

FE/CC/PT-2019

Serial No.

8896

Candidate's Roll Number

[Redacted Roll Number]

Question Booklet Series

D

Question Booklet
GENERAL STUDIES

Maximum Marks : 100

Time Allowed : 2 Hours

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

IMPORTANT INSTRUCTIONS

1. This Question Booklet contains 100 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 No., 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.

ध्यान दें : अनुदेशों का हिन्दी रूपान्तर इस पुस्तिका के अन्तिम पृष्ठ पर छपा है।

1. Who established Ashta Pradhan?

- (A) Chandragupta
- (B) Ashoka
- (C) Harshavardhana
- (D) Shivaji
- (E) None of the above/More than one of the above

2. Which Delhi Sultan built maximum number of canals?

- (A) Firuz Shah Tughluq
- (B) Iltutmish
- (C) Balban
- (D) Sikandar Lodi
- (E) None of the above/More than one of the above

3. Who used Hooghly as a base for piracy in the Bay of Bengal?

- (A) The Dutch
- (B) The French
- (C) The Portuguese
- (D) The British
- (E) None of the above/More than one of the above

4. Under whose leadership was suppression of Thugs achieved?

- (A) Lord Clive
- (B) Captain Sleeman
- (C) Lord Minto
- (D) Alexander Burnes
- (E) None of the above/More than one of the above

5. The Viceroy who followed aggressive policy towards Afghanistan was

- (A) Lord Mayo
- (B) Lord Lytton
- (C) Lord Dufferin
- (D) Lord Canning
- (E) None of the above/More than one of the above

6. In 1930, from where Mahatma Gandhi started the Civil Disobedience Movement?

- (A) Wardha
- (B) Dandi
- (C) Sevagram
- (D) Sabarmati
- (E) None of the above/More than one of the above

7. The Sarabandi Campaign of 1922 was led by
 (A) Chittaranjan Das
 (B) Sardar Vallabhbhai Patel
 (C) Rajendra Prasad
 (D) Lala Lajpat Rai
 (E) None of the above/More than one of the above
8. Who was the President of the Indian National Congress at the time of partition of India?
 (A) J. B. Kripalani
 (B) Jawaharlal Nehru
 (C) Maulana Abul Kalam Azad
 (D) C. Rajagopalachari
 (E) None of the above/More than one of the above
9. Who led the 1857 Revolt in Bihar?
 (A) Babu Amar Singh
 (B) Hare Krishna Singh
 (C) Kunwar Singh
 (D) Raja Shahzada Singh
 (E) None of the above/More than one of the above
10. Who led cultivators in Bihar during the Non-cooperation Movement?
 (A) Swami Vidyanand
 (B) Raj Kumar Shukla
 (C) Shri Krishna Singh
 (D) J. B. Sen
 (E) None of the above/More than one of the above
11. Who is considered as the creator of Modern Bihar?
 (A) Sachchidananda Sinha
 (B) Kumar Kalika Prasad Sinha
 (C) Sir Ganesh Singh
 (D) Acharya Narendra Dev
 (E) None of the above/More than one of the above
12. Who formed Bihar Provincial Kisan Sabha?
 (A) Swami Sahajanand Saraswati
 (B) Ram Sundar Singh
 (C) Ganga Sharan Sinha
 (D) Ramanand Mishra
 (E) None of the above/More than one of the above
13. Dutch East India Company established its factory at Patna in which year?
 (A) 1601
 (B) 1632
 (C) 1774
 (D) 1651
 (E) None of the above/More than one of the above
14. Who established Swaraj Dal in Bihar?
 (A) Shri Krishna Singh
 (B) Ramlal Shah
 (C) Bankim Chandra Mitra
 (D) Sachindra Nath Sanyal
 (E) None of the above/More than one of the above

