

Candidate's Roll Number

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D

Serial No.

805424

Question Booklet

GENERAL STUDIES

Time Allowed : 2 Hours

Maximum Marks : 150

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

## IMPORTANT INSTRUCTIONS

1. This Question Booklet contains 150 questions in all.
2. All questions carry equal marks.
3. Attempt all questions.
4. Immediately after commencement of the examination, you should check up your Question Booklet and ensure that the Question Booklet Series is printed on the top right-hand corner of the Booklet. Please check that the Booklet contains 48 printed pages including two pages (Page Nos. 46 and 47) for Rough Work and no page or question is missing or unprinted or torn or repeated. If you find any defect in this Booklet, get it replaced immediately by a complete Booklet of the same series.
5. If there is any sort of mistake either of printing or of factual nature, then out of English and Hindi versions of the questions, the English version will be treated as standard.
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. An Answer Sheet will be supplied to you separately by the Invigilator to mark the answers. You must write your Name, Roll Number, Question Booklet Series and other particulars in the space provided on Page-2 of the Answer Sheet provided, failing which your Answer Sheet will not be evaluated.
8. You should encode your Roll Number and the Question Booklet Series A, B, C or D as it is printed on the top right-hand corner of the Question Booklet with Black/Blue ink ballpoint pen in the space provided on Page-2 of your Answer Sheet. If you do not encode or fail to encode the correct series of your Question Booklet, your Answer Sheet will not be evaluated correctly.
9. Questions and their responses are printed in English and Hindi versions in this Booklet. Each question comprises of five responses—(A), (B), (C), (D) and (E). 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.
10. In the Answer Sheet, there are five circles—(A), (B), (C), (D) and (E) 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.
11. 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.
12. 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.

1. Who established trade relations with Roman empire?

- (A) Cheras
- (B) Western Shakas
- (C) Vakatakas
- (D) Kushanas
- (E) None of the above/More than one of the above

2. The Muslim ruler whose empire was regarded as a part of Dar-ul-Islam was

- (A) Razia
- (B) Iltutmish
- (C) Nasir-ud-Din
- (D) Balban
- (E) None of the above/More than one of the above

3. Who among the following opposed the power of the Khalifa?

- (A) Alauddin Khalji
- (B) Muhammad-bin-Tughluq
- (C) Balban
- (D) Iltutmish
- (E) None of the above/More than one of the above

4. Tughril Khan raised a standard of revolt during whose reign?

- (A) Alauddin Khalji
- (B) Feroz Tughluq
- (C) Khizr Khan
- (D) Balban
- (E) None of the above/More than one of the above

5. Who was the first Mughal ruler who fought against the British?

- (A) Aurangzeb
- (B) Shah Jahan
- (C) Bahadur Shah Zafar
- (D) Jahangir
- (E) None of the above/More than one of the above


6. Which of the following were the social reforms introduced by William Bentinck?

1. Abolition of Sati
2. Abolition of slavery
3. Removal of disabilities due to change of religion
4. Suppression of the organized bands of Thugs.

Choose the correct answer from the codes given below.

- (A) 1, 3 and 4 only
- (B) 1, 2 and 4 only
- (C) 1, 2, 3 and 4
- (D) 1 and 2 only
- (E) None of the above/More than one of the above

7. Sind was conquered and annexed by

- (A) Sleeman .
- (B) Napier 
- (C) Lawrence
- (D) Wellington
- (E) None of the above/More than one of the above

8. In which year, first Census was introduced in India?

- (A) 1901
- (B) 1911
- (C) 1921
- (D) 1872 .
- (E) None of the above/More than one of the above

9. On which date, Sukhdev, Bhagat Singh and Rajguru were hanged?

- (A) 23rd March, 1931 .
- (B) 7th September, 1931
- (C) 4th March, 1931
- (D) 12th November, 1930
- (E) None of the above/More than one of the above

10. Who was the third Satyagrahi of Individual Satyagraha launched by Mahatma Gandhi in 1940?

- (A) Jawaharlal Nehru
- (B) Rajendra Prasad
- (C) Brahma Dutt ' .
- (D) Vinoba Bhave
- (E) None of the above/More than one of the above

11. Who launched secret radio during the Quit India Movement?

- (A) Subhadra Kumari Chauhan
- (B) Sucheta Kripalani
- (C) Annie Besant
- (D) Usha Mehta .
- (E) None of the above/More than one of the above

12. Who was the Physician of Magadh ruler Bimbisara?

- (A) Vijayasena
- (B) Jeevaka -
- (C) Manu
- (D) Shilabhadra
- (E) None of the above/More than one of the above

13. Who was the real founder of Turk rule in Bihar?

- (A) Ibn Bakhtiyar Khilji .
- (B) Ibrahim
- (C) Dariya Khan Noohani
- (D) Malik Husamuddin
- (E) None of the above/More than one of the above

