Correct Answers

1. Which among the following banks <u>is not</u> a nationalized bank of our country?
(A) Andhra Bank.
(B) Bank of Baroda.
(C) Karnataka Bank.
(D) Canara Bank.
(E) Vijaya Bank.

2. Which of the following latitudes passes through India?
(A) Equator.
(B) Tropic of Cancer.
(C) Antarctic Circle.
(D) Arctic Circle.
(E) Tropic of Capricorn.

3. The value of (10% of 20 + 20% of 10) is equal to-
(A) 30% of 20.
(B) 30% of 10.
(C) 20 % of 30.
(D) 10 % of 30.
(E) 10% of 40.

4. Which of the following statements is correct regarding the Chairman and members of the Karnataka Public Service Commission?
(A) They are appointed by the Governor of Karnataka but can be removed by the President of India.
(B) They are appointed by the Governor of Karnataka and can be removed by the Governor of Karnataka.
(C) They are appointed by the President of India and can be removed by the President of India.
(D) They are appointed by the President of India but can be removed by the Governor of Karnataka.
(E) Their tenure is for a period of five years from the date on which they are appointed.

5. What is the tenure of a member of the Legislative Assembly of Jammu and Kashmir State?
(A) 4 years.
(B) 5 years.
(C) 5.5 years.
(D) 6 years.
(E) 6.5 years.

6. If $2^a = 8^{(b + 1)}$ and $9^b = 3^{(a - 9)}$ the sum of the values of 'a' and 'b' will be-
(A) 29
(B) 27
(C) 25
(D) 23
(E) 21

7.   Column 'X' below contains the produce of industry/plant and Column 'Y' the districts in Karnataka where the industry/plant exists or is found frequently. The correct matching of these will be-

COLUMN X	COLUMN Y
1. Nuclear Power	A. Mandya
2. Sugar	B. Chamarajanagar
3. Paper	C. Raichur
4. Thermal Power	D. Shimoga
	E. Uttar Kannada

(A) 1b   2e   3a   4c
(B) 1c   2e   3a   4b
(C) 1c   2b   3d   4e
(D) 1e   2a   3c   4d
(E) 1e   2a   3d   4c

8.   Which of the following States falls in the western part of India?
(A) West Bengal.
(B) Rajasthan.
(C) Jharkhand.
(D) Odisha.
(E) Tamilnadu.

9.   Which of the following five figures marked 'A' to 'E' is different from the rest?

     a   b   c   d   e
(A) a
(B) b
(C) c
(D) d
(E) e

10. Which of the following category of people who are Indian citizens cannot vote in an election to the State Legislature or to the Indian Parliament, even if they are registered in an electoral roll?
(A) Those who are transgender.
(B) Those who are in jails due to preventive detention under any law.
(C) Those who are lodged in jails as under trials.
(D) Those who are members of any of the armed forces of the country.
(E) Those who are candidates in the election in which they want to vote.

11. The monthly incomes of Alka and Babita are in the ratio of 7:3. Their monthly expenditures are in the ratio of 5:2. Each of the ladies is able to save Rs 300 every month. The difference between the monthly incomes of Alka and Babita is-
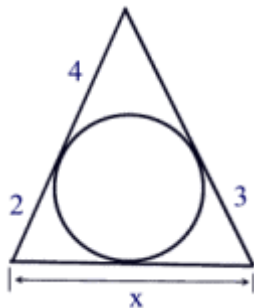(A) Rs 2800.
(B) Rs 3600.
(C) Rs 4000.
(D) Rs 4400.
(E) Rs 4800.

12. What is the number of members that Karnataka can send to the Lok Sabha and Rajya Sabha?
(A) Lok Sabha 26 and Rajya Sabha 10.
(B) Lok Sabha 26 and Rajya Sabha 12.
(C) Lok Sabha 28 and Rajya Sabha 12.
(D) Lok Sabha 28 and Rajya Sabha 10.
(E) Lok Sabha 28 and Rajya Sabha 26.

13. A hostel has 150 students residing in it. Each student reads 5 different weekly news magazines. If eachnews magazine book is read by 30 students, what is the minimum total number of weekly news magazine books that need to be purchased for the hostel?
(A) Exactly 25 per week.
(B) Less than 20 per week.
(C) More than 30 per week.
(D) Exactly 20 per week.
(E) Exactly 30 per week.

14. In the figure shown below, a circle is inscribed in a scalene triangle.

The value of 'x', the length of the base of the triangle is-
(A) 9 units.
(B) 8 units
(C) 7 units.
(D) 5 units.
(E) 4 units.

