

Paper 3	QUESTION BOOKLET / प्रश्न पुस्तिका		Question Booklet No.
	Jharkhand General Graduate Level Combined Competitive Examination-2023/ झारखण्ड सामान्य स्नातक योग्यताधारी संयुक्त प्रतियोगिता परीक्षा -2023 JGGLCCE- 2023		30233541
	Roll Number/अनुक्रमांक:	<input type="text"/>	Question Booklet Code:
Instructions / निर्देश			A

निम्न निर्देश को सावधानीपूर्वक पढ़ें:

1. अपना अनुक्रमांक, प्रश्न पुस्तिका का क्रमांक एवं कोड को ओ.एम.आर. उत्तर पत्रक पर सावधानीपूर्वक लिखें तथा उचित स्थान पर अपना हस्ताक्षर करें। अपने अनुक्रमांक को प्रश्न पुस्तिका पर लिखें। ओ.एम.आर. उत्तर पत्रक पर अनुक्रमांक, प्रश्न पुस्तिका का क्रमांक, प्रश्न पुस्तिका का कोड और परीक्षार्थी का हस्ताक्षर नहीं रहने पर इसका मूल्यांकन नहीं हो सकेगा और इसे रद्द भी किया जा सकता है।

8. उपयुक्त गोले को पूरी तरह काला कर दें जिसमें उस गोले के अंदर का अक्षर दिखाई न दे। प्रत्येक उत्तर के लिए केवल एक गोले को काला करें। ओ.एम.आर. उत्तर पत्रक पर गोलों को काला करने का सही/ गलत तरीका नीचे के उदाहरण में दिया गया है।

सही तरीका



गलत तरीका



2. केन्द्राधीक्षक / केन्द्र पर्यवेक्षक / कक्ष वीक्षक द्वारा दिए निर्देश तथा प्रश्न पुस्तिका पर लिखे निर्देश का कड़ाई से पालन करें।

9. सीमित समय अवधि को ध्यान में रखते हुए, किसी ऐसे प्रश्न पर अपना समय बर्बाद न करें जो आपको कठिन लगता है। प्रश्नों को एक-एक करके हल करते जाएँ और कठिन प्रश्नों पर अंत में वापस आएँ। यह एक सुझाव मात्र है।

3. परीक्षार्थी को कोई कागज़ नोट्स, पुस्तक, कैलकुलेटर, सेल फोन, स्कैनिंग उपकरणों, पेजर इत्यादि को परीक्षा भवन में लाने की अनुमति नहीं है। कोई परीक्षार्थी इन प्रतिबंधित वस्तुओं का इस्तेमाल करते पाए जाएंगे या जिनके पास से ये चीजें बरामद होंगी, अथवा जो नकल करने या प्रतिरूपण या अन्य अनुचित व्यवहारों में लिप्त पाए जाएंगे, वे अयोग्य करार कर दिए जाएंगे तथा उन पर दण्डात्मक कार्रवाई भी की जा सकती है।

10. ओ.एम.आर. उत्तर पत्रक को मोड़ना / मरोड़ना या उस पर अवांछित निशान लगाना या क्षतिग्रस्त करना या अधूरा या अपूर्ण रूप में भरना मना है। ऐसा करने पर उत्तर पत्रक निरस्त होने की जिम्मेवारी परीक्षार्थी की होगी।

11. कच्चा कार्य के लिए अपने प्रश्न पुस्तिका पर दिए गए जगह का ही इस्तेमाल करें।

4. यह परीक्षा वस्तुनिष्ठ प्रकार की है। इस प्रश्न पुस्तिका में कुल 150 प्रश्न हैं तथा उनके लिए कुल 120 मिनट का समय निर्धारित किया गया है। सभी प्रश्न अनिवार्य हैं तथा प्रत्येक प्रश्नों का पूर्णांक 3 है। प्रत्येक सही उत्तर के लिए 3 अंक मिलेंगे और प्रत्येक गलत उत्तर के लिए 1 अंक की कटौती की जाएगी।

12. परीक्षा के बाद ओ.एम.आर. उत्तर पत्र वीक्षक को सौंप दें। परीक्षार्थियों को परीक्षा समाप्त होने के उपरांत प्रश्न पुस्तिका ले जाने की अनुमति है। परीक्षार्थी ओ.एम.आर. की 'Candidate Copy' वीक्षक से प्राप्त कर अपने साथ ले जा सकते हैं।