15. The name by which Ashoka is generally referred to in his inscriptions is
- (A) Chakravarti ✓
 - (B) Priyadarshi
 - (C) Dharmadeva
 - (D) Dharmakirti
 - (E) None of the above/More than one of the above
16. Who among the following is known for his work on medicine during the Gupta period?
- (A) Sushruta
 - (B) Saumilla
 - (C) Shudraka
 - (D) Shaunaka
 - (E) None of the above/More than one of the above
17. Which one of the following scripts of ancient India was written from right to left?
- (A) Brahmi
 - (B) Sharada
 - (C) Kharosthi
 - (D) Nandanagari
 - (E) None of the above/More than one of the above
18. Which one of the following ports was in use for the north Indian trade during the Gupta period?
- (A) Kalyan
 - (B) Tamralipti
 - (C) Broach
 - (D) Cambay
 - (E) None of the above/More than one of the above
19. Mughal painting reached its zenith under
- (A) Jahangir
 - (B) Humayun
 - (C) Shahjahan
 - (D) Akbar
 - (E) None of the above/More than one of the above
20. In medieval India, why was Mansabdari system introduced?
- (A) For revenue collection
 - (B) Facilitating recruitment to the army
 - (C) To establish religious harmony
 - (D) Ensuring clean administration
 - (E) None of the above/More than one of the above

21. Which one of the following pairs of Tribe and State is **not** matched?
- (A) Bhils—Gujarat
 - (B) Gaddis—Himachal Pradesh
 - (C) Kotas—Tamil Nadu
 - (D) Todas—Kerala
 - (E) None of the above/More than one of the above
22. Which one of the following industrial/economic corridors of India is being developed in collaboration with Japan?
- (A) Chennai—Vizag
 - (B) Mumbai—Bengaluru
 - (C) Delhi—Mumbai
 - (D) Amritsar—Kolkata
 - (E) None of the above/More than one of the above
23. Which one of the following districts **does not** have Dharwar geological formations?
- (A) Munger
 - (B) Rohtas
 - (C) Jamui
 - (D) Nawada
 - (E) None of the above/More than one of the above
24. The number of districts situated on the bank of Ganga river in Bihar State is
- (A) 21
 - (B) 17
 - (C) 12
 - (D) 6
 - (E) None of the above/More than one of the above
25. Which one of the following wildlife sanctuaries is situated in Munger district of Bihar?
- (A) Valmiki
 - (B) Rajgir
 - (C) Bhimbandh
 - (D) Gautam Buddha
 - (E) None of the above/More than one of the above
26. The district of Bihar which has recorded the highest sex ratio as per the 2011 Census is
- (A) Siwan
 - (B) Gopalganj
 - (C) Saran
 - (D) Kishanganj
 - (E) None of the above/More than one of the above

27. Among the following districts, which one has larger area under dense deciduous forest cover?
- (A) Paschim Champaran
 (B) Gaya
 (C) Kaimur
 (D) Nawada
 (E) None of the above/More than one of the above
28. The district of Bihar which has a longer length of Ganga river is
- (A) Bhagalpur
 (B) Katihar
 (C) Patna
 (D) Begusarai
 (E) None of the above/More than one of the above
29. Which district of Bihar has recorded the highest density of population (per sq. km) as per the 2011 Census?
- (A) Sheohar
 (B) Vaishali
 (C) Patna
 (D) Darbhanga
 (E) None of the above/More than one of the above
30. Which one of the following countries is the largest country without borders in terms of geographical area?
- (A) New Zealand
 (B) Philippines
 (C) Japan
 (D) Cuba
 (E) None of the above/More than one of the above
31. The country which has the longest north-south (latitudinal) extension of its territory is:
- (A) Russia
 (B) Chile
 (C) China
 (D) Brazil
 (E) None of the above/More than one of the above
32. Which one of the following countries has the highest number of islands?
- (A) Philippines
 (B) Indonesia
 (C) Maldives
 (D) Cuba
 (E) None of the above/More than one of the above
33. Among the following countries, which one is the largest producer of saffron in the world?
- (A) Spain
 (B) Greece
 (C) New Zealand
 (D) Iran
 (E) None of the above/More than one of the above