14. Who was the first Indian Governor of Bihar?
- (A) Dr. Shri Krishna Singh  
(B) Brij Kishor Prasad  
(C) B. P. Mandal  
(D) Satyendra Prasanna Sinha  
(E) None of the above/More than one of the above
15. Who were the leaders of Santhal Revolt?
- (A) Sidhu and Kanhu  
(B) Gaurakshni Bhagat and Keshav Chandra Roy  
(C) Shambhunath Pal and Korra Mallaya  
(D) Jara Bhagat and Balaram Bhagat  
(E) None of the above/More than one of the above
16. In which year the Chauri Revolt of Bihar took place?
- (A) 1842  
(B) 1798  
(C) 1784  
(D) 1832  
(E) None of the above/More than one of the above
17. In which year was Orissa separated from Bihar?
- (A) 1936  
(B) 1956  
(C) 2000  
(D) 1912  
(E) None of the above/More than one of the above
18. Where was the first Buddhist Council convened?
- (A) Rajagriha  
(B) Amaravati  
(C) Kanganhalli  
(D) Pataliputra  
(E) None of the above/More than one of the above
19. Which Gupta ruler assumed the throne after killing his elder brother?
- (A) Samudragupta  
(B) Chandragupta II  
(C) Skandagupta  
(D) Shri Gupta  
(E) None of the above/More than one of the above
20. Who laid the foundation of Vardhana dynasty?
- (A) Rajyavardhana  
(B) Adityavardhana  
(C) Prabhakarvardhana  
(D) Pushyabhuti  
(E) None of the above/More than one of the above

21. The Sargasso Sea is a part of the

- (A) Arctic Ocean
- (B) North Atlantic Ocean
- (C) South Atlantic Ocean
- (D) Indian Ocean
- (E) None of the above/More than one of the above

22. What is the boundary line between India and China called?

- (A) Radcliffe Line
- (B) Indira Point
- (C) Durand Line
- (D) McMahon Line
- (E) None of the above/More than one of the above

23. Rajasthan receives very little rain because

- (A) it is too hot
- (B) there is no water available and thus the winds remain dry
- (C) the winds do not come across any barriers to cause the necessary uplift to cool the air
- (D) the monsoon fails to reach this area
- (E) None of the above/More than one of the above

24. Consider the following statements :

1. In India, the Project Tiger was launched in 1973.
2. The theme for National Biodiversity in 2022 is 'Building a shared future for all life'.
3. The Project Tiger is a tiger conservation programme.

Which of the above statements is/are correct?

- (A) 1 and 3 only
- (B) 2 and 3 only
- (C) 1, 2 and 3
- (D) 1 only
- (E) None of the above/More than one of the above

25. For which cultivation Karewas are famous?

- (A) Saffron
- (B) Mango
- (C) Grapes
- (D) Banana
- (E) None of the above/More than one of the above

26. Which State in India is the leading producer of thorium?

- (A) Bihar
- (B) Jharkhand
- (C) Madhya Pradesh
- (D) Kerala
- (E) None of the above/More than one of the above

27. At which of the following places the newsprint paper industry is located?
- (A) Durgapur  
(B) Nepanagar  
(C) Kanpur  
(D) Satana  
(E) None of the above/More than one of the above
28. Where was first coal mine in India mined?
- (A) Raniganj  
(B) Dhanbad  
(C) Asansol  
(D) Jharia  
(E) None of the above/More than one of the above
29. According to the Census of India, 2011, which Scheduled Tribe is largest in India?
- (A) Kol  
(B) Bhil  
(C) Gond  
(D) Santhal  
(E) None of the above/More than one of the above
30. The total geographical area of Bihar State is
- (A) 94316 sq. km  
(B) 94163 sq. km  
(C) 94526 sq. km  
(D) 94200 sq. km  
(E) None of the above/More than one of the above
31. Which river is known as Sorrow of Bihar?
- (A) Ganga  
(B) Kosi  
(C) Sone  
(D) Ghaghra  
(E) None of the above/More than one of the above
32. In which district of Bihar, Telhar Kund Waterfall is located?
- (A) Nawada  
(B) Kaimur  
(C) Rohtas  
(D) Sasaram  
(E) None of the above/More than one of the above
33. Which is the Asia's largest and freshwater oxbow lake in Bihar?
- (A) Kanwar Lake  
(B) Anupam Lake  
(C) Kusheshwar Lake  
(D) Ghogha Lake  
(E) None of the above/More than one of the above

34. Which district of Bihar has the largest gold reserve?

(A) Jamui .

(B) Banka

(C) Katihar

(D) Munger

(E) None of the above/More than one of the above

35. Which district of Bihar is known as 'silk city'?

(A) Bhojpur

(B) Bhagalpur .

(C) Banka

(D) Katihar

(E) None of the above/More than one of the above

36. What is the female literacy rate of Bihar as per the Census 2011 of India?

(A) 71.25%

(B) 50.50%

(C) 51.50% .