5. परीक्षार्थी इसकी जाँच कर लें कि प्रश्न पुस्तिका में 150 प्रश्न हैं, जिसके बहु-वैकल्पिक उत्तर हैं। इसमें यदि किसी प्रकार की त्रुटि दिखाई पड़े तो, आप तुरंत वीक्षक को सूचित करें, ताकि प्रश्न पुस्तिका बदला जा सके।

13. प्रश्न अंग्रेजी और हिंदी दोनों में हैं। यदि कोई भी भ्रम हिंदी संस्करण में उठता है तो, प्रश्न के अंग्रेजी संस्करण को देखें। विवाद की स्थिति में अंग्रेजी संस्करण को प्रामाणिक माना जाएगा।

6. प्रत्येक वस्तुनिष्ठ प्रश्न के चार उत्तर हैं जिसमें एक सही है। आपको सही उत्तर को चुनकर ओ.एम.आर. उत्तर पत्रक के गोले को भरना है, प्रश्न पुस्तिका पर नहीं।

14. यदि कोई भ्रामक/त्रुटिपूर्ण प्रश्न हो तो उसे रफ बर्क शीट पर नोट कर लें। आयोग द्वारा ऐसे प्रश्नों के संबंध में आपत्ति उठाने का उचित अवसर प्रदान किया जाएगा।

7. ओ.एम.आर. उत्तर पत्रक पर बक्से को भरने और गोलों को काला करने के लिए काली स्याही के बॉल प्वाइंट कलम का प्रयोग करें। पेंसिल का उपयोग नहीं करें।

(अंग्रेजी में निर्देश के लिए कृपया अंतिम पृष्ठ देखें / Please see the last page for instructions in English)

GENERAL STUDIES

- Name the first Indian Javelin Thrower to claim a gold medal at the Commonwealth Games 2018.**
(A) Seema Antil (B) Ankur Mittal (C) Neeraj Chopra (D) Annu Rani
- Identify the Five-Year Plan that focused on the goal of "Growth with Stability".**
(A) Second Five-Year Plan (B) Fourth Five-Year Plan (C) First Five-Year Plan (D) Sixth Five-Year Plan
- Which of the following crops enriches the nitrogen content in soil?**
(A) Potato (B) Sorghum (C) Sunflower (D) Pea
- From the sweet edible flowers of which of these trees in Jharkhand is liquor obtained?**
(A) Mahua (B) Bhabar (C) Hibiscus (D) Jasmine
- Which of the following hockey players was awarded with the Rajiv Gandhi Khel Ratna Award?**
(A) Dhanraj Pillay (B) Leslie Claudius (C) Udham Singh (D) All of the options
- Who is the first man to televise pictures of objects in motion?**
(A) Jack Kilby (B) John L Baird (C) John Bardeen (D) Ray Dolby
- Who authored a new book titled "Indian Banking in Retrospect – 75 Years of Independence"?**
(A) Dr. TAMILISAI Soundararajan (B) Dr. Ashutosh Raravikar (C) Prof. Jagadish Mukhi (D) Praful Patel
- Who can participate in the business of Parliament without being a member?**
(A) Vice-President (B) Solicitor General (C) Attorney General (D) Chief Justice
- Who was the last Governor-General of India after independence?**
(A) B. R. Ambedkar (B) Lal Bahadur Shastri (C) Chakravarti Rajagopalachari (D) None of the options
- Mahadev Govind Ranade was a member of the-**
(A) Arya Samaj (B) Prarthana Samaj (C) India League (D) Theosophical Society
- Which of the following books was co-written by Meena Iyer?**
(A) Interpreter of Maladies (B) An Autobiography (C) Education of Muslims (D) I Am No Messiah
- Dassam Garh is also the name of which of these waterfalls in Jharkhand?**
(A) Da-song (B) Dassam Falls (C) Jog Falls (D) Either Da-song or Dassam Falls
- When did the Battle of Udaipur take place?**
(A) 1680 (B) 1780 (C) 1580 (D) 1880
- Who among the following is associated with the Manipuri form of dance?**
(A) Padma Subrahmanyam (B) Sobha Naidu (C) Guru Bipin Singh (D) Birju Maharaj
- The site Harappa is located on the bank of which river?**
(A) Saraswati (B) Indus (C) Beas (D) Ravi