34. Which one of the following countries is the largest producer of uranium in the world?
- (A) Kazakhstan
 (B) Canada
 (C) Australia
 (D) France
 (E) None of the above/More than one of the above
35. The hills situated closer to Kanyakumari are
- (A) Anaimalai Hills
 (B) Nilgiri Hills
 (C) Cardamom Hills
 (D) Shevaroy Hills
 (E) None of the above/More than one of the above
36. Among the following tributaries, which one is the part of Ganga river basin?
- (A) Sankh
 (B) North Koel
 (C) South Koel
 (D) Barakar
 (E) None of the above/More than one of the above
37. Which one of the following hills **does not** have tea plantations?
- (A) Kanan Devan
 (B) Nilgiri
 (C) Darjeeling
 (D) Girnar
 (E) None of the above/More than one of the above
38. In India, the State with the largest area under dense deciduous forest cover is
- (A) Odisha
 (B) Maharashtra
 (C) Madhya Pradesh
 (D) Chhattisgarh
 (E) None of the above/More than one of the above
39. Coral reefs are **not** found in which one of the following regions?
- (A) Gulf of Cambay
 (B) Gulf of Mannar
 (C) Gulf of Kachchh
 (D) Lakshadweep and Minicoy Island
 (E) None of the above/More than one of the above
40. Among the following religious groups, which one has recorded the highest percentage of literacy rate as per the 2011 Census?
- (A) Christians
 (B) Hindus
 (C) Sikhs
 (D) Jains
 (E) None of the above/More than one of the above

41. Which one of the following Indian States has the largest number of members in its State Legislature?

- (A) Arunachal Pradesh
- (B) Himachal Pradesh
- (C) Manipur
- (D) Meghalaya
- (E) None of the above/More than one of the above

42. In the Indian Order of Precedence, who amongst the following comes first?

- (A) The Chairman of UPSC
- (B) The Chief Election Commissioner
- (C) The Comptroller and Auditor General
- (D) The Chief Justice of High Court
- (E) None of the above/More than one of the above

43. Which one of the following statements is correct regarding parliamentary form of Government?

- (A) The Legislature is responsible to Judiciary.
- (B) The Legislature is responsible to Executive.
- (C) The Legislature and the Executive are independent.
- (D) The President is responsible to Judiciary.
- (E) None of the above/More than one of the above

44. Which of the following was constituted under the Panchayati Raj system?

- (A) Khap Panchayat
- (B) Caste Panchayat
- (C) Gram Panchayat
- (D) Jan Panchayat
- (E) None of the above/More than one of the above

45. Who amongst the following is a land record officer?
- (A) Patwari
 - (B) Lambardar
 - (C) Zamindar
 - (D) Zaildar
 - (E) None of the above/More than one of the above
46. Which one of the following characteristics is **not** true for unitary form of Government?
- (A) Swift decision
 - (B) Flexible
 - (C) Ideal for large countries
 - (D) Uniformity of laws
 - (E) None of the above/More than one of the above
47. What is the objective of Community Development Programmes?
- (A) Providing educational facilities
 - (B) Improving standards of living
 - (C) Political training
 - (D) Helping villages in planning
 - (E) None of the above/More than one of the above
48. Aam Admi party is a
- (A) State party
 - (B) national party
 - (C) regional party
 - (D) registered party
 - (E) None of the above/More than one of the above
49. Which one of the following constitutional remedies is also known as 'postmortem'?
- (A) Prohibition
 - (B) Mandamus
 - (C) Certiorari
 - (D) Quo warranto
 - (E) None of the above/More than one of the above
50. What is the version of the machine VVPAT used for voting in India?
- (A) M1
 - (B) Z1
 - (C) M3
 - (D) Z3
 - (E) None of the above/More than one of the above

51. In the fiscal year 2018-19, the total foreign exchange reserves are

(A) ₹ 34,55,882 crores

(B) ₹ 30,55,882 crores

(C) ₹ 32,55,882 crores

(D) ₹ 28,55,882 crores

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

52. Which one of the following is not a source of direct finance?

(A) NABARD

(B) Regional Rural Bank

(C) State Bank of India

(D) Allahabad Bank *

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

53. What is the full form of EPCG?

(A) Export Promotion Consumer Goods

(B) Exchange Programme for Consumer Goods

(C) Export Promotion Capital Goods

(D) Export Programme for Credit Generation

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

54. In Pradhan Mantri Shram Yogi Maan-Dhan Scheme, each subscriber shall receive the minimum assured pension of _____ per month after attaining the age of 60 years.

