

PAPER - I

1. *Curcas langa* is the scientific name of which species?
 - (a) Curbin
 - (b) Clavis
 - (c) Turmeric
 - (d) Coriander
2. Bones found in the hands and feet as the percentage of total number of bones in the body of an adult human being is nearly equal to
 - (a) 25%
 - (b) 30%
 - (c) 45%
 - (d) 50%
3. Europeans are believed to have brought potatoes to India in the 16th century. Which region of the world is believed to be the origin of potato cultivation?
 - (a) Eastern-Ghana
 - (b) Southern Peru
 - (c) Portugal
 - (d) West India
4. Cymru is generally considered the oldest inhabited area on Earth. Which country Cymru is located in?
 - (a) Mongolia
 - (b) Russia
 - (c) Greenland
 - (d) Ireland
5. Which gland in the human body is also known as the 'third eye'?
 - (a) Pituitary
 - (b) Pineal
 - (c) Mammary
 - (d) Tear gland
6. Leukaemia is a group of cancers that usually begins in the bone marrow and results in high numbers of which abnormal cells?
 - (a) White blood cell
 - (b) Red blood cell
 - (c) Platelets
 - (d) All of these
7. During an earthquake, two places 'A' and 'B' record its intensity on Richter scale as 4.0 and 4.5 respectively. In absolute terms, the ratio of intensity of the earthquake at 'A' to that of 'B' is
 - (a) 2:3
 - (b) 7:8
 - (c) 10:125
 - (d) 1:100
8. On a cold day in January, the temperature at a place fell below the freezing point and was recorded as 48° centigrade. On Fahrenheit scale, the same temperature would be
 - (a) 32°
 - (b) -8°
 - (c) -48°
 - (d) -73° F
9. Universal Gas Constant, R, is a property of
 - (a) Ideal Gases
 - (b) Halogen Gases
 - (c) Inert Gases
 - (d) All Gases
10. In which place was the 7th Science Congress held in January, 1914?
 - (a) Kolkata
 - (b) Allahabad
 - (c) Chennai
 - (d) Pune
11. The class of elementary particles, bosons, was named after satyendra Nath Bose, an Indian Physicist. Which of the following Indian Scientists graduate from Presidency College Calcutta as a classmate of Satyendra Nath Bose?
 - (a) Jagdish Chandra Bose
 - (b) P.C. Mahalanobis
 - (c) Prabh Chandra Ray
 - (d) Meghnad Saha
12. To which place Aryabhata, the great mathematician, went for advanced studies?
 - (a) Takshshila
 - (b) Pataliputra
 - (c) Kaashi
 - (d) Kanushahi
13. The development of the world's first practical design for an inter Continental Ballistic Missile, A51 10, was undertaken in Nazi Germany during the World War II, it was intended for use in bombing
 - (a) London and other coastal cities of Britain
 - (b) Northern cities of France, including Venice
 - (c) New York and other American cities
 - (d) Invention of USSR of cut off military supply lines to Moscow

14. Homi Jahangir Bhabha, the father of Indian nuclear programme, was also the founding director of which of the following institutes?
- Tata Institute of Fundamental Research
 - Indian Institute of Science
 - Indian Institute of Technology Mumbai
 - Saha Institute of Nuclear Physics, Kolkata
15. Who headed the Satellite Launch Vehicle (SLV) project launched by ISRO in 1979?
- Dr. Vikram Sarabhai
 - Dr. K. Radhakrishnan
 - Dr. A.P.J. Abdul Kalam
 - Dr. C. Madhavan Nair
16. Who was Bhaskara, also known as Bhaskaracharya or Bhaskara II, an Indian Mathematician & astronomer, was born ?
- Ranchipuram
 - Thanjavur
 - Ujjain
 - Madhani
17. The Brahmos, a short range supersonic cruise missile, is a joint venture between which foreign country and Indian agency?
- USA & DRDO
 - UK & DRDO
 - Russia & DRDO
 - Russia & ORISCO
18. If the sum of 60% of a fractional number and the number's square root is 5 greater than one fifth of the number, then the number is
- 6.25
 - 8.25
 - 11.25
 - 2.25
19. If 'Head' appears consecutively in the first three tosses of a fair/unbiased coin, what is the probability of 'Head' appearing in the fourth toss also?