16. _____ is the first non-tribal Chief Minister of Jharkhand who also completed his full term in office.
 (A) Shibu Soren (B) Hemant Soren (C) Biju Patnaik (D) Raghubar Das
17. The _____ stretch(es) from the Mahanadi Valley to the Nilgiris in the south.
 (A) Western Ghats (B) Northern Coast (C) Eastern Ghats (D) Southern Coast
18. Who had been nominated for the prestigious Padma Bhushan award by the Sports Ministry for 2017, but eventually was bestowed in 2020?
 (A) M. S. Dhoni (B) P. V. Sindhu (C) Hardik Pandya (D) Virender Sehwag
19. The Athletics Federation of India (AFI) announced in August 2022 its collaboration with _____ in order to support Indian women athletes.
 (A) HSBC India (B) AB Bank India (C) ANZ India (D) Citibank India
20. The Central Institute for Women in Agriculture is situated in-
 (A) New Delhi (B) Ranchi (C) Bhubaneswar (D) Nagpur
21. Who won the Women's Coach of the Year award in FIH Hockey Stars Awards 2020-2021?
 (A) Mithali Raj (B) Simranjit Kaur (C) Sjoerd Marijne (D) Bhavani Devi
22. Which of the following is the oldest Indian language?
 (A) Telugu (B) Tamil (C) Punjabi (D) Hindi
23. Which of the following languages is NOT spoken in Sikkim?
 (A) Bodo (B) Lepcha (C) Bhutia (D) Nepali
24. The largest public sector bank in India is-
 (A) Central Bank (B) Reserve Bank of India (C) Bank of India (D) State Bank of India
25. In which of the Union Territories does the Panchayati Raj system NOT exist?
 (A) Chandigarh (B) Delhi (C) Daman and Diu (D) Dadra and Nagar Haveli
26. In which of these years was the Sahitya Academy Award NOT conferred for Urdu literature?
 (A) 1976 (B) 1982 (C) 1972 (D) 1975
27. Which of these is a major timber product that Ranchi, in Jharkhand, is endowed with, adding to its economy?
 (A) Hara (B) Gamhar (C) Jasmine (D) Rose flowers
28. Kajli Teej Festival is celebrated in which of the following states?
 (A) Karnataka (B) Meghalaya (C) Kerala (D) Rajasthan
29. Who led the Indian contingent at the 2022 Commonwealth Games opening ceremony?
 (A) Dutee Chand and Srabani Nanda (B) Harmanpreet Kaur and Rajeshwari Gayakwad (C) Neeraj Chopra and Yastika Bhatia (D) P.V. Sindhu and Manpreet Singh
30. Who is known as the Father of SMS?
 (A) Linus Sebastian (B) Robert Scoble (C) Matti Makkonen (D) Kara Swisher

GENERAL SCIENCE

31. Resistance (R) = Voltage(V)/ _____.
 (A) Work (J) (B) Current (I) (C) Power (P) (D) Charge (Q)
32. What is the chemical symbol for nitrogen gas?
 (A) Na (B) N₂ (C) Ni (D) N⁺
33. To which of the following families of elements does potassium belong?
 (A) Noble gases (B) Halogens (C) Alkali metals (D) Alkaline earth metals
34. Silver chloride turns _____ in sunlight.
 (A) Grey (B) White (C) Red (D) Orange
35. What is the force required to keep the object from sliding on a surface with the same speed?
 (A) Static friction (B) Rolling friction (C) Sliding friction (D) Contact friction
36. Citrus fruits are considered a rich source of-
 (A) Vitamin A (B) Vitamin B (C) Vitamin C (D) Vitamin D
37. What is the mass of a unit volume of substance called?
 (A) Pressure (B) Buoyancy (C) Force (D) Density
38. Which of the following gases is evolved when ethanol reacts with sodium?
 (A) Hydrogen (B) Oxygen (C) Methane (D) Chlorine
39. To hear a distinct echo, what is the minimum time interval required between the original sound and the echo?
 (A) 0.01 second (B) 0.4 seconds (C) 0.1 second (D) 0.2 seconds
40. In 10 seconds, a charge of 25 coulombs leaves a battery. How much current flows?
 (A) 0.25 amperes (B) 25 amperes (C) 2.5 amperes (D) 250 amperes
41. In which of the following organs is the "Bowman's Capsule" found?
 (A) Liver (B) Kidney (C) Pancreas (D) Stomach
42. Which of the following is a leguminous plant?
 (A) Pea (B) Cabbage (C) Potato (D) Tomato
43. Which of the following form a set of homologous series?
 (A) Ethyne, propyne and butyne (B) Ethane, methane and ethyne (C) Ethane, methane and propene (D) Ethyne, propyne and butene
44. Which of the following is neither an acid nor a base?
 (A) HCl (B) KCl (C) KOH (D) H₂SO₄
45. The colour of phenolphthalein in an acidic solution is-
 (A) Colourless (B) Pink (C) Yellow (D) Orange
46. Name a device that measures and displays the instantaneous speed of a vehicle.
 (A) Speedometer (B) Lactometer (C) Barometer (D) Hydrometer
47. A concave lens has a focal length of 15 cm. If the object is placed at 30 cm from the lens, what is the image distance?
 (A) -10 cm (B) -15 cm (C) -20 cm (D) -18 cm