15. The mean and median of x_1, x_2, x_3, ……………,x_{99} were found to be 15 and 25 respectively. It was found that the largest value (x_{99})in the data was not 132 as taken in calculations, but 321. The correct mean and median will be-
(A) Mean more than 15 and Median more than 25.
(B) Mean more than 15 but Median equal to 25.
(C) Mean less than 15 but Median equal to 25.
(D) Mean less than 15 and Median less than 25.

(E) Nothing can be said until the entire data set is known.

16. Yash goes on his bicycle at constant speed to reach his village at 09:00 A.M. He calculates that if his speed would have been less by 2 Kms/hour, he would have reached at
11:00 A.M. and had his speed been more by 2 Kms/hour, he would have reached at
08:00 A.M. itself. What is the speed at which he had travelled to his village?
(A) 6 Kms/hour.
(B) 7 Kms/hour.
(C) 8 Kms/hour.
(D) 9 Kms/hour.
(E) 10 Kms/hour.

17. Column 'X' below contains the names of Governor-Generals of India and Column 'Y' their deeds/acts for which they are known for in history. The correct matching of these will be-

COLUMN X	COLUMN Y
1. Lord Dalhousie	A. Abolition of Sati
2. Lord William Bentick	B. Establishing High Courts
3. Lord Wellesley	C. Establishment of Police *thanas*(Police stations)
4. Lord Cornwallis	D. System of Subsidiary Alliance
	E. Doctrine of Lapse

(A) 1b   2e   3a   4c
(B) 1c   2e   3a   4b
(C) 1c   2b   3d   4e
(D) 1e   2a   3c   4d
(E) 1e   2a   3d   4c

18. Of the 100 people residing in a colony 50 go for morning walks and 25 for evening walks. 10 persons go for morning as well as evening walks. How many people do not go for any of the two walks?
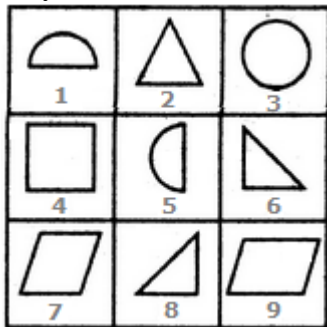(A) 15
(B) 20
(C) 25
(D) 30
(E) 35

19. The volume of a cube is 216 cubic cms. What will be its surface area?
(A) 288 square cms.
(B) 256 square cms.
(C) 216 square cms.
(D) 196 square cms.
(E) 144 square cms.

20. The average time between two consecutive high tides in the Arabian sea is about-
(A) 6.5 hours.
(B) 8.5 hours.
(C) 10.5 hours.
(D) 12.5 hours.
(E) 14.5 hours.

21. Why two private sector banks have merged recently?
(A) Kotak Mahindra Bank and Nainital Bank.
(B) Nainital Bank and HDFC Bank.
(C) HDFC Bank and Federal Bank.
(D) Federal Bank and ING Vysya Bank.
(E) ING Vysya Bank and Kotak Mahindra Bank.

22. Group the nine figures '1' to '9' below into three classes, following a rule, using each figure only once.

(A) (1,3,5) , (2,6,8) and (4,7,9)
(B) (1,3,5) , (2,6,9) and (4,7,8)
(C) (3,2,4) , (6,5,8) and (7,9,1)
(D) (3,2,4) , (1,6,8) and (5,7,9)
(E) (1,3,5) , (2,7,8) and (4,6,9)

23. Five friends A, B, C, D and E are facing north and standing in a line. C is standing immediately right of A. D is standing between B and E. E is standing between C and D. Who is standing in the centre of the line?
(A) A
(B) B
(C) C
(D) D
(E) E

24. The mean of the following data is-

Variable	1	3	4	5	7
Frequency	0	3	8	3	2

(A) 0.80
(B) 3.20
(C) 3.50
(D) 3.80
(E) 14.0

25. Fresh grapes are found to contain 90% water and 10% fruit, by weight. When fully sun-dried it is found to contain 10% water and 90% fruit, by weight. A stock of fresh grapes weighing 1000 kgs is fully sun dried. Its weight after full drying will be nearest to-
(A) 100 kgs.
(B) 111 kgs.
(C) 90 kgs.
(D) 99 kgs.
(E) More than 90 but less than 100 kgs.