(A) ₹ 3,500

(B) ₹ 2,000 *

(C) ₹ 3,000

(D) ₹ 1,500

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

55. Who determines the minimum support price in India?

(A) The Commission for Agricultural Costs and Prices

(B) The Agriculture Ministry

(C) The Finance Commission

(D) NABARD

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

56. Hindu growth rate is related to

(A) money

(B) GDP

(C) population

(D) GNP

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

57. In Bihar, 'Krishi Kumbha Mela, 2019' was held in

(A) Champaran

(B) Motihari

(C) Rajgir

(D) Gaya

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

58. In NITI Aayog's Health Index, 2019, Bihar scored

(A) 30-12

(B) 30-13

(C) 32-11

(D) 32-12

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

59. As per the Census 2011, the child sex ratio in Bihar was
- (A) 935
 (B) 934
 (C) 933
 (D) 932
 (E) None of the above/More than one of the above
60. The growth rate of the tertiary sector in Bihar during the year 2017-18 was
- (A) 14.2%
 (B) 14.6%
 (C) 15.6%
 (D) 15.2%
 (E) None of the above/More than one of the above
61. The Gross State Domestic Product (GSDP) of Bihar at current prices in the year 2017-18 was
- (A) ₹ 4,87,628 crores
 (B) ₹ 3,61,504 crores
 (C) ₹ 1,50,036 crores
 (D) ₹ 5,63,424 crores
 (E) None of the above/More than one of the above
62. Which one of the following programmes was initiated during the Sixth Five-Year Plan?
- (A) Integrated Rural Development
 (B) Rural Literacy Development
 (C) Rural Railways
 (D) Advanced Communication Links for Rural People
 (E) None of the above/More than one of the above
63. Antyodaya Programme was started first of all in the State of
- (A) Bihar
 (B) Tamil Nadu
 (C) Andhra Pradesh
 (D) Rajasthan
 (E) None of the above/More than one of the above
64. India's share in meat and meat preparation exports in the year 2017 was
- (A) 5%
 (B) 6%
 (C) 2%
 (D) 3%
 (E) None of the above/More than one of the above
65. The system under which the peasant himself owns the land and is responsible for payment of land revenue to the Government is known as
- (A) Zamindari system
 (B) Ryotwari system,
 (C) Mahalwari system*
 (D) Dahsala system
 (E) None of the above/More than one of the above

66. Which revolutionaries were hanged in the 'Kakori Train Robbery Case'?
- (A) Ram Prasad Bismil and Ashfaqulla
 (B) Veer Savarkar and Vasudev Chapekar
 (C) Prafulla Chandra Chaki and Khudiram Bose
 (D) Surya Sen and Udham Singh
 (E) None of the above/More than one of the above
67. Who wrote the book, *India for Indians*?
- (A) C. R. Das
 (B) M. G. Ranade
 (C) V. D. Savarkar
 (D) S. N. Banerjee
 (E) None of the above/More than one of the above
68. 'Satyashodhak Samaj' was founded by
- (A) Dayanand Saraswati
 (B) Jyotiba Phule
 (C) Gandhiji
 (D) Dr. Baba Saheb Ambedkar
 (E) None of the above/More than one of the above
69. Who was the first woman President of the Indian National Congress?
- (A) Kasturba Gandhi
 (B) Mrs. Annie Besant
 (C) Sarojini Naidu
 (D) Bhakti Laxmi Desai
 (E) None of the above/More than one of the above
70. Who was the first Satyagrahi of the Individual Satyagraha Movement?
- (A) Sarojini Naidu
 (B) C. Rajagopalachari
 (C) Vinoba Bhave
 (D) Subhash Chandra Bose
 (E) None of the above/More than one of the above
71. Who was the founder of the 'India House' in London?
- (A) Shyamji Krishnavarma
 (B) Rash Behari Bose
 (C) Ramchandra
 (D) Taraknath Das
 (E) None of the above/More than one of the above
72. Who led the Salt Satyagraha in Bhagalpur?
- (A) Shri Krishna Singh
 (B) Mahadev Lal Sarraf
 (C) Kumar Mishra
 (D) Satyanarayan
 (E) None of the above/More than one of the above
73. Who led the 'Ambari Satyagraha' in 1939 in Bihar?
- (A) Rahul Sankrityayan
 (B) Yadunandan Sharma
 (C) Swami Sahajanand
 (D) Swami Yoganand
 (E) None of the above/More than one of the above