48. Which of the following diseases is usually transmitted by mosquitoes?
 (A) Malaria (B) Jaundice (C) Chickenpox (D) Arthritis
49. Which of the following hormones stimulates milk production after child birth?
 (A) Androgen (B) Estrogen (C) Prolactin (D) Progestin
50. Which of the following is used as fuel in cars along with petrol?
 (A) Methane (B) Ethane (C) Butane (D) Ethanol

GENERAL MATHEMATICS

51. Find the area of an isosceles right-angled triangle whose hypotenuse is 8 cm.
 (A) 32 cm² (B) 16 cm² (C) 20 cm² (D) 9 cm²
52. One of the zeroes of the polynomial $2x^2 + 7x - 4$ is-
 (A) 2 (B) 1/2 (C) -1/2 (D) -2
53. In a triangle, if the sum of two of its angles is equal to the third, then the triangle is-
 (A) Equilateral (B) Isosceles (C) Obtuse-angled (D) Right-angled
54. D is the midpoint of the line segment AB. The co-ordinates of A and D are (2, 4) and (-1, 3), respectively. Find the co-ordinates of B.
 (A) (3, 1) (B) (-5, 4) (C) (-4, 2) (D) (4, -5)
55. The factorization of $4x^2 + 8x + 3$ is-
 (A) $(x + 1)(x + 3)$ (B) $(2x + 1)(2x + 3)$ (C) $(2x + 2)(2x + 5)$ (D) $(2x - 1)(2x - 3)$
56. Simplify: $\operatorname{cosec}^2(90 - \theta) - \tan^2\theta + \cos^2(90 - \theta) - \sin^2\theta$
 (A) 1 (B) 2 (C) 0 (D) -2
57. The radii of two cylinders are in the ratio 2 : 3. The ratio of their heights is 5 : 3. Find the ratio of their volumes.
 (A) 10 : 27 (B) 17 : 10 (C) 20 : 27 (D) 17 : 27
58. The difference between the circumference and the diameter of a circle is 105 cm. Find the diameter.
 (A) 44 cm (B) 49 cm (C) 42 cm (D) 35 cm
59. If $a + b = 3$ and $a - b = 1$, then find the value of 'ab'.
 (A) 4 (B) -4 (C) 2 (D) -2
60. Simplify: $\sin 47^\circ \sec 43^\circ + \cos 56^\circ \operatorname{cosec} 34^\circ$
 (A) 2 (B) 1 (C) 0 (D) 1/2
61. If $\sin 2A = \cos(A - 60^\circ)$, then find the value of 'A'.
 (A) 15° (B) 50° (C) 45° (D) 30°
62. The area of a quadrilateral is 420 m². If the perpendiculars drawn to one diagonal from its opposite vertices are 18 m and 12 m, then find the length of the diagonal.
 (A) 24 m (B) 28 m (C) 26 m (D) 15 m
63. If $\sin\theta = 8/17$ and ' θ ' lies in the second quadrant, then find the value of $\cot\theta$.
 (A) 8/15 (B) 15/17 (C) -15/8 (D) -8/15
64. Evaluate: $(x^3 - 3x^2 + 4x - 2) \div (x - 1)$
 (A) $x^2 - 2x - 2$ (B) $x^2 + 2x + 2$ (C) $x^2 - x + 2$ (D) $x^2 - 2x + 2$