(D) 61.80%

(E) None of the above/More than one of the above

37. Which is the chief heavenly body of solar system?

(A) Jupiter

(B) Saturn

(C) Sun .

(D) Earth

(E) None of the above/More than one of the above



38. Which elements are abundant in the formation of interior layer of the earth?

(A) Silica and magnesium

(B) Basalt and silica

(C) Nickel and ferrum .

(D) Silica and aluminium

(E) None of the above/More than one of the above

39. Who among the following postulated the concept of geographical cycle of erosion?

(A) W. M. Davis

(B) S. W. Wooldridge .

(C) Kober

(D) A. Holmes

(E) None of the above/More than one of the above

40. In which hemisphere, roaring forties, furious fifties and shrieking sixties are blowing?

(A) Southern Hemisphere .

(B) Eastern Hemisphere

(C) Western Hemisphere

(D) Northern Hemisphere

(E) None of the above/More than one of the above .

41. Generally how many sessions are there in the Lok Sabha?  
 (A) 4  
 (B) 5  
 (C) 6  
 (D) 3  
 (E) None of the above/More than one of the above
42. Who was the Chairman of the First Law Commission in Independent India?  
 (A) Justice V. K. Sundaram  
 (B) Justice T. V. Venkatarama Aiyar  
 (C) Mr. M. C. Setalvad  
 (D) Justice J. L. Kapur  
 (E) None of the above/More than one of the above
43. If 'One Nation One Election' is to be realized in India, which Article of the Indian Constitution will require an amendment?  
 (A) Article 172  
 (B) Article 356  
 (C) Article 246  
 (D) Article 83  
 (E) None of the above/More than one of the above
44. Which State *does not* have Panchayat system?  
 (A) Mizoram  
 (B) Meghalaya  
 (C) Kerala  
 (D) Nagaland  
 (E) None of the above/More than one of the above
45. The division of each State into territorial constituencies for the Lok Sabha is done by the Delimitation Commission. This delimitation has been freezed till which year?  
 (A) 2025  
 (B) 2026  
 (C) 2027  
 (D) 2024  
 (E) None of the above/More than one of the above
46. The Supreme Court is a  
 (A) protector of human rights  
 (B) final interpreter of the Constitution  
 (C) civil court  
 (D) federal court  
 (E) None of the above/More than one of the above
47. To review the financial position of Panchayats, the State Government constitutes every five years a/an  
 (A) finance committee  
 (B) advisory commission  
 (C) advisory committee  
 (D) finance commission  
 (E) None of the above/More than one of the above
48. What is the objective of community development?  
 (A) Build human capital  
 (B) Environment protection  
 (C) Harmonious life  
 (D) Economic development  
 (E) None of the above/More than one of the above
49. Electoral College for the 16th Vice Presidential Election of India for 2022 consists of how many members?  
 (A) 788  
 (B) 545  
 (C) 250  
 (D) 798  
 (E) None of the above/More than one of the above
50. The Indian President is eligible for re-election for how many times?  
 (A) Twice  
 (B) Thrice  
 (C) Any number of times  
 (D) Once  
 (E) None of the above/More than one of the above



51. Bhandari Committee is related to  
 (A) indirect taxation  
 (B) agriculture credit  
 (C) regional rural banks' restructuring  
 (D) direct taxation  
 (E) None of the above/More than one of the above
52. Choose the correct statement related to the National Pension Scheme (NPS).  
 (A) NPS is a retirement benefit scheme introduced by the Government of India to facilitate a regular income to all the citizens of India.  
 (B) NPS is regulated by the IRDA.  
 (C) NPS is regulated by the SEBI.  
 (D) NPS is regulated by the Pension Fund Regulatory and Development Authority.  
 (E) None of the above/More than one of the above
53. Which of the following is *not* included in the priorities of India Budget 2022-23?  
 (A) Inclusive development  
 (B) Productivity Enhancement and Investment, Sunrise Opportunities, Energy Transition, and Climate Action  
 (C) Disinvestment  
 (D) PM Gati Shakti  
 (E) None of the above/More than one of the above
54. What was the Tax-GDP ratio in the financial year 2021-22 in India?  
 (A) 11.7%  
 (B) 11.5%  
 (C) 10.9%  
 (D) 12.5%  
 (E) None of the above/More than one of the above
55. What was India's share in World Exports by commodity divisions and groups in 2018?  
 (A) 0.7%  
 (B) 2.1%  
 (C) 1.3%  
 (D) 1.7%  
 (E) None of the above/More than one of the above
56. What was the total production of wheat in India as per the 4th advance estimates in the year 2020-21?  
 (A) 209.5 million tonnes  
 (B) 501.5 million tonnes  
 (C) 201.23 million tonnes  
 (D) 109.5 million tonnes  
 (E) None of the above/More than one of the above
57. Choose the correct statement regarding the Vibrant Village Programme.  
 (A) It is for the Maharashtra State of India.  
 (B) It was started in the year 2017.  
 (C) It is for the development of border villages on the northern border.  
 (D) It is for the development of roads connectivity in Bihar.  
 (E) None of the above/More than one of the above
58. Choose the *incorrect* statement as per the Economic Survey of Bihar, 2021-22.  
 (A) The secondary sector in Bihar had grown at 4.8 per cent.  
 (B) The tertiary sector in Bihar had grown at the highest rate of 8.5 per cent.  
 (C) The primary sector in Bihar had grown at 2.8 per cent.  
 (D) The primary sector in Bihar had grown at 2.3 per cent.  
 (E) None of the above/More than one of the above

