one question, the answer will be treated as wrong. **Use Black/Blue ink ballpoint pen only to mark the answer in the Answer Sheet. Any erasure or change is not allowed.**
9. You should not remove or tear off any sheet from the Question Booklet. You are not allowed to take this Question Booklet and the Answer Sheet out of the Examination Hall during the examination. **After the examination has concluded, you must hand over your Answer Sheet to the Invigilator.** Thereafter, you are permitted to take away the Question Booklet with you.
10. Failure to comply with any of the above instructions will render you liable to such action or penalty as the Commission may decide at their discretion.
11. Candidates must assure before leaving the Examination Hall that their Answer Sheets will be kept in Self Adhesive LDPE Bag and completely packed/sealed in their presence.



1. Which States have pledged to promote peace and resolve their border dispute as of August 9, 2024 ?

(A) Punjab and Haryana
(B) Uttar Pradesh and Bihar
(C) Mizoram and Assam
(D) Maharashtra and Gujarat



2. Which of the following is the default mode for windows to start ?

(A) Command prompt
(B) Safe mode
(C) Normal mode
(D) None of these

3. The number of significant figures in 6.02×10^{23} is

(A) 26
(B) 4
(C) 23
(D) 3



4. Which Athlete won two gold medals at the Paris 2024 Paralympic Games ?

(A) Manish Narwal
(B) Mona Agarwal
(C) Mariyappan Thangavelu
(D) Avani Lekhara

5. The first electronic computer developed in which year ?

(A) 1846
(B) 1876
(C) 1966
(D) 1946



6. The force per unit charge is known as

(A) Electric space
(B) Electric field
(C) Electric current
(D) Electric potential





7. Which point can be considered as difference between string and list ?

- (A) Accessing individual elements
- (B) Indexing and Slicing



- (C) Length
- (D) Mutability

8. What is the name of India's first privately developed rocket ?

- (A) Bazoomq
- (B) Prarambh
- (C) Vikram-S
- (D) Skyroot

9. Which computer exist in a wide range of size and power ?

- (A) Special purpose computer
- (B) General purpose computer



- (C) Microcomputer
- (D) Embedded computers

10. A Parliamentary Executive means

- (A) Executive that is dependent on support of the majority in the Parliament
- (B) Where the Parliament functions as the Executive
- (C) Executive where there is a Parliament
- (D) Executive elected by the Parliament

11. When steam is converted into water, internal energy of the system

- (A) Becomes zero
- (B) Remains constant
- (C) Increases
- (D) Decreases



12. Which of the following can be used as valid variable identifier(s) in Python ?

- (A) global
- (B) question
- (C) total
- (D) salute





13. According to Lewis concept, an acid is

- (A) proton acceptor
- (B) electron pair acceptor
- (C) proton donor
- (D) electron pair donor

14. What is the total number of districts in Ladakh after the recent creation of five new districts ?

- (A) 5
- (B) 6
- (C) 7
- (D) 9



15. A cricket ball is thrown at speed of 28 ms^{-1} in direction 30° above the horizontal. Calculate the time taken by the ball to return the same level.

- (A) 3.5 s
- (B) 2.9 s
- (C) 2.0 s
- (D) 2.2 s



16. A growth of resources in an economy is shown in PP by

- (A) Rightward Shift
- (B) Leftward Shift
- (C) Unchanged PPC
- (D) None of the above



17. The reaction rate constant can be defined as the rate of reaction when each reactant's concentration is

- (A) Infinite
- (B) Doubled the initial concentration
- (C) Zero
- (D) Unity

18. The pH of a solution of hydrochloric acid is 4. The molarity of the solution is

- (A) 0.04
- (B) 0.0001
- (C) 4.0
- (D) 0.4





19. The position of an object moving along x-axis is given by $x = a + bt^2$ where $a = 8.5 \text{ m}$, $b = 2.5 \text{ ms}^{-2}$ and t is measured in seconds. What is the average velocity between $t = 2.0 \text{ s}$ and $t = 4.0 \text{ s}$?

(A) 20 ms^{-1}

(B) 11 ms^{-1}



(C) 10 ms^{-1}

(D) 15 ms^{-1}

20. The famous Mongol military leader, who was the founder of the Yuan Dynasty in China and the grandson of Genghis Khan, was