- 1/8
 - 3/8
 - 1/16
 - 1/7
20. Archers 'A' and 'B' take aim at a target if the probability of 'A' hitting the target is 90% and of 'B' missing the target is 90% what is the probability that both 'A' and 'B' miss the target?
- 90%
 - 99%
 - 81%
 - 81%
21. If 12 persons working 12 hours a day dig 12 meters of a tunnel in 12 days how many men are required to dig additional 4 meter of the tunnel (of the same dimension) given that they work 4 hours a day for 4 day?
- 27
 - 4
 - 12
 - 36
22. A man sells an article at a certain price incurring 25% loss. If he had sold the same article for Rs. 20 more he would have earned 20% profit. What was the cost price of the said article?
- 20
 - 40
 - 30
 - 60
23. Numerator of a fraction is increased by 60%, and at the same time its denominator is decreased by 60%. The new fraction is
- 2/30 times the older fraction
 - Equal to the older fraction
 - 4 times the older fraction
 - 0/30 times the older fraction
24. In a triangle ABC, one of the angles is average of the remaining two angles. Which of the following is always true about the triangle ABC?
- Isosceles triangle
 - Equilateral triangle
 - One of its angle measure 60°
 - Right angled triangle
25. If the area of circle 'C' is equal to the area of a square 'S', then the ratio of the square of the perimeter of 'C' to the square of the perimeter of 'S' is nearly equal to
- 22 : 7
 - 11 : 14
 - 88 : 7
 - 1 : 1
26. The last digit of the number 3^{99} is
- 1
 - 3
 - 5
 - 7
27. What is the square root of 49% ?
- 0.7%
 - 70%
 - 70%
 - Undefined
28. $\log(40^2 + 20^2)$ is equal to
- $\log 4$
 - $\log 40 + \log 20$
 - $\log 40 - \log 20$
 - $\log 20$
29. Twelve persons meet in a conference and each shakes hands with all the others. How many handshakes takes place?
- 66
 - 72
 - 344
 - 132
30. A man travels straight to city C from city B in a car at the speed of 40 km/hr. and returns to city B at a faster speed of 60 km/hr. What is his average speed for the round trip?
- 0
 - 48 km/hr
 - 50 km/hr
 - Data insufficient
31. $(7 \times 14 + 21 + 28 \dots + 700)$ is equal to :
- 33390
 - 43714
 - 49420
 - 56797
32. In a group of 5 persons, P is taller than Q, but is shorter than both R and S. Both R and T are taller than Q, but shorter than S. This implies that
- R is taller than P, but shorter than T
 - T is taller than Q, but shorter than R
 - R is taller than Q, but shorter than T
 - S is taller than T while P is shorter than R
33. In a group of Army officers, 62% of officers neither take Coffee nor Tea, while rest of them take either Tea or Coffee or both, If 69% of officers take Tea,

- while 85% take coffee, what percentage of officers take Tea but do not take coffee?
- (a) 02% (b) 30%
(c) 40% (d) 60%
34. The original name of Ho Chi Minh, the President of the Vietnam Democratic Republic, was Nguyen Van Thanh which he later changed to Ho Chi Minh before becoming the President. The literal meaning of Ho Chi Minh is
- (a) He who Leads (b) He Who Fights
(c) He Who Enlightens (d) He Who Protects
35. In which year, Mahatma Gandhi travelled to Champaran in Bihar to inspire the peasants to struggle against the oppressive plantation system?
- (a) 1914 (b) 1915
(c) 1916 (d) 1917
36. With which objective, Ch. Das and Madan Mohan formed the Swadeshi Party within the Congress?
- (a) Sponsor the mass struggles
(b) Forge Hindu Muslim unity
(c) Participate in elections to the provincial councils
(d) Organise legislative protests against Rowlett Act
37. The industrial working class did not participate in the Civil Disobedience Movement in large numbers except in
- (a) Nagpur region (b) Madras region
(c) West region (d) Calcutta region
38. Dr B.R. Ambedkar Clashed with Mahatma Gandhi at the 2nd Round Table Conference demanding:
- (a) Reservation for Dalits in Government jobs
(b) Reservation for Dalits in Ministries
(c) Separate citizen status for Dalits
(d) Separate electorate for Dalits
39. A scene of wrestling match in Neelima's Hanging Gardens was shot by Harishchandra Bhattacharya. A 2 scene India's first movie. It was shot in the year.