65. A chord of length 12 cm is drawn into a circle of radius 10 cm. Find the distance of the chord from the centre.
 (A) 6 cm (B) 8 cm (C) 5 cm (D) 10 cm
66. The circumference of a circle of radius 'r' is equal to the perimeter of a square of side 'x'. Find $r : x$.
 (A) 7 : 11 (B) 7 : 12 (C) 7 : 16 (D) 11 : 7
67. Among these, identify the geometrical shape with the highest number of sides.
 (A) Heptagon (B) Triangle (C) Octagon (D) Square
68. Simplify: $\sin(x + \pi) + \sin(x - \pi)$
 (A) $-2\sin x$ (B) $2\sin x$ (C) $-\sin x$ (D) 0
69. The degree measures of the angles of a triangle are integers. Which of the following CANNOT be their ratio?
 (A) 2 : 3 : 4 (B) 2 : 5 : 7 (C) 3 : 4 : 5 (D) 4 : 5 : 6
70. If the equations $6x - 5y + 11 = 0$ and $15x + ky - 9 = 0$ have no solution, then find the value of 'k'.
 (A) 12.5 (B) 18 (C) -12.5 (D) -18

MENTAL ABILITY TEST

71. Find the ODD one out from the given options.
 (A) Watermelon (B) Lotus (C) Lily (D) Jasmine
72. Pointing to Rakesh, Raj said to Mohan, "He is my father's sister's father's only daughter's son."
 How is Rakesh related to Raj?
 (A) Son (B) Father (C) Cousin (D) Son-in-law
73. In a class of 90, where girls are twice that of boys, Sridhar ranked fourteenth from the top. If there are 10 girls ahead of Sridhar, then how many boys are after him in rank?
 (A) 23 (B) 26 (C) 25 (D) 22
74. Read the following information carefully and answer the question given below.
 'P', 'Q', 'R', 'S', 'T', 'U' and 'W' are seven students playing in a garden. They are wearing clothes of black, blue, white, green, pink, yellow and brown colours. Out of seven, three are girls. No girl is wearing black, yellow, or brown. 'U' is the sister of 'T' and is wearing pink, while 'T' is wearing brown. 'P' is wearing blue, while his sister 'Q' is not wearing green. 'R' is wearing yellow, while his best friend 'W' is a boy.
 What colour of cloth is 'Q' wearing?
 (A) Green (B) Pink (C) White (D) Brown
75. If '20 - 10' means 200, ' $8 \div 4$ ' means 12, ' 6×2 ' means 4 and ' $12 + 3$ ' means 4, then $9 \times 7 = ?$
 (A) 5 (B) 2 (C) 7 (D) 4
76. If in a certain code language, 'DRIVE' is written as 'BPGTC', then how will 'SPOON' be written in that code language?
 (A) QNMML (B) QMNML (C) QNMLM (D) QNNML
77. A class of boys stand in a single line. One boy is seventeenth in order from both the ends. How many boys are there in the class?
 (A) 35 (B) 34 (C) 33 (D) 30