59. Choose the correct order of the following districts of Bihar as per the ascending level of urbanization.

- (A) Nalanda < Patna < Munger
- (B) Patna < Munger < Nalanda
- (C) Munger < Nalanda < Patna
- (D) Nalanda < Munger < Patna
- (E) None of the above/More than one of the above

60. The fiscal deficit is expected to be \_\_\_\_\_ of GSDP of Bihar for the financial year 2022-23.

- (A) 12.1%
- (B) 3.47%
- (C) 9.89%
- (D) 3.18%
- (E) None of the above/More than one of the above

61. Choose the option which is *not* part of the 'Saat Nischay Part-2 Scheme' of Bihar.

- (A) Strong woman, capable woman
- (B) Irrigation water to every field
- (C) Airways to everyone
- (D) Yuva Shakti—Progress of Bihar
- (E) None of the above/More than one of the above

62. Choose the correct order of the Bihar State districts in descending order of per capita income.

- (A) Sheohar > Araria > East Champaran > Kishanganj > Nawada
- (B) East Champaran > Sheohar > Araria > Kishanganj > Nawada
- (C) Araria > Nawada > East Champaran > Sheohar > Kishanganj
- (D) Nawada > Kishanganj > East Champaran > Araria > Sheohar
- (E) None of the above/More than one of the above

63. Which statement is *not* true about the poverty estimates based on the 68th round of NSSO?

- (A) The poverty line defined at ₹ 33.33 per capita per day for urban areas.
- (B) The 21.9 per cent population of India was living below the poverty line.
- (C) The 33.35 per cent population of India was living below the poverty line.
- (D) The poverty line defined at ₹ 27.20 per capita per day for rural areas.
- (E) None of the above/More than one of the above

64. Which of the following partly defines the micro-enterprise in India?

- (A) Annual turnover not more than ₹ 15 crore
- (B) Investment in Plant and Machinery not more than ₹ 1.5 crore
- (C) Annual turnover of more than ₹ 5 crore
- (D) Investment in Plant and Machinery or equipment not more than ₹ 1 crore
- (E) None of the above/More than one of the above

65. Which of the following is *incorrect* regarding the Pradhan Mantri Krishi Sinchai Yojana?

- (A) Construction of well
- (B) Enhancement of recharging of aquifers
- (C) Construction of rain harvesting structures
- (D) Repair and renovate water bodies
- (E) None of the above/More than one of the above

66. Who successfully led the Bardoli Satyagraha?  
 (A) Motilal Nehru  
 (B) J. B. Kripalani  
 (C) Jawaharlal Nehru  
 (D) Vallabhbhai Patel  
 (E) None of the above/More than one of the above
67. Who among the following was *not* a member of the Cabinet Mission sent to India in 1946 AD?  
 (A) Ramsay MacDonald  
 (B) A. V. Alexander  
 (C) Lord Pathick Lawrence  
 (D) Sir Stafford Cripps  
 (E) None of the above/More than one of the above
68. In which year the famous Gandhi-Irwin Pact took place?  
 (A) 1930 AD  
 (B) 1931 AD  
 (C) 1932 AD  
 (D) 1929 AD  
 (E) None of the above/More than one of the above
69. In which Session Indian National Congress passed Complete Independence Resolution?  
 (A) 1924 AD Belgaon  
 (B) 1929 AD Lahore  
 (C) 1931 AD Karachi  
 (D) 1920 AD Nagpur  
 (E) None of the above/More than one of the above
70. Subhas Chandra Bose renamed Nicobar Island as  
 (A) Shaheed Island  
 (B) Balidan Island  
 (C) Navodaya Island  
 (D) Swaraj Island  
 (E) None of the above/More than one of the above
71. In which state is 'Chauri Chaura', where in February 1922 AD a police station was set on fire?  
 (A) Madhya Pradesh  
 (B) Bihar  
 (C) Uttar Pradesh  
 (D) Rajasthan  
 (E) None of the above/More than one of the above
72. In which place Khudiram Bose tried to kill Kingsford?  
 (A) Darbhanga  
 (B) Muzaffarpur  
 (C) Gaya  
 (D) Patna  
 (E) None of the above/More than one of the above
73. During which Movement 'Azad Dasta' was active in Bihar?  
 (A) Non-Cooperation Movement  
 (B) Civil Disobedience Movement  
 (C) Quit India Movement  
 (D) Champaran Satyagraha  
 (E) None of the above/More than one of the above