26. A family consists of 8 adults and 4 children. If the average age of adults is 40 years and that of children 10 years, the average age of the family as a whole is-
(A) 18 years
(B) 20 years.
(C) 25 years.
(D) 30 years.
(E) 36 years.

27. The first two Kingdoms who used Kannada language in their administration are-
(A) Chalukya and Satvahana.
(B) Satvahana and Kadamba.
(C) Kadamba and Western Ganga.
(D) Western Ganga and Hoysala.
(E) Hoysala and Vijaynagara.

28. Which of the following statements is NOT CORRECT for the newly launched "*Pradhan Mantri Jan DhanYojna*"?
(A) Providing life insurance cover of Rs 30000 to the account holders.
(B) Providing accidental insurance cover of Rs 1 Lac to the account holders.
(C) Providing an overdraft facility of Rs 5000 after satisfactory operation of the account for six months available to only one member of the family.
(D) Providing credit cards, having a limit of Rs 50000, to account holders.
(E) Providing RuPay debit cards to account holders.

29. Anil starts a work and completes 7/10 of it in 10 days. Then he is joined by Charan. They finish the balance work in 3 days. If Anil and Charan had jointly done the work since the beginning, in how many days would they have completed the work?
(A) 10 days.
(B) 9 days.
(C) 8 days.
(D) 7 days.
(E) 6 days.

30. In a group of 9 persons sitting in a hall. Each person shakes hands with all others only once. No pair shakes hands twice. How many hand-shakes took place in the hall?
(A) 32
(B) 36
(C) 48
(D) 60
(E) 72

31. The correct order of increasing age of Indian mountains i.e. youngest first and oldest last is-
(A) Vindhyas, Himalayas, Western Ghats, Aravallis
(B) Himalayas, Vindhyas, Western Ghats, Aravallis.
(C) Vindhyas, Himalayas, Aravallis, Western Ghats.
(D) Himalayas, Vindhyas, Aravallis, Western Ghats.
(E) Western Ghats, Aravallis, Himalayas, Vindhyas

32. The difference between the compound interest and simple interest payable on an investment made for two years, with the rate of interest 4% per annum, is Rs 10. What is the amount invested?
(A) Rs 5000.
(B) Rs 6000.
(C) Rs 6250.
(D) Rs 6500.
(E) Rs 6750.

33. A farmer has a square field which he wire fences by fixing wooden poles in the ground at constant intervals. If along the east-west side 23 poles are seen and counted, what is the total number of wooden poles used in fencing the complete field?(The sides of the field are perpendicular and along the east-west, along west-north and so on.)
(A) 92
(B) 91
(C) 89
(D) 88
(E) 86

34. An old wall clock momentarily flashes a light five times at equal intervals at 05:00 P.M. The total timeelapsed between the first and fifth flash is 5 seconds. The time between the first and ninth flash of the Clock at 09:00 P.M will be-
(A) 9 seconds.
(B) 10 seconds.
(C) 8 seconds.
(D) 9.5 seconds.
(E) 8.5 seconds.

35. A, B and C sit to play a game. At the starting, A had 'a' rupees, B had 'b' rupees and C had 'c' rupees with them. First A gave 'b' rupees to B. Then B gave C an amount of 'c' rupees. After this, C gave A an amount, equal to what A was left with him. Now all count their money. It is found that- (1) A had an amount of 'a' rupees with him, and (2) The amounts in the hands of B and C are equal.What is the ratio 'a': 'b': 'c'?
(A) 4:1:2
(B) 2:4:1.
(C) 1:1:2.
(D) 4:2:1.
(E) 2:1:1.

Information for answering questions 36 and 37
A, B, C, D and E are five teachers in a School. A and B teach Kannada and English.
B and C teach English and Geography. A and D teach Maths and Kannada. B and E teach History and Tulu.
Based on these, please answer questions 36 and 37.
36. Which teacher is teaching the maximum number of subjects?
(A) A
(B) B
(C) C
(D) D
(E) E

37. Which subject is being taught by more than two teachers?
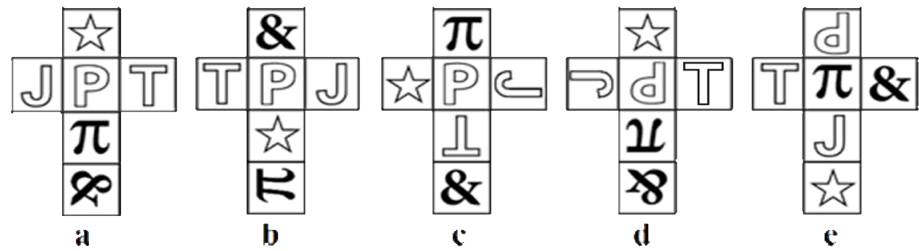(A) Kannada.
(B) Tulu.
(C) Geography.
(D) Maths.
(E) History.