74. Who wrote the book, *Deshar Katha*?
- (A) Bakharan Ganesh
Deunkat
- (B) Rajendra Prasad
- (C) Nivaran Chandra
- (D) Murali Mohan Prasad
- (E) None of the above/More than one of the above
75. Who was the Editor of *Searchlight* newspaper in Bihar?
- (A) Abdul Bari
- (B) Lambodar Mukherjee
- (C) Murali Mohan Prasad
- (D) Ramananda Chatterjee
- (E) None of the above/More than one of the above
76. Who formed the 'Bihar Socialist Party' in 1931?
- (A) Phulan Prasad Varma
- (B) Swarni Yoganand
- (C) Narnhari Parikh
- (D) Dadabhai Nauroji
- (E) None of the above/More than one of the above

77. Who was the founder of the Indian National Congress?
- (A) William Adam
- (B) A. O. Hume
- (C) Rash Behari Bose
- (D) Motilal Nehru
- (E) None of the above/More than one of the above
78. Who said, "Swaraj is my birthright and I shall have it"?
- (A) Bipin Chandra Pal
- (B) Aurobindo Ghosh
- (C) Bal Gangadhar Tilak
- (D) Subhash Chandra Bose
- (E) None of the above/More than one of the above
79. Rabindranath Tagore gave up his 'Knighthood' because of
- (A) brutal suppression of Civil Disobedience Movement
- (B) execution of Bhagat Singh
- (C) Jallianwala Bagh Tragedy
- (D) Chauri Chaura Incident
- (E) None of the above/More than one of the above
80. Who established the 'Servants of India Society'?
- (A) Lala Lajpat Rai
- (B) Bipin Chandra Pal
- (C) Gopal Krishna Gokhale
- (D) Bhagat Singh
- (E) None of the above/More than one of the above

81. The next term in the sequence

1, 3, 9, 15, 25, 35, 49, ...

- will be
- (A) 80
- (B) 64
- (C) 81
- (D) 63
- (E) None of the above/More than one of the above

82. If $x^2 - y^2 = 7$ and $x - y = 1$, then the length of a diagonal of a rectangle with length and width respectively x cm and y cm will be

- (A) 5 cm
- (B) 6 cm
- (C) 7 cm
- (D) 8 cm
- (E) None of the above/More than one of the above

83. In a class of 80 students, 60% students play carrom, 45% play chess and 10% students neither play carrom nor chess. The number of students who play only chess is

- (A) 36
- (B) 24
- (C) 12
- (D) 8
- (E) None of the above/More than one of the above

84. If

$$x^2 - y^2 = \frac{117}{8} \text{ and } x - y = \frac{3}{2}$$

then the value of $x^2 + xy + y^2$ will be

- (A) 1
- (B) $\frac{5}{8}$
- (C) $\frac{39}{4}$
- (D) $\frac{39}{8}$
- (E) None of the above/More than one of the above

85. If

$$5^{x^2 + 2x + 7} = (125)^{2x + 1}$$

then the value of x is

- (A) 5
- (B) 4
- (C) 3
- (D) 2
- (E) None of the above/More than one of the above

86. If

$$S = \sum_{n=1}^{15} \left(n + \frac{1}{3} \right)$$

then the value of S is

- (A) 125
- (B) $120 + \frac{1}{3}$
- (C) $135 + \frac{1}{3}$
- (D) 130
- (E) None of the above/More than one of the above
87. Two trains, each of length 150 metres, are moving in opposite directions with equal speed of 90 km per hour. The time taken by the trains to cross each other will be
- (A) 3 seconds
- (B) 4.5 seconds
- (C) 6 seconds
- (D) 9 seconds
- (E) None of the above/More than one of the above
88. The number of ways in which 12 identical pens can be distributed between two students, if each student is to get at least two pens, is
- (A) 8
- (B) 9
- (C) 10
- (D) 11
- (E) None of the above/More than one of the above
89. If the radii of circles A and B are in the ratio $1.5 : 1$, then the areas of the circles A and B will be in the ratio
- (A) $1.5 : 1$
- (B) $2 : 1$
- (C) $2.25 : 1$
- (D) $2.5 : 1$
- (E) None of the above/More than one of the above
90. One tap can fill a water tank in 3 hours and another tap can empty it in 4 hours. If the tank is one-third full and both the taps are opened together, then the time taken to fill the tank will be
- (A) 8 hours
- (B) 9 hours
- (C) 10 hours
- (D) 11 hours
- (E) None of the above/More than one of the above