(A) Hulegu

(B) Qubilai Khan



(C) Tamerlane

(D) Timur

21. What is the primary aim of the Oilfields (Regulation and Development) Amendment Bill, 2024 ?

(A) Decrease imports

(B) Reduce energy security

(C) Increase imports

(D) Boost domestic production



22. Which computer gives the best qualities of both digital and analog computers ?

(A) Hybrid computer

(B) Supercomputer

(C) Analog computer

(D) Mainframe computer



23. The dimension of angular impulse is

(A) $[M^0 L T^0]$

(B) $[M^{-2} L T^0]$

(C) $[M L^2 T^{-1}]$

(D) $[M^{-1} L^2 T^{-1}]$



24. Who gives the instruction to the computer to for performing any kind of action ?

(A) Statement Continue

(B) Sequence

(C) Iteration

(D) Selectional



25. The concept of “terra nullius” was used by European colonizers to justify

(A) Establishment of trading posts

(B) Land appropriation from indigenous people

(C) Forced religious conversion

(D) Slave trade



26. Which organization overseas the India Semiconductor Mission (ISM) ?

(A) National Research Council

(B) Digital India Corporation

(C) Ministry of Electronics

(D) Department of Industry

27. The significant figures in 0.00051 are

(A) 26

(B) 2

(C) 5

(D) 3



28. The variable declared inside the function is called a variable

(A) external

(B) global

(C) local

(D) none of the above





29. In which year, the 42nd Amendment took place ?

(A) 1992

(B) 1998



(C) 1976

(D) 1990

30. Neutron was discovered by

(A) Priestley

(B) Rutherford

(C) J.J. Thomson

(D) Chadwick

31. Which of the following is true for OHRC with respect to the moon ?

(A) Orientational High Resolving Camera



(B) Orbital Highly Resolution Circle

(C) Orbiter High Resolution Camera

(D) Orbital Height Round Circle

32. The photoelectric effect is based on the law of conservation of

(A) Angular momentum

(B) Mass

(C) Energy

(D) Momentum

33. What is another name for opportunity cost in economics ?

(A) Economic Cost

(B) Total Cost

(C) Economic problem

(D) Marginal Cost



34. Which of the following is an example of utility ?

(A) Antivirus

(B) Word

(C) Data Recovery

(D) Operating system





35. Isotopes of an element have

- (A) Similar physical but different chemical properties
- (B) Similar chemical but different physical properties
- (C) Different chemical and physical properties
- (D) Similar chemical and physical properties



36. While appointing the Prime Minister, the President selects

- (A) Leader of the alliance or party that has the support of the majority in Lok Sabha
- (B) The leader of the largest party in the Rajya Sabha
- (C) Leader of the largest party in the Lok Sabha
- (D) Leader of the largest party in the alliance which secures a majority in the Lok Sabha



37. What happens to the kinetic energy of the emitted electrons when the light is incident on a metal surface ?

- (A) It varies irregularly
- (B) It varies with the speed of light
- (C) It varies with the frequency of light
- (D) It varies with the light intensity



38. Manika Batra is related to which sports ?

- (A) Shooting
- (B) Table Tennis
- (C) Badminton
- (D) Cricket



39. A sequence of statements contained within a pair of braces and is called a

- (A) Block
- (B) Blob
- (C) Brick
- (D) Branch



40. Which is the type of collision in which both the linear momentum and the kinetic energy of the system remain conserved ?

- (A) Destructive collision
- (B) Inelastic collision
- (C) Elastic collision
- (D) None of the above



41. Which two nations signed a historic defense cooperation treaty on 20th August 2024 ?

- (A) Australia and the Philippines
- (B) Australia and Indonesia
- (C) Australia and New Zealand
- (D) Australia and Japan

42. By which Amendment, the age of retirement of High Court Judges increased from 60 to 62 years ?

- (A) 20th Amendment
- (B) 18th Amendment
- (C) 16th Amendment
- (D) 15th Amendment



43. Which of the following pairs represents isobars ?

- (A) $^{40}\text{K}_{19}$ and $^{39}\text{K}_{19}$
- (B) $^{40}\text{K}_{19}$ and $^{40}\text{Ca}_{20}$
- (C) $^3\text{He}_2$ and $^4\text{He}_2$
- (D) $^{24}\text{Mg}_{12}$ and $^{25}\text{Mg}_{12}$

44. Which among the following is a scalar quantity ?

- (A) Velocity
- (B) Momentum
- (C) Force
- (D) Mass



45. The famous ancient Indian ruler who embraced Buddhism and promoted its spread was

- (A) Ashurbanipal
- (B) Harsha
- (C) Chandragupta Maurya
- (D) Asoka





46. Which of the following can be used as the halide component of a Friedel craft reaction ?

(A) Isopropyl chloride

(B) Chloroethene



(C) Chlorobenzene

(D) Bromobenzene

47. Which drugs were banned by the Central Government on August 21, 2024 ?

(A) Multivitamins only

(B) Antibiotics only

(C) Painkillers only

(D) Fixed Dose Combinations

48. The unit of spring constant is

(A) Ns^{-2}



(B) Ns

(C) Nm^{-1}

(D) Nm^{-2}

49. The central economy in market research is solved by

(A) Market mechanism

(B) Planning authority



(C) Demand for goods

(D) Supply of goods

50. The volume occupied by a single gas in a mixture at the same temperature and pressure is referred to as the single-gas volume



(A) Total volume of a gas mixture

(B) Absolute volume

(C) Partial volume

(D) None of the above



SPACE FOR ROUGH WORK





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