78. Which of the following will best complete the relationship given below?
 $pRSq : tVWu :: iKLj : ?$
 (A) mOPn (B) MOPn (C) mOPN (D) MOPN
79. If 'L' stands for 'x', 'M' stands for '+', 'N' stands for '-' and 'P' stands for '+', then
 $62 P 8 M 4 N 12 L 4 = ?$
 (A) 16 (B) 17 (C) 20 (D) 18
80. If 'blue' is called 'pink', 'pink' is called 'green', 'green' is called 'yellow', 'yellow' is called 'red' and 'red' is called 'white', then what is the colour of turmeric?
 (A) Pink (B) White (C) Red (D) Green
81. Complete the series.
 OTE, PUF, QVG, RWH, (...)
 (A) SYJ (B) TXI (C) SXJ (D) SXI
82. If 'X + Y' means X is the father of Y, 'X - Y' means X is the wife of Y, 'X ÷ Y' means X is the sister of Y, and 'X × Y' means X is the son of Y, then how is S related to F in the expression 'R - S × A ÷ F + P - H'?
 (A) Sister (B) Niece (C) Nephew (D) Brother
83. Complete the series.
 A, C, G, M, (...)
 (A) U (B) Y (C) V (D) X
84. Find the missing number in the following series.
 1, 5, 14, 30, (...), 91
 (A) 45 (B) 55 (C) 46 (D) 60
85. In this question, two statements are given followed by two conclusions. Choose the conclusion(s) which best fit(s) logically.
 Statements:
 1) Some tigers are cats.
 2) All cats are rats.
 Conclusions:
 I. All rats are cats.
 II. Some tigers are rats.
 (A) Only conclusion I follows (B) Only conclusion II follows (C) Neither conclusion I nor II follows (D) Both conclusions I and II follow
86. Choose the pair that shows the same relationship as in the pair given below.
 White : Peace
 (A) Red : Danger (B) Yellow : Blood (C) Black : Sky (D) Green : Water
87. In this question, three statements are given followed by two conclusions. Choose the conclusion(s) which best fit(s) logically.
 Statements:
 1) All liquids are gases.
 2) All clouds are gases.
 3) All solids are gases.
 Conclusions:
 I. Some solids are liquids.
 II. Some clouds are liquids.
 (A) Only conclusion I follows (B) Only conclusion II follows (C) Neither conclusion I nor II follows (D) Both conclusions I and II follow

88. If southeast becomes north, northeast becomes west and so on, then what will west become?
(A) Northeast (B) Northwest (C) Southeast (D) Southwest

89. Read the following question and decide which of the statements is sufficient to answer the question.

Question:

How many students in a class play football?

Statements:

I. Only boys play football.

II. There are forty boys and thirty girls in the class.

- (A) Statement I alone is sufficient while statement II alone is not sufficient to answer the question
(B) Statement II alone is sufficient while statement I alone is not sufficient to answer the question
(C) Either statement I or II is sufficient to answer the question
(D) Both statements I and II together are sufficient to answer the question

90. Kumar walks 25 m towards north, then turns right and walks 25 m, then turns left and walks 30 m, then turns right and walks 25 m, then turns right and walks 55 m, then turns right and walks 40 m. In which direction is he now from the starting point?

- (A) Southwest (B) South (C) Northwest (D) East

COMPUTER KNOWLEDGE

91. Identify the item of computer hardware that is named after a creature.

- (A) Parrot (B) Dog (C) Cat (D) Mouse

92. What is "vlog" with respect to the Internet?

- (A) Vodcast (B) Video log (C) Video blogging (D) All of the options

93. In the basics of internet bandwidth, Mbps stands for-

- (A) Megabytes per second (B) Megabits per second (C) Memory bytes per standard (D) Memory bytes per second

94. The _____ translate(s) a high-level language program to a machine-level language program.

- (A) Compiler (B) Assembler (C) Linker (D) Compiler and assembler

95. Which of the following languages is specifically designed for communicating with a database?

- (A) HTML (B) Spreadsheet (C) Structured query language (D) Filter

96. Which of the following is NOT a correct method of editing the active cell content in MS-Excel?

- (A) Press the Alt key (B) Press the F2 key (C) Click the formula bar (D) Double-click the cell