91. Who is regarded as the Father of Modern Chemistry?
- (A) Rutherford
 - (B) Einstein
 - (C) Lavoisier
 - (D) C. V. Raman
 - (E) None of the above/More than one of the above
92. The number of electrons and neutrons in an element is 18 and 20 respectively. Its mass number is
- (A) 22
 - (B) 2
 - (C) 38
 - (D) 20
 - (E) None of the above/More than one of the above
93. Which of the following is also known as laughing gas?
- (A) Nitric oxide
 - (B) Nitrous oxide
 - (C) Nitrogen pentoxide
 - (D) Nitrogen
 - (E) None of the above/More than one of the above
94. Which of the following is not a type of element?
- (A) Metals
 - (B) Nonmetals
 - (C) Gases
 - (D) Metalloids
 - (E) None of the above/More than one of the above
95. The pH value of water is
- (A) 4
 - (B) 7
 - (C) 12
 - (D) 18
 - (E) None of the above/More than one of the above
96. The main component of greenhouse gases is
- (A) carbon dioxide
 - (B) methane
 - (C) nitrous oxide
 - (D) ozone
 - (E) None of the above/More than one of the above
97. Oxygen is absent in
- (A) kerosene
 - (B) glass
 - (C) soil
 - (D) cement
 - (E) None of the above/More than one of the above
98. Natural rubber is a polymer of
- (A) isoprene
 - (B) styrene
 - (C) vinyl acetate
 - (D) propene
 - (E) None of the above/More than one of the above

99. What is the formula of glucose?
(A) $C_6H_{22}O_{11}$
(B) $C_6H_{10}O_5$
(C) $C_6H_{12}O_6$ ✓
(D) $C_6H_6O_6$
(E) None of the above/More than one of the above
100. What is the bond order of CO group?
(A) 1
(B) 2.5
(C) 3.5
(D) 3
(E) None of the above/More than one of the above
101. The book, *The Origin of Species* was written by
(A) Linnaeus
(B) Lamarck
(C) Mendel
(D) Darwin
(E) None of the above/More than one of the above
102. The interaction between algae and fungi to form lichen is called
(A) parasitism
(B) mutualism
(C) commensalism
(D) conversion
(E) None of the above/More than one of the above
103. The actual location or place where an organism lives is called
(A) habitat ✓
(B) ecosystem
(C) niche
(D) biome
(E) None of the above/More than one of the above
104. Solar energy is converted into ATP in
(A) mitochondria ✓
(B) chloroplast
(C) ribosome
(D) peroxisome
(E) None of the above/More than one of the above
105. The by-product of photosynthesis is
(A) CO_2
(B) O_2
(C) energy
(D) sugar
(E) None of the above/More than one of the above
106. The study of bones is done under the branch of science called
(A) geology
(B) serology
(C) orology
(D) osteology ✓
(E) None of the above/More than one of the above

107. Which of the following **does not** have any enzyme in its cells?
(A) Lichen
(B) Virus
(C) Bacteria
(D) Algae
(E) None of the above/More than one of the above
108. In which organ of the human body are the lymphocytes formed?
(A) Liver
(B) Bone marrow
(C) Spleen
(D) Pancreas
(E) None of the above/More than one of the above
109. Which of the following hormones contains iodine?
(A) Testosterone
(B) Adrenaline
(C) Thyroxine
(D) Insulin ✓
(E) None of the above/More than one of the above
110. AIDS is caused by
(A) helminth
(B) bacteria
(C) fungus
(D) virus
(E) None of the above/More than one of the above
111. The unit of pressure is
(A) kg/cm^2
(B) kg/cm
(C) kg/mm
(D) kg/cm^3
(E) None of the above/More than one of the above
112. The sunlight from the sun to the earth reaches in
(A) 5 minutes
(B) 6 minutes
(C) 8 minutes
(D) 10 minutes
(E) None of the above/More than one of the above
113. Which one of the following is a scalar quantity?
(A) Force
(B) Pressure
(C) Velocity
(D) Acceleration
(E) None of the above/More than one of the above
114. Which one of the following quantities **does not** have unit?
(A) ✓ Stress
(B) Force
(C) Strain
(D) Pressure ✓
(E) None of the above/More than one of the above

115. Sound wave in air is

- (A) transverse
- (B) longitudinal
- (C) electromagnetic
- (D) polarized
- (E) None of the above/More than one of the above