38. In number series is given below, there is one term missing. Choose the alternative that will follow the series rule and fill the blank space.
3, 7, 15, 31, 63, 127, ____
(A) 196.
(B) 201.
(C) 255.
(D) 289.
(E) 343.

39. Which of the following two dimensional card cuts on the right can be folded to make the three dimensional hollow cube on the left?

(A) a
(B) b
(C) c
(D) d
(E) e

40. A drum full of oil weighs 100 Kgs. When half the oil is removed, its weight becomes 60 Kgs. If another half of the oil is removed, the drum (with oil filled in it) will weigh-
(A) 30 Kgs.
(B) 32.5 Kgs.
(C) 35 Kgs.
(D) 37.5 Kgs.
(E) 40 Kgs.

41. Which of the following titles conferred on Mahatma Gandhi by the British was surrendered by him during the Non-Cooperation movement?
(A) Kaiser-e-Hind.
(B) Right Honorable.
(C) Rai Bahadur.
(D) Raj Ratna.
(E) DewanBahadur.

42. The values in the data set 18, 20, 23, 29, a, (a + 2), 42, 44, 47 and 55 are in ascending order. The Median of the data set is 33. The value of 'a' is-
(A) 30.
(B) 31.
(C) 32.
(D) 33.
(E) 34.

43. Which of the following is not a fundamental right under the Constitution of India?
(A) Right to Education.
(B) Right to accept titles from foreign countries.
(C) Freedom of Speech.
(D) Equality before law.
(E) Freedom to profess any religion.

44. The age wise number of visitors to Ballari Zoo on 01st January 2015 is as in table below.

Age (in years)	0-10	10-20	20-30	30-40	40-50
Numbers visited	70	40	100	60	90

The mode of the age of visitors for that day is-
(A) 20 years.
(B) 22 years.
(C) 24 years.
(D) 26 years.
(E) None of the above..

45. From April 2014, inflation is measured on which of the following indexes in India?
(A) Production Price Index.
(B) Gross Domestic Product Index.
(C) Cost of Living Index.
(D) Wholesale Price Index.
(E) Consumer Price Index (Combined).

46. Which of the following statements is false about "*Bharatiya Mahila Bank*"?
(A) All employees of the bank are women.
(B) It is a commercial Bank.
(C) It is a nationalized Bank of India.
(D) It accepts deposits from men as well as women.
(E) It is lending mainly to women and companies that focus on women's
activities/products.

47. Mahatma Gandhi's Dandi March started which of the following movements in history?
(A) Home Rule Movement.
(B) Non-Cooperation Movement.
(C) Civil Disobedience Movement.
(D) Khilafat Movement.
(E) Quit India Movement.

48. The alpha-numeric series given below is made following some rule.

Z __ 25 Y B 23 X C __ W __ 19 __ E 17

The four blanks can be correctly filled by-
(A) A, 27, C and V respectively.
(B) A, 21, D and V respectively.
(C) X, 27, C and V respectively.
(D) X, 21, D and V respectively.
(E) A, 21, D and U respectively.

49. If THEREFORE is coded as TEEOERFRH then HELICOPTER will be coded as-
(A) HOCPERTLIE
(B) HLREPCTOIE

(C) HLRPECTOIE
(D) HLCEPRTOIE
(E) HLCPERTOIE

50. Which of the following statements about Tipu Sultan is false?
(A) He gave annual grants to more than a hundred temples of his kingdom.
(B) He was a member of the Jacobian club located in Srirangapatna.
(C) He used rockets against the British in the wars of 1792 and 1799 with great effect.
(D) He considered the French to be an enemy worse than the British.
(E) He attempted to have a Navy on modern lines.

51. Which day every year has been chosen to be celebrated as "Good Governance day" from last year?
(A) 25th December.
(B) 14th November.
(C) 31st October.
(D) 02nd October.
(E) 30th January.

52. Which of the following is wrongly matched for the 2013 State film awards announced in January 2015?
(A) Best Actor- Nikhil Manju.
(B) Best Movie- Jatta.
(C) Best Actress- Nivedita.
(D) Dr. PuttanaKanagal Award- P H Vishwanath.
(E) DrRajkumar Award- Srinath.