- (a) 1896 (b) 1907
(c) 1913 (d) 1925
40. Which famous leader once said, "we would not have made economic progress, if we had not inquired on very personal matters how you live, the noise you make, how you spit..."
- (a) Adolf Hitler, Germany
(b) Ho Chi Minh, Vietnam
(c) Mussolini, Italy
(d) Lee Kuan Yew, Singapore
41. Who brought the printing press for the first time to India in the mid-16th century?
- (a) Dutch cloth merchants
(b) British traders
(c) Portuguese missionaries
(d) Arab manuscript writers
42. Measures in India to impose censorship on printed material were initiated in 1798 by the East India Company. It was directed against
- (a) Bengali social reformers
(b) Englishmen in India
(c) Bengali writers
(d) Indian Princely States
43. Munshi Premchand was born in 1880 and died in the year 1936. His best-known literary work, 'Godan' (The gift of God) was published in
- (a) 1920 (b) 1934
(c) 1936 (d) 1942
44. The caste-system during early Vedic age prohibited
- (a) Inter caste dining
(b) Inter caste marriages
(c) Both
(d) None of these
45. In which year, Thomas up-rose of India's great brands, which was sold to Coca-Cola a few years ago, was launched?
- (a) 1947 (b) 1958
(c) 1979 (d) 1991
46. Which among the below mentioned Upper Palaeolithic places in India is wrongly matched with the state it is located in?
- (a) Bhimbetka, Madhya Pradesh
(b) Betanchohra, Andhra Pradesh
(c) Irangpur, Maharashtra
(d) Singh Bhaura, Himachal Pradesh
47. Kalidasa's 'Kumarsambhavam' describes the story of the birth of which mythological character?
- (a) Sanat Kumar (b) Kartikeya
(c) Pradyuman (d) Abhimanyu
48. Where and when was the 2nd Buddhist Council held?
- (a) Pataliputra in 250 BC.
(b) Sri Lanka in the 1st century BC
(c) Varanasi in 383 BC
(d) Vesaliya in 187 AD
49. In which among the following cases, the Supreme Court of India propounded the theory of basic structure of the constitution?
- (a) Golpari vs. State of Madras
(b) Golak Nath
(c) Keswanand Bharati
(d) Minerva Mills
50. The 52nd amendment to the Constitution of India is most closely related to:
- (a) Extension of Reservation in Government jobs

- (d) Provision for special status to Tripura
(e) Provisions for increasing age of eligibility for voting
31. Which among the following political party of India has and election symbol very similar to the election symbol of Republican Party of USA?
(a) Samajwadi Party
(b) Bahujan Party
(c) Janta Dal
(d) Telugu Desam Party
32. How many members, the President of India can nominate to Lok Sabha & Rajya Sabha, respectively?
(a) 12 & 3
(b) 3 & 12
(c) 11 & 3
(d) 3 & 11
33. Which among the following amendments to the Constitution of India, designated Delhi as National Capital Territory (NCT)?
(a) 69th Amendment Act
(b) 68th Amendment Act
(c) 74th Amendment Act
(d) 76th Amendment Act
34. On 29 August 1947, the Drafting Committee for Indian Constitution was appointed, with Dr B.R. Ambedkar as the Chairman along with six other members. Who among the following was not the member of the Drafting Committee?
(a) N. Gopalswami Aiyangar
(b) Jawahar Lal Nehru
(c) Kanchiiah Mahalingam Iyengar
(d) Alladi Krishnaswami Aiyar
35. Part IV of the Indian Constitution deals with Directive Principles of State Policy. This feature of Indian Constitution was influenced by a similar feature of
(a) Canadian Constitution
(b) Australian Constitution
(c) American Constitution
(d) Irish Constitution
36. Which among the following schedules of the Indian Constitution deals with forms of oaths or affirmations?
(a) 2nd Schedule
(b) 3rd Schedule
(c) 4th Schedule
(d) 5th Schedule
37. Which of the following is not a constitutional provision relating to Government of States?
(a) Same person can be appointed as Governor for two or more States
(b) He shall be appointed by the President
(c) He shall hold office during the pleasure of the President
(d) He should have complete the age of 25 years
38. Which Article of the Indian Constitution deals with special provisions with respect to the states of Maharashtra and Gujarat?