74. Who was allotted the Portfolio of the Labour Department in the Interim Government's Cabinet of 1946 AD?
- (A) Dr. Rajendra Prasad  
(B) Dr. Anugraha Narayan Singh  
(C) Syed Ali Zaheer  
(D) Jagjivan Ram .  
(E) None of the above/More than one of the above
75. In 1942 AD, on the occasion of which festival Jayaprakash Narayan escaped from Hazaribagh jail?
- (A) Holi  
(B) Dussehra  
(C) Deepawali .  
(D) Baisakhi  
(E) None of the above/More than one of the above
76. Dr. Rajendra Prasad was elected the Chairman of the Constituent Assembly in
- (A) October 1946 AD  
(B) November 1946 AD  
(C) December 1946 AD .  
(D) September 1946 AD  
(E) None of the above/More than one of the above
77. Who is known as 'Frontier Gandhi'?
- (A) Shaukat Ali  
(B) Abul Kalam Azad  
(C) Abdul Gaffar Khan .  
(D) M. A. Jinnah  
(E) None of the above/More than one of the above
78. Where was Jhansi Ki Rani Laxmibai died?
- (A) Kanpur  
(B) Gwalior .  
(C) Jhansi  
(D) Lucknow  
(E) None of the above/More than one of the above
79. Who has said about Bengal Partition, "The partition announcement fell like a bomb shell"?
- (A) Gopal Krishna Gokhale  
(B) Bipin Chandra Pal  
(C) Chittaranjan Das  
(D) Surendra Nath Bannerjee .  
(E) None of the above/More than one of the above
80. Sardar Udham Singh killed whom?
- (A) Curzon Wylie .  
(B) Michael O'dwyar .  
(C) Saunders  
(D) General Dyer  
(E) None of the above/More than one of the above

81. A clock is set right at 6 a.m. It gains 10 minutes in 24 hours. What will be the right time when the clock indicates 11 a.m. on the next day?

(A) 48 minutes past 10



(B) 50 minutes past 10

(C) 54 minutes past 10

(D) 10 a.m.

(E) None of the above/More than one of the above

82. At what time between 5 and 6 will the two hands of a watch coincide?

(A) 27 minutes past 5

(B)  $27\frac{3}{11}$  minutes past 5

(C) 28 minutes past 5

(D) 26 minutes past 5

(E) None of the above/More than one of the above

83. Anil and Suman together can do a work in 12 days, which Anil alone can do in 20 days. If Suman alone has to do this work, he will take

(A) 28 days

(B) 29 days

(C) 30 days

(D) 27 days

(E) None of the above/More than one of the above

84. In a class of 55 students, 34 like to play Cricket and 26 like to play Badminton. Also, each student likes to play at least one of the two games. How many students like to play both Cricket and Badminton?

(A) 4

(B) 5

(C) 6

(D) 3

(E) None of the above/More than one of the above

85. What are the two natural numbers whose product is 2400 and the sum of whose squares is 5200?

(A) 80, 30

(B) 75, 32

(C) 60, 40

(D) 120, 20

(E) None of the above/More than one of the above

86. How many numbers between 100 and 500 are divisible by 4, 5 and 6?

(A) 6

(B) 7

(C) 8

(D) 5

(E) None of the above/More than one of the above

87. In a mixture of 70 kg, the ratio of sand and cement is 4 : 1. How much sand should be added to the mixture so that the ratio of sand and cement in it becomes 6 : 1?

(A) 28 kg

(B) 30 kg

(C) 32 kg

(D) 24 kg

(E) None of the above/More than one of the above

88. Shashi loses 25% by selling oranges at the rate of ₹ 150 per dozen. At what rate should she sell them to get a profit of 20%?

(A) ₹ 230 per dozen

(B) ₹ 240 per dozen

(C) ₹ 250 per dozen

(D) ₹ 220 per dozen

(E) None of the above/More than one of the above

89. The lengths of the diagonals of a rhombus are 10 cm and 24 cm. Its perimeter is

(A) 52 cm

(B) 56 cm

(C) 60 cm

(D) 48 cm

(E) None of the above/More than one of the above

90. A train of length 140 m is running at a speed of 60 km/hr and a dog is running in the same direction parallel to the train at a speed of 18 km/hr. The train will cross the dog in

(A) 11 seconds

(B) 12 seconds

(C)  $12\frac{1}{2}$  seconds

(D) 10 seconds

(E) None of the above/More than one of the above

91. What type of lens is used in magnifying glass?

- (A) Plano-concave lens
- (B) Convex lens
- (C) Convex mirror
- (D) Concave lens
- (E) None of the above/More than one of the above