53. "Mission Indradhanush" launched in December 2014 aims to-
(A) Promote music and dance amongst the rural youth of the country.
(B) Propagate seven methods of water conservation in dryland farming.
(C) Immunize all unvaccinated and partially vaccinated children to prevent them against seven diseases by the year 2020.
(D) Provide scholarships to talented children studying in recognized music schools.
(E) Promote Indian art and culture in countries abroad.

54. The Bharatratna awardees announced in December 2014 is/are-
(A) Atal Bihari Vajpayee.
(B) Gobind Ballabh Pant.
(C) Madan Mohan Malviya.
(D) Atal Bihari Vajpayee and Gobind Ballabh Pant.
(E) Atal Bihari Vajpayee and Madan Mohan Malviya.

55. The theme of Indian government's calendar for 2015 which was released by the Information and Broadcasting Minister Shri Arun Jaitley is-
(A) Sabka Saath SabkaVikas.
(B) This year- Make in India.

(C)   India -Ever Forward.
(D)   Clean India Green India.
(E)   None of the above.

56. The word 'Forest' is derived from the word *foris.* The word is from which language?
(A) Hebrew
(B) Greek
(C) Latin
(D) French
(E) Spanish

57. The three National Forest Polices of India were launched in the years-
(A) 1898, 1949, 1977 respectively.
(B) 1894, 1954, 1977 respectively.
(C) 1894, 1952, 1988 respectively.
(D) 1892, 1962, 1990 respectively.
(E) 1894, 1952, 1980 respectively.

58. Selection to be used in natural stands or in plantations where tree parentage is unknown is called-
(A) Mass selection
(B) Heritable selection
(C) Plus tree selection
(D) Genotypic selection
(E) Natural selection

59. Species having flowers of both sexes on the same tree are known as-
(A) Monoecious.
(B) Dioecious.
(C) Entomophilous.
(D) Anemophilous.
(E) None of the above.

60. One cubic metre (m^3) of wood is most closely equal to-
(A) 36.31 cubic feet
(B) 35.31 cubic feet
(C) 34.31 cubic feet
(D) 33.31 cubic feet
(E) 32.31 cubic feet

61. All of the following statements about biodiversity are correct EXCEPT-
(A) It includes both, animal and plant diversity
(B) We do not know how many species exist on earth.
(C) Microbial diversity is not well known.
(D) Species diversity within an area is independent of how species are arrayed spatially.

(E) Scientists have argued that biological diversity is positively related to primary productivity and nutrient recycling.

62. Seeds of *Tectona grandis* are-
(A) True Orthodox.
(B) Sub-orthodox.
(C) Tropical Recalcitrant.
(D) Temperate Recalcitrant.
(E) Intermediate.

63. *Leucaenaleucocephala* is a species of tree promoted for mass planting in India for revegetation, soil and water conservation and animal improvements. However, other plant species does not grow in close proximity to *Leucaenaleucocephala* because it contains a toxic, non-protein amino acid in leaves and foliage that inhibits the growth of other trees but not its own seedlings. This is a typical example of-
(A) Mutualism.
(B) Parasitism.
(C) Allelopathy.
(D) Commensalism.
(E) Resource partitioning.

64. One of the major biological concerns of global warming is that-
(A) the rate of change in climate is projected to be faster than the rate at which many species can shift their ranges.
(B) it is already too hot in the Tropics.
(C) climates have been so stable for thousands of years that many species lack the ability to tolerate variable temperatures.
(D) climate change will be especially harmful to rare species.
(E) None of the above.

65. Anatomically, annual rings formed in wood are-
(A) Cambium.
(B) Tracheids.
(C) Phloem.
(D) Primary xylem.
(E) Secondary xylem.

66. In shelter wood system of management, an annual coupe is equivalent to-
(A) Felling series.
(B) Coupe.
(C) Periodic block.
(D) Block.
(E) None of the above.

67. Under the Indian Wildlife (Protection) Act, 1972, '*hunting*' does not include-
(A) capturing.
(B) disturbing nests of birds.
(C) attempt to trap.
(D) unauthorized entry into a tiger reserve.

(E) None of the above.

68. The ideal statistical design for conducting pot culture experiments is-
(A) Randomized block design.
(B) Complete randomized design.
(C) Split - plot design.
(D) Factorial design.
(E) Latin square design.