(a) Article 370
(b) Article 371
(c) Article 371-A
(d) Article 371-B
39. Indian Constitution provides for promotion of International peace and security. Which of the following deals with this provision?
(a) Article 51 of the Directive Principles of the State Policy
(b) It is implied by the Preamble of the Indian Constitution
(c) The 12th Schedule of the Indian Constitution
(d) Article 352 empowers the President in this regard
40. Which Article of the Indian Constitution defines the Original jurisdiction of the Supreme Court?
(a) Article 129
(b) Article 130
(c) Article 131
(d) Article 132
41. Government of India recently announced constitution of NITI Aayog as a policy think-tank replacing Planning Commission. NITI stands for
(a) National Institute for Transforming India
(b) It is not an acronym, but only a Sanskrit word for Policy
(c) National Initiative for Technologies India
(d) New Initiative for Transforming India
42. The power to promulgate ordinances during recess of Parliament is vested with
(a) The Council of Ministers
(b) The Parliamentary Standing Committee on Upper Bracket
(c) The President
(d) The Prime Minister
43. In Alternating Current (AC), the direction and magnitude of the current varies
(a) Randomly
(b) Periodically
(c) Exponentially
(d) Do not vary
44. Albert Einstein received the Nobel Prize for physics in the year 1921 for his work on
(a) Mass energy equivalence given by $E=mc^2$
(b) Hydrogen Atom
(c) Theory of Relativity
(d) Photoelectric effect
45. Sir C.V. Raman received the Nobel Prize for Physics in the Year 1930 for his ground breaking work in the field of
(a) Brownian motion
(b) Scattering of light
(c) String Theory
(d) Nuclear Physics
46. Which of the following Indian national has been the recipient of Ramon Magsaysay Award for Community Leadership?
(a) Arvind Kejriwal
(b) Kiran Bedi
(c) T. N. Seshan
(d) Dr. M.S. Swaminathan

66. In which individual event, the 1st Olympic medal for Independent India was won at Helsinki Olympics?
- (a) Archery (b) Boxing
(c) Wrestling (d) Weightlifting
67. The Gini Coefficient is a measure of
- (a) Recent population
(b) Migration rate of Guinean nationals
(c) Income inequality
(d) Ratio of cottage to currency rate
68. Which of the following indices is not considered while calculating Human Development Index (HDI)?
- (a) Life expectancy (b) Education
(c) Housing (d) Income
69. For the financial year 2013-14, what percentage of total tax receipt of the Union Government came from income tax collections?
- (a) Around 55% (b) Around 10%
(c) Around 20% (d) Around 40%
70. India's industrial GDP growth rate for the fiscal year 2013-14 (at the factor cost of 2004-05) is estimate to be around
- (a) 0.35% (b) 1.43%
(c) 2.48% (d) 4.74%
71. As per Census 2011 data, which is the most populated metro city in India?
- (a) Delhi (b) Mumbai
(c) Chennai (d) Kolkata
72. As per Census 2011 data, which among the following States has higher sex ratio than the national average?
- (a) Nagaland (b) Delhi
(c) Arunachal Pradesh (d) Tripura
73. Professor Arvind Panagariya was recently appointed as
- (a) Chairman, University Grants Commission
(b) Vice Chairman, NITI Aayog
(c) Economic Advisor to the Prime Minister
(d) Governor, Reserve Bank of India
74. Till date, 13 serving Heads of State have received Nobel Peace Prize. Only one Head of State received it for literature. Who was he?