92. The paramagnetic theory of magnetism applies to

- (A) mercury
- (B) iron
- (C) platinum
- (D) nickel
- (E) None of the above/More than one of the above

93. The nucleus of an atom consists of

- (A) electrons and protons
- (B) protons and neutrons
- (C) electrons only
- (D) electrons and neutrons
- (E) None of the above/More than one of the above

94. The metallurgical process in which a metal is obtained in a fused state is called

- (A) roasting
- (B) calcination
- (C) froth floatation
- (D) smelting
- (E) None of the above/More than one of the above

95. Which among the following are constituents of brass?

- (A) Iron and zinc
- (B) Copper and nickel
- (C) Iron and copper
- (D) Zinc and copper
- (E) None of the above/More than one of the above

96. Which among the following is known as quicklime?

- (A)  $\text{CaCO}_2$
- (B)  $\text{Ca(OH)}_2$
- (C)  $\text{CaCl}_2$
- (D)  $\text{CaO}$
- (E) None of the above/More than one of the above

97. What happens to the weight of iron, when it rusts?

- (A) Decreases then increases
- (B) Increases then decreases
- (C) Remains same
- (D) Increases for long time
- (E) None of the above/More than one of the above

98. Which among the following is also known as white metal?

- (A) Rhodium
- (B) Platinum
- (C) Palladium
- (D) Nickel
- (E) None of the above/More than one of the above

99. Consider the following statements with respect to noble metals :

1. Noble metals are found in pure form in nature.
2. Uranium and lead are examples of noble metal.

Which of the above statements is/are correct?

- (A) 2 only
- (B) Both 1 and 2
- (C) Brass is also noble metal
- (D) 1 only
- (E) None of the above/More than one of the above

100. Consider the following statements :

1. Addition of salt to pure water increases the boiling point of water and decreases the freezing point of water.
2. When methyl alcohol is added to water, boiling point of water decreases.

Which of the above statements is/are correct?

- (A) 1 only
- (B) 2 only
- (C) Both 1 and 2
- (D) Salt and methyl alcohol are same in behaviour
- (E) None of the above/More than one of the above

101. Which among the following is the main constituent of biogas?

- (A) Propane
- (B) Butane
- (C) Ethane
- (D) Methane
- (E) None of the above/More than one of the above

102. Which among the following would cause the bright red colour due to bursting of crackers?

- (A) Sodium
- (B) Sulphur
- (C) Magnesium
- (D) Strontium
- (E) None of the above/More than one of the above

103. What are salt-loving plants called?

- (A) Mesophytes
- (B) Glycophytes
- (C) Halophytes
- (D) Xerophytes
- (E) None of the above/More than one of the above

104. Fungi are plants that lack

- (A) carbon dioxide
- (B) chlorophyll
- (C) sunlight
- (D) oxygen
- (E) None of the above/More than one of the above

105. Pollination is best defined as

- (A) germination of pollen grains
- (B) growth of pollen tube in ovule
- (C) visiting flowers by insects
- (D) transfer of pollen grain from anther to stigma
- (E) None of the above/More than one of the above



106. Plants receive their nutrients mainly from
- (A) atmosphere
  - (B) light
  - (C) soil
  - (D) chlorophyll
  - (E) None of the above/More than one of the above
107. Pine, Fir, Spruce, Cedar, Larch and Cypress are the famous timber-yielding plants of which several also occur widely in the hilly regions of India. All these belong to
- (A) gymnosperm
  - (B) monocotyledons
  - (C) dicotyledons
  - (D) angiosperm
  - (E) None of the above/More than one of the above
108. From the following pairs, find the one which is correctly matched.
- (A) Tuberculosis—ATS
  - (B) Tetanus—BCG
  - (C) Malaria—Chloroquine
  - (D) Scurvy—Thiamine
  - (E) None of the above/More than one of the above

109. The animal without red blood cells is
- (A) earthworm
  - (B) snake
  - (C) peacock
  - (D) frog
  - (E) None of the above/More than one of the above
110. The ultimate substance to which the carbohydrates are degraded, is
- (A) glycerol
  - (B) glucose
  - (C) maltose
  - (D) amino acid
  - (E) None of the above/More than one of the above
111. Most of the enzymes are
- (A) lipids
  - (B) acids
  - (C) alkalis
  - (D) proteins
  - (E) None of the above/More than one of the above
112. Who was the first scientist/doctor, who attempted vaccination?
- (A) Robert Koch
  - (B) Elie Metchnikoff
  - (C) Edward Jenner
  - (D) Joseph Lister
  - (E) None of the above/More than one of the above