97. In storage devices, a terabyte contains-

- (A) 1024 kilobytes (B) 1024 megabytes (C) 1024 gigabytes (D) 1024 bytes

98. By default, where does MS-Word display endnotes?

- (A) Header (B) Footer (C) Bottom of the page (D) End of the document

99. In the basics of computers, which of the following is/are used on a computer as a pointing device?

- (A) Computer mouse (B) Touchpad (C) Joystick (D) All of the options

100. Which of the following is/are known as an operating system?
 (A) iOS (B) Android (C) macOS (D) All of the options
101. Which of the following is the file extension associated with presentation programs?
 (A) .ppsm (B) .ppsx (C) .pps (D) All of the options
102. What is the shortcut key used to select all the contents of the file?
 (A) Alt + A (B) Ctrl + A (C) Ctrl + Alt + A (D) Alt + Del + A
103. A website is a collection of-
 (A) Algorithms (B) Charts (C) Programs (D) Web pages
104. If you are using a telephone line, then which device is required for the Internet connection?
 (A) Joystick (B) Modem (C) CD Drive (D) Network interface card
105. A _____ helps with a website's speed in different parts of the world, when a website becomes overloaded.
 (A) Scrapper website (B) Mirror website (C) News website (D) Malicious website
106. A computer CANNOT 'boot' if it does NOT have the-
 (A) Compiler (B) Loader (C) Operating system (D) Assembler
107. In the binary language, each letter of the alphabet, and each special character are made up of a unique combination of _____.
 (A) Eight characters (B) Eight bytes (C) Eight kilobytes (D) Eight bits
108. Which of the following computer input devices is used in video-conferencing?
 (A) OMR (B) OCR (C) Webcam (D) MICR
109. What is the full form of HTTP?
 (A) Hyper Transform Text Protocol (B) Higher Text Transport Protocol (C) Hypertext Transfer Protocol (D) Higher Transport Team Protocol
110. The first two digits of EAN-13 barcode represent the-
 (A) Country (B) Manufacturer's code (C) Product code (D) Check digit

JHARKHAND BASED GENERAL KNOWLEDGE

111. Jharkhand's Navratangarh is also referred to as which of the following names?
 (A) Mandalgarh (B) Doisagarh (C) Rajgarh (D) Pratapgarh
112. Which district of Jharkhand is known as the 'City of Waterfalls'?
 (A) Ranchi (B) Giridih (C) Dumka (D) Gumla
113. Jharkhand was founded by the Bihar Reorganization Act on-
 (A) 11 November 2001 (B) 13 November 1993 (C) 19 November 1997 (D) 15 November 2000
114. The Jharkhand government has launched a unique project which employs blockchain technology for-
 (A) Distribution of newspapers to consumers (B) Distribution of seeds to farmers (C) Distribution of milk from factories (D) Distribution of Aadhar cards

115. Which of the following instruments is called the Jharkhandi violin?
 (A) Algoze (B) Bugchu (C) Dilruba (D) Kendri
116. Which of the following airports is owned by Steel Authority of India Limited and operated by Airport Authority of India?
 (A) Deoghar Airport (B) Chakulia Airport (C) Bokaro Airport (D) Silchar Airport
117. Jharkhand became the second state to launch an employment guarantee scheme for the urban poor after-
 (A) Tamil Nadu (B) Kerala (C) Madhya Pradesh (D) Goa
118. Who was the founder president of the 'Palamu Hindi Sahitya Sammelan'?
 (A) A. B. Vajpayee (B) Havaladhari Ram Gupta 'Haladhar' (C) V. D. Savarkar (D) Mukutdhari Singh
119. _____ is the leading producer of tussar silk in the country.
 (A) Jammu and Kashmir (B) Rajasthan (C) Telangana (D) Jharkhand
120. Which of the following personalities received the Sangeet Natak Akademi Award in 2007 for his contribution to the tribal music and dance of Jharkhand?
 (A) Ram Dayal Munda (B) Himanish Goswami (C) Manoranjan Byapari (D) Shivaji Sawant
121. Hazaribagh and Ranchi are separated by the faulted sedimentary coal-bearing basin of which river?
 (A) Ganga (B) Mahanadi (C) Krishna (D) Damodar
122. Who was the creator of the script known as 'Ol Chiki'?
 (A) Sakharam Ganesh Deuskar (B) Raghunath Murmu (C) Majhi Ramdas Tudu (D) Mukund Nayak
123. The Raksel dynasty established which district of Jharkhand?
 (A) Ramgarh (B) Palamu (C) Hazaribagh (D) Garhwa
124. Under which of the following Indian Cricketers' captaincy did India win the ICC 2011 World Cup?
 (A) Virat Kohli (B) Sourav Ganguly (C) M.S. Dhoni (D) V.V.S Laxman
125. Which of the following states is also called Vananchal?
 (A) Jharkhand (B) Assam (C) Meghalaya (D) Kerala
126. _____ and _____ are the two main folk arts of Jharkhand.
 (A) Kohber and Sohrai (B) Terah taal and Kurjan (C) Devrav and Mandav (D) Thewa and Bihu
127. Jharkhand's Ashakiran Barla won the Women's U-20 (6 km) event in which of the following?
 (A) Summer Olympics 2020 (B) South Asian Cross Country Championships 2022 (C) Commonwealth Games 2021 (D) Indian National Open Athletics Championships 2021
128. Which state is presently producing about 20%-25% of total steel being produced in the country?
 (A) Gujarat (B) Goa (C) Jharkhand (D) Andhra Pradesh
129. What is the full form of JIADA?
 (A) Jharkhand International Administrative Department Authority (B) Jharkhand International Airport Development Authority (C) Jharkhand Industrial Area Development Authority (D) Jharkhand Inter-Association Digital Area

130. Which of the following boxers won gold in the World Women's Boxing Championship held in Norway in 2004?
 (A) Pwilao Basumatary (B) Aruna Mishra (C) Jamuna Boro (D) Sonia Chahal
131. Which of the following is called the 'Shimla of Jharkhand'?
 (A) Dhanbad (B) Teliyagarhi (C) Ranchi (D) Jamshedpur
132. Jharkhand is bordered by which state to the north?
 (A) Uttar Pradesh (B) Rajasthan (C) Manipur (D) Bihar
133. _____ is an artificial reservoir located 15 km from the city of Jamshedpur in the state of Jharkhand.
 (A) Bhimtal lake (B) Pulicat lake (C) Dimna lake (D) Loktak lake
134. Who is the author of Pagha Jori-Jori Re Ghato?
 (A) Salman Rushdie (B) Rohinton Mistry (C) Purushottam Laxman Deshpande (D) Rose Kerketta
135. Who among the following is NOT a renowned hockey player of Jharkhand?
 (A) Asunta Lakra (B) Pushpa Pradhan (C) Purnima Mahato (D) Savitri Purti
136. M.S. Dhoni received the Padma Bhushan award in the year-
 (A) 2018 (B) 2020 (C) 2021 (D) 2022
137. The Jharkhand Seva Ratna award consists of which of the following?
 (A) Silver plaque (B) Golden plaque (C) Cash reward of ₹10 lakh (D) Cash reward of ₹20 lakh
138. Jharkhand can be roughly divided into how many major zones based on raw material deposits and industrialization?
 (A) Two (B) Five (C) Twelve (D) Eight
139. The Bhumij revolt began in the year-
 (A) 1832 (B) 1871 (C) 1845 (D) 1900
140. _____ is a folk dance form popular in the Chota Nagpur region of Jharkhand.
 (A) Pandavani (B) Theyyam (C) Dandiya Raas (D) Janani Jhumar
141. Which scheme in Jharkhand provides clothes at subsidized rates to BPL card holders?
 (A) Chandi-Sobran Dhoti Saree (B) Sona-Sobran Dhoti Saree (C) Chandi-Sobran Shirt and Saree (D) Sona-Sobran Dhoti, Shirt and Saree
142. On the occasion of International Women's Day-2022, Jharkhand CM inaugurated the online Vocational Skills Training Center in Dhanbad under the _____ project.
 (A) Tejaswini (B) Tapaswini (C) Yashashwini (D) Roopatarangini
143. Ektara is one of the _____ instruments which is used in Jharkhand.
 (A) String (B) Leather (C) Woodwind (D) Keyboard
144. Which state is one of the richest mineral zones in the world and has 40% of India's minerals?
 (A) Madhya Pradesh (B) Odisha (C) Assam (D) Jharkhand
145. Which of the following is/are the leading industrialized cities in Jharkhand?
 (A) Ranchi (B) Bokaro (C) Jamshedpur (D) All of the options

146. The best legislator award from the government of Jharkhand contains a cash of-
(A) ₹10000 (B) ₹30000 (C) ₹47000 (D) ₹51000
147. In which year did the government of Jharkhand introduce the "Jharkhand ESDM Policy"?
(A) 2002 (B) 2008 (C) 2014 (D) 2016
148. The book of short stories "The Adivasi Will Not Dance" is authored by-
(A) Manoranjan Byapari (B) Hansda Sowvendra Shekhar (C) Suchitra Bhattacharya (D) Joy Goswami
149. Where is Dalma Wildlife Sanctuary located?
(A) Jamshedpur (B) Bokaro (C) Deoghar (D) Godda
150. Which of the following are major zones based on raw material deposits and industrialization in Jharkhand?
(A) Ranchi Industrial Area (B) Dhanbad-Bokaro Industrial Area (C) Ghatsila Industrial Area (D) All of the options