- (a) Theodore Roosevelt, President of USA
(b) Eisaku Sato, Prime Minister of Japan
(c) Oscar Arias Sanchez, President of Costa Rica
(d) Winston Churchill, Prime Minister of United Kingdom
75. The Redcliffe line is named after its architect, Sir Cyril Redcliffe. It is a boundary demarcation line between
- (a) Pakistan & Afghanistan (b) India & Britain
(c) India & Pakistan (d) India & Myanmar
76. Which among the following is the oldest mountain range in India?
- (a) The western Ghats
(b) The Aravalli Range
(c) The Satpura Range
(d) The Vindhya Range
77. Which among the following Indian Rivers flows from east to west, eventually meeting the Arabian sea?
- (a) Narmada (b) Godavari
(c) Krishna (d) Kaveri
78. Which of the following National Parks of India is located in one of the north-eastern States? It is also a declared Unesco world Heritage Site.
- (a) Bera (b) Dachigam
(c) Manas (d) Silent Valley
79. Suresh Aravamudan Ray, an Indian author and political activist, was born in
- (a) Shillong (b) Chennai
(c) Thiruvananthapuram (d) Jodhpur
80. Yellow Revolution in India refers to growth of
- (a) Militancy in the north-east
(b) Oilseed production
(c) Advertising industry
(d) Jaundice outbreak
81. French Revolution ended in 1790s with the ascent of
- (a) Rousseau (b) King Louis XV
(c) Napoleon Bonapart (d) Robespierre
82. In which subject did Dr Shabendra Nath Saha, famous physicist and film director of Assam, obtain PhD from University of London?
- (a) Assamese Literature (b) Physics
(c) Mass Communication (d) Mathematics
83. In his youth Adolf Hitler aspired to be a/an
- (a) Architect (b) Painter
(c) Singer (d) Footballer
84. Many of the famous political leaders had a University Degree in Law. Which of the following world leaders didn't have a Degree in Law?
- (a) Nelson Mandela (b) Fidel Castro
(c) Barack Obama (d) John F Kennedy
85. Ernesto Che Guevara, the famous Marxist revolutionary of South America, was born in
- (a) Bolivia (b) Cuba
(c) Argentina (d) Guatemala
86. Charlie Hebdo, the French satirical weekly, first appeared in 1879 as a success to another French magazine that was banned for mocking the death of former French President Charles de Gaulle. What was the name of the banned magazine?
- (a) Le Monde (b) Hara Kiri
(c) La Croix (d) Humaine Hebdo

88. Vasant Govarikar, who passed away recently, was a famous personality in which field?
- (a) Literature (b) Super-science
(c) Classical music (d) Cinema
89. Who is non-member who can participate in the debate of Lok Sabha?
- (a) Vice President
(b) Chief Justice of India
(c) Attorney General of India
(d) None of these
90. Which of the following is the wrongly matched word-meaning pair?
- (a) Indist Arisan (b) Onset : Beginning
(c) Revise : Propose (d) Timidity : Boldness
91. Which of the following sentences is grammatically correct?
- (a) Either he or I am mistaken.
(b) He gave me an advice.
(c) The scenarios here are very good.
(d) Let you and I do it.
92. Which of the following word is closest in meaning to the idiom, "cast down"?
- (a) Humiliated (b) Defeated
(c) Depressed (d) Discouraged
93. The letter, 'v' in the word, 'about', is pronounced like letter, 'v', in the word.
- (a) Go (b) Boy
- (a) Got (b) Now
94. Khalil was sitting on the fence, means Khalil was
- (a) Living dangerously (b) Undecided
(c) Shallow (d) Annoying
95. In the sentence, 'Don't talk so loud', the word 'loud' is used as an
- (a) Adverb (b) Adjective
(c) Noun (d) Active verb
96. In the sentence, 'None but the brave deserves the fair', the word 'but' is used as
- (a) An adverb (b) A preposition
(c) A conjunction (d) A pronoun
97. Which of the following is a correctly matched adjective-noun pair?
- (a) Restless - Restlessly (b) Restless - Restlessness
(c) Restless - Restive (d) Restless + Restivity
98. His bad eyesight exempted him _____ military service. Fill in the blank with
- (a) in (b) of
(c) from (d) #
99. Which of the following is an incorrectly matched word-meaning pair?
- (a) Excursion - Short journey
(b) Homage - Tribute
(c) Satehish - close companion
(d) Intact - Tactful