113. The working principle of a washing machine is
- diffusion
  - centrifugation
  - dialysis
  - reverse osmosis
  - None of the above/More than one of the above
114. The speed of light will be minimum while passing through
- vacuum
  - air
  - glass
  - water
  - None of the above/More than one of the above
115. Which of the following is *not* a vector quantity?
- Velocity
  - Torque
  - Displacement
  - Speed
  - None of the above/More than one of the above
116. If the spinning speed of the earth increases, then the weight of the body at the equator will
- decrease
  - remain same
  - be doubled
  - increase
  - None of the above/More than one of the above
117. Who is the first person to define speed?
- Newton
  - Kepler
  - Ptolemy
  - Galileo
  - None of the above/More than one of the above
118. What is the law in which under the same conditions of temperature and pressure, equal volumes of all gases contain equal number of molecules?
- Graham's law
  - Pascal's law
  - Avogadro's law
  - Coriolis effect
  - None of the above/More than one of the above
119. The 'theory of relativity' is presented by which scientist?
- Isaac Newton
  - Stephen Hawking
  - Marie Curie
  - Albert Einstein
  - None of the above/More than one of the above
120. Due to temperature variation along a conductor, potential variation occurs along it. This phenomenon is known as
- Joule effect
  - Seebeck effect
  - Peltier effect
  - Thomson effect
  - None of the above/More than one of the above

121. Who has become the first player to cross 3000 runs in the T20 International?

- (A) Steve Smith
- (B) Babar Azam
- (C) Mahendra Singh Dhoni
- (D) Virat Kohli
- (E) None of the above/More than one of the above



122. What is the name of the campaign launched to ensure complete COVID-19 vaccination (in June 2022)?

- (A) Atmanirbhar Vaccine Campaign 2-0
- (B) Pradhan Mantri Vaccine Campaign
- (C) Garib Kalyan Vaccine Campaign 2-0
- (D) Har Ghar Dastak Campaign 2-0
- (E) None of the above/More than one of the above

123. Who is the new Chief Minister of Maharashtra after 30th June, 2022?

- (A) Eknath Shinde
- (B) Ashok Chavan
- (C) Sushil Kumar Shinde
- (D) Devendra Fadnavis
- (E) None of the above/More than one of the above

124. Who has started the Har Ghar Tiranga Abhiyan on the occasion of India's 75th Independence Day?

- (A) NITI Aayog
- (B) Indian Army
- (C) Central Government
- (D) Election Commission
- (E) None of the above/More than one of the above

125. Which State has become the first State in the country to initiate the process of implementing the Centre's New Education Policy?

- (A) Haryana
- (B) Rajasthan
- (C) Punjab
- (D) Uttarakhand
- (E) None of the above/More than one of the above

126. Consider the following pairs of the Governors and the Indian States :

<i>State</i>	<i>Governor</i>
1. Rajasthan	Kalraj Mishra
2. Uttar Pradesh	Anandiben Patel
3. West Bengal	Satya Pal Malik
4. Gujarat	Phagu Chauhan

Which of the pairs given above is/are correctly matched?

- (A) 3 and 4 only
- (B) 3 only
- (C) 1, 3 and 4 only
- (D) 1 and 2 only
- (E) None of the above/More than one of the above

127. Which of the following ministries/ organizations has released 'Youth in India Report, 2022'?

- (A) Population Foundation of India
- (B) Ministry of Statistics and Programme Implementation (MoSPI)
- (C) United Nations Population Fund (UNPF)
- (D) Ministry of Health and Family Welfare
- (E) None of the above/More than one of the above

128. Elavenil Valarivan, Shreya Agarwal and Ramita, seen in the news, are associated with which sports?

- (A) Shooting
- (B) Fencing
- (C) Sailing
- (D) Wrestling
- (E) None of the above/More than one of the above

129. Recently who has been assigned the charge of the Ministry of Minority Affairs?

- (A) Amit Shah
- (B) Nirmala Sitharaman
- (C) Piyush Goyal
- (D) Smriti Irani
- (E) None of the above/More than one of the above

130. Who was the candidate of the United Progressive Alliance (UPA) in 15th Presidential Election in India?

- (A) Shatrughan Sinha
- (B) Droupadi Murmu
- (C) Shankar Agarwal
- (D) Yashwant Sinha
- (E) None of the above/More than one of the above

131. Who has received the International Booker Prize for her novel, *Tomb of Sand (Ret Samadhi)*?

- (A) Arundhati Roy
- (B) Anita Desai
- (C) Kiran Desai
- (D) Geetanjali Shree
- (E) None of the above/More than one of the above

132. Who has been awarded with the Dadasaheb Phalke Indian Television Award in 2022 from Bihar?

- (A) Deep Shrestha
- (B) Madan Pande
- (C) Shatrughan Sinha
- (D) Sharad Sinha
- (E) None of the above/More than one of the above

133. According to the Economic Survey of Bihar 2021-22, what is the level of urbanization in the State at present?

- (A) 22.4%  
(B) 15.3%  
(C) 18.6%  
(D) 11.6%  
(E) None of the above/More than one of the above