116. The value of 50°C in Fahrenheit scale is

- (A) 104°F
- (B) 122°F ✓
- (C) 100°F
- (D) 75°F
- (E) None of the above/More than one of the above

117. What is measured in hertz?

- (A) ✓ Frequency
- (B) Energy
- (C) Heat
- (D) Quality
- (E) None of the above/More than one of the above

118. Body temperature is regulated by

- (A) medulla
- (B) thalamus
- (C) hypothalamus
- (D) cerebellum
- (E) None of the above/More than one of the above

119. The device to measure electric current is

- (A) voltmeter
- (B) ✓ ammeter
- (C) voltameter
- (D) potentiometer
- (E) None of the above/More than one of the above

120. The unit of electric power is

- (A) ampere
- (B) volt
- (C) coulomb
- (D) ✓ watt
- (E) None of the above/More than one of the above

121. Who was the winner of the Men's Singles of the YONEX All England Open Badminton Championships, 2019?
 (A) Viktor Axelsen
 (B) Lin Dan
 (C) Kento Momota
 (D) Shi Yuqi
 (E) None of the above/More than one of the above
122. The five rhino range nations, who signed a declaration 'The New Delhi Declaration on Asian Rhinos, 2019', are India, Nepal, Malaysia, Indonesia and
 (A) Vietnam
 (B) Thailand
 (C) Myanmar
 (D) Bhutan
 (E) None of the above/More than one of the above
123. Who is the second fastest batsman to score 25 centuries in the test format after Sir Don Bradman?
 (A) Virat Kohli
 (B) Mahela Jayawardene
 (C) Kane Williamson
 (D) Steve Smith
 (E) None of the above/More than one of the above
124. In July 2019, the spacecraft Chandrayaan-2 was launched from which Indian State?
 (A) Gujarat
 (B) Andhra Pradesh
 (C) Karnataka
 (D) Maharashtra
 (E) None of the above/More than one of the above
125. After Theresa May, who amongst the following was **not** among the last seven in the contest after the first round of voting in the Conservative Party to be the Prime Minister of the UK?
 (A) Boris Johnson
 (B) Matthew Hancock
 (C) Rory Stewart
 (D) Mark Harper
 (E) None of the above/More than one of the above
126. Where was the Ministerial Meeting of the Coordinating Bureau of Non-Aligned Movement (NAM) held in 2019?
 (A) Venezuela
 (B) Azerbaijan
 (C) Serbia
 (D) Ethiopia
 (E) None of the above/More than one of the above
127. Who was the Permanent Representative of India to the UN before Syed Akbaruddin?
 (A) Hardeep Singh Puri
 (B) Shashi Tharoor
 (C) Asoke Kumar Mukerji
 (D) Nirupam Sen
 (E) None of the above/More than one of the above

128. Who is the Democratic Presidential candidate and the first Hindu member of the US Congress, who sued Google for at least \$50 M for its 'discriminatory actions' against his/her 2020 election campaign?
- (A) Ro Khanna
 (B) Bobby Jindal
 (C) Raja Krishnamoorthi
 (D) Tulsi Gabbard
 (E) None of the above/More than one of the above
129. Who is the author of the book, *A Gallery of Rascals*?
- (A) Arundhati Roy
 (B) Ruskin Bond
 (C) Vikram Seth
 (D) Toni Morrison
 (E) None of the above/More than one of the above
130. The first showroom in India of the retail furniture giant 'Ikea' was opened in which city in 2018?
- (A) Bengaluru
 (B) Hyderabad
 (C) New Delhi
 (D) Mumbai
 (E) None of the above/More than one of the above
131. Where will the Summer Olympic Games be held in 2020?
- (A) Berlin
 (B) Paris
 (C) Tokyo
 (D) Los Angeles
 (E) None of the above/More than one of the above
132. UNESCO inaugurated the celebration of 2019 as the International Year of the Periodic Table of Chemical Elements to celebrate its completion of how many years?
- (A) 100
 (B) 150
 (C) 75
 (D) 50
 (E) None of the above/More than one of the above
133. By passing 'Triple Talaq Law' recently, the Parliament of India endorsed which year's ruling of the Supreme Court of India that had made Triple Talaq (Talaq-e-Biddat) as unconstitutional?
- (A) 2011
 (B) 2013
 (C) 2015
 (D) 2017
 (E) None of the above/More than one of the above
134. Where is the BRICS Summit, 2019 scheduled to be held?
- (A) Brazil
 (B) India
 (C) China
 (D) Russia
 (E) None of the above/More than one of the above
135. Who became the Editor of the newspaper, *The Hindu*, after Mukund Padmanabhan?
- (A) N. Ram
 (B) Siddharth Varadarajan
 (C) Suresh Nambath
 (D) Malini Parthasarathy
 (E) None of the above/More than one of the above