69. As a DRFO working in Bandipur Tiger Reserve, you find a person shooting dead a Sambhar. The person runs away the moment he sees you. The correct legal course of action that you will take will be-
(A) To go to police station and lodge complaint for the offence directly with the Police.
(B) To go to your Range Office, draw a FIR, and file it before the jurisdictional Court.
(C) To call the jurisdictional Police to the spot of offence to take cognizance of the case.
(D) To file a complaint in the jurisdictional Court praying them to authorize and direct the Police/Forest department to investigate the case.
(E) To get the Post mortem of the Sambhar done, then go to the Police station to file a complaint.

70. Age at which Mean annual increment (MAI) is maximum and is equal to Current Annual Increment (CAI) is termed as-
(A) Rotation of highest income.
(B) Financial rotation.
(C) Rotation of maximum volume production.
(D) Silvicultural rotation.
(E) Physical rotation.

71. Scientists can determine the historical frequency of fires in an area by-
(A) examining charcoal in lake sediments.
(B) measuring the total amount of carbon in soils.
(C) radioactively dating fallen tree trunks.
(D) determining the age structure of forests.
(E) determining the bark thickness of the trees.

72. Specific gravity of wood is measured in following units-
(A) Grams/cubic centimeter.
(B) Kilogram/cubic meter.
(C) Grams/cubic meter.
(D) Kilograms/cubic centimeter.
(E) None of the above.

73. Number of seedlings needed to plant in 25 acres of a plantation with a spacing of 4mts.x 2mts. is-
(A) 15200.
(B) 12510.
(C) 12000.

(D) 12555.
(E) 12500.

74. In point sampling, measure of the value of an angle expressed as its sine which is equivalent to 0.57° is termed as-
(A) Basal area factor.
(B) Calibration distance factor.
(C) Tree factor.
(D) Plot radius factor.
(E) Diopter.

75. The system in which woody component is combined with agricultural crop is known as-
(A) Agri-horti system.
(B) Agri-silvi system.
(C) Silvi-pasotral system.
(D) Silvi-horti system.
(E) Horti -pastoral system.

76. In remote sensing, land surface features have specific response to radiation and is termed as-
(A) Land Refraction.
(B) Wavelength Reflection.
(C) Spectral signature.
(D) Land Radiation.
(E) None of the above.

77. The condition of a seed when it is unable to germinate only because of the external conditions normally required but are not present is known as-
(A) dormancy.
(B) after ripening.
(C) quinesence.
(D) post harvest.
(E) stratification.

78. Which of the following sub species of tiger is extinct due to hunting, poaching and habitat loss-
(A) Royal Bengal tiger.
(B) Siberian tiger.
(C) Sumatran tiger.
(D) Malayan tiger.
(E) Javan tiger.

79. The spike disease of Indian sandalwood (*Santalum album* L.) is caused by-
(A) Fungi.
(B) Bacteria.
(C) Actinomycetes.
(D) Phytoplasma.

(E) Virus.

80. Nursery stock that is used for propagation after drastic pruning of both, roots and shoots is called as-
(A) Root cutting.
(B) Shoot cutting.
(C) Stump.
(D) Stock.
(E) Clone.

81. Which of the following is not /least recommended in building Greenhouses?
(A) The green house should get maximum sunlight all the day long.
(B) The top and sides should be made from transparent film of plastic or glass.
(C) It should have lots of gravel on the floor.
(D) Its longitudinal cross section should be a triangle or semi-circle.
(E) The frame of the green house is built of softwood wooden poles.

82. A written scheme of management aiming at continuity of policy and action and controlling the treatment of a forest is called-
(A) Working Plan.
(B) Working area.
(C) Annual plan.
(D) Plantation Journal.
(E) Administrative report.

83. In natural forests, it is difficult to apply yield tables due to-
(A) Diversified site quality.
(B) Lack of representative age.
(C) Abnormal stocking.
(D) Over matured crop.
(E) None of the above.

84. Dimensional changes usually occur when wood is dried below-
(A) Moisture saturation point.
(B) Wood saturation point.
(C) Fiber saturation point.
(D) Phloem saturation point.
(E) Equilibrium moisture content.

85. Which is the most important *Pterocarpus* species endemic to Andaman Islands?
(A) *Pterocarpus dalbergioides.*
(B) *Pterocarpus marsupium.*
(C) *Pterocarpus santalinus.*
(D) *Pterocarpus macrocarpus.*
(E) *Pterocarpus angolensis.*

86. *Phlebiopsis gigantea* can be used as biological control to prevent colonization of the fungus-
(A) *Cronartium rubicola.*
(B) *Ceratocystis ulmi.*