134. Who is the Brand Ambassador of Khadi in Bihar?

- (A) Rajesh Tiwari  
(B) Manoj Tiwari  
(C) Manoj Vajpayee  
(D) Pawan Singh  
(E) None of the above/More than one of the above

135. In which district of Bihar, the world's tallest (251 m) statue of Mother Sita will be constructed?

- (A) Sitamarhi  
(B) Bodh Gaya  
(C) Patna  
(D) Madhubani  
(E) None of the above/More than one of the above

136. Match List-I with List-II :

List-I

List-II

- |                                     |                       |
|-------------------------------------|-----------------------|
| a. Governor of Bihar                | 1. Mr. Nitish Kumar   |
| b. Chief Justice of Bihar           | 2. Mr. H. R. Srinivas |
| c. Chief Minister of Bihar          | 3. Mr. Sanjay Karol   |
| d. Chief Electoral Officer of Bihar | 4. Mr. Fagu Chauhan   |

Choose the correct answer from the options given below.

(A) a    b    c    d  
      1    2    3    4

(B) a    b    c    d  
      4    3    1    2

(C) a    b    c    d  
      4    2    1    3

(D) a    b    c    d  
      3    2    1    4

(E) None of the above/More than one of the above

137. The 'Operation Prahar' in Bihar is related to

- (A) literacy campaign  
(B) no smoking  
(C) liquor ban  
(D) COVID-19 vaccination  
(E) None of the above/More than one of the above

138. Hrithik Anand from Bihar has won which medal for India at the 24th Summer Deaf Badminton Olympics held in Brazil?
- (A) Silver medal  
(B) Bronze medal  
(C) Platinum medal  
(D) Gold medal  
(E) None of the above/More than one of the above
139. At which place in Bihar, North India's first bird ringing station has been recently opened?
- (A) Saran  
(B) East Champaran  
(C) West Champaran  
(D) Bhagalpur  
(E) None of the above/More than one of the above
140. Which of the following in Bihar started the Vulture's Conservation Plan?
- (A) Rajgir Wildlife Sanctuary  
(B) Valmiki Tiger Reserve  
(C) Kanwar Lake Bird Sanctuary  
(D) Kaimur Tiger Reserve  
(E) None of the above/More than one of the above
141. 'Sunandini Program' is related to the
- (A) Auxiliary Nurse Midwives (ANMs)  
(B) primary health centre's doctors  
(C) members of Gram Panchayat  
(D) Anganwadi workers  
(E) None of the above/More than one of the above
142. Which country's former Prime Minister Shinzo Abe was shot dead during the election campaign in July 2022?
- (A) Japan  
(B) Ukraine  
(C) Sri Lanka  
(D) France  
(E) None of the above/More than one of the above
143. The UN General Assembly has adopted an India-sponsored resolution on multi-lingualism. Which language is mentioned in that for the first time?
- (A) Sanskrit  
(B) Bengali  
(C) Hindi  
(D) Urdu  
(E) None of the above/More than one of the above
144. Who presided an emergency session of the General Assembly to discuss Russia's military operations in Ukraine?
- (A) Volkan Bozkir  
(B) António Guterres  
(C) Kofi Annan  
(D) Abdulla Shahid  
(E) None of the above/More than one of the above

145. India evacuated people as part of which mission to bring Indians from war-hit Ukraine, in February 2022?

- (A) Operation Maitri
- (B) Operation Vijay
- (C) Operation Ganga
- (D) Operation Rakshak
- (E) None of the above/More than one of the above

146. Recently China has claimed rights over territories around the 'Sakteng Wildlife Sanctuary' claiming it as a 'disputed region'. This Wildlife Sanctuary is located in

- (A) Bhutan
- (B) Nepal
- (C) Bangladesh
- (D) Arunachal Pradesh
- (E) None of the above/More than one of the above

147. Which Indian State/UT has been chosen to host the G20 Summit in 2023?

- (A) Gujarat
- (B) Jammu and Kashmir
- (C) Delhi
- (D) Goa
- (E) None of the above/More than one of the above

148. With reference to the UN peacekeeping operations, consider the following statements :

1. UN peacekeepers can use force only for their self-defence.
2. Peacekeeping operations can only be withdrawn by a resolution by the UN Security Council.
3. USA is the largest budget contributor to the UN peacekeeping operations.

Which of the statements given above is/are correct?

- (A) 2 and 3 only
- (B) 3 only
- (C) 1, 2 and 3
- (D) 1 and 2 only
- (E) None of the above/More than one of the above

149. Which country has recently signed a free trade agreement (FTA) with the United Arab Emirates?

- (A) Australia
- (B) Italy
- (C) Pakistan
- (D) Israel
- (E) None of the above/More than one of the above

150. Which country launched its first satellite 'Arktika-M' to monitor the climate of the Arctic?

- (A) China
- (B) Russia
- (C) India
- (D) Japan
- (E) None of the above/More than one of the above