136. Who was the Chief Justice of the Patna High Court who administered the oath of office to Mr. Fagu Chauhan as the Governor of Bihar in July 2019?
- (A) Hon. Mukesh Shah
 (B) Hon. A. P. Sahi
 (C) Hon. Rekha Mantharal Dasht
 (D) Hon. Dipak Misra
 (E) None of the above/More than one of the above
137. What is the significance of 'Bihar Diwas' that is celebrated on March 22 every year?
- (A) On this day, the State Reorganization Commission created Bihar
 (B) Bihar was carved out of United Provinces on this day in 1873
 (C) To commemorate Bihar's separation from Bengal Presidency in 1912
 (D) To celebrate naming of Bihar in 12th century by Muslim rulers
 (E) None of the above/More than one of the above
138. Which one of the following States was *never* granted the Special Category Status (SCS) by the Central Government?
- (A) Bihar
 (B) Sikkim
 (C) Himachal Pradesh
 (D) Jammu and Kashmir
 (E) None of the above/More than one of the above
139. Yusuf Shah Chak, the last Muslim ruler of Kashmir valley, who was exiled to Bihar by the Mughal emperor Akbar, was buried in
- (A) Patliputra
 (B) Hajgh
 (C) Munger
 (D) Nalanda
 (E) None of the above/More than one of the above
140. What is the tagline of Bihar State Tourism Development Corporation?
- (A) Bright Bihar
 (B) Hum Sabka Bihar
 (C) Blissful Bihar
 (D) Bihar is the Best
 (E) None of the above/More than one of the above
141. Prime Minister Narendra Modi recently laid the foundation of Mandal Dam Project to be built on which river?
- (A) Koshi
 (B) Burhi Gandak
 (C) Phalgu
 (D) North Koel
 (E) None of the above/More than one of the above
142. In July 2019, experts visited for the first documentation of a Megalithic site of Bihar in which of the following districts?
- (A) Patna
 (B) Kaimur
 (C) Madhubani
 (D) Banka
 (E) None of the above/More than one of the above

143. Which country was invited by the host UAE as the 'Guest of Honour' to attend 46th Session of the Council of Foreign Ministers of the Organization of Islamic Cooperation (OIC) held in Abu Dhabi recently?
- (A) Pakistan
(B) Oman
(C) India
(D) Turkey
(E) None of the above/More than one of the above
144. Recently, ISRO and CNES signed an agreement to set up a joint maritime surveillance system. CNES is a space agency of which country?
- (A) Russia
(B) Germany
(C) France
(D) Canada
(E) None of the above/More than one of the above
145. What is the capital of Paraguay to which the Vice President of India paid a visit in March 2019?
- (A) Asunción
(B) Zagreb
(C) San José
(D) Managua
(E) None of the above/More than one of the above
146. Where was the 4th Session of the UN Environment Assembly (UNEA-4) held recently?
- (A) Paris—France
(B) Ulaanbaatar—Mongolia
(C) Beijing—China
(D) Nairobi—Kenya
(E) None of the above/More than one of the above
147. Which edition of the Indian Sign Language Dictionary was released by the Government in March 2019?
- (A) First
(B) Second
(C) Third
(D) Fourth
(E) None of the above/More than one of the above
148. Who succeeded Manohar Parrikar as the Chief Minister of Goa on his death recently?
- (A) Sudin Dhavalikar
(B) Nilesh Cabral
(C) Pramod Sawant
(D) Rohan Khaunte
(E) None of the above/More than one of the above
149. Who is the winner of the International Gandhi Peace Prize for 2018?
- (A) Yōhei Sasakawa
(B) Akshaya Patra Foundation
(C) Sulabh International
(D) Ekal Abhiyan Trust
(E) None of the above/More than one of the above
150. World's first camel hospital is located in which city?
- (A) Tehran
(B) Jaipur
(C) Bikaner
(D) Dubai
(E) None of the above/More than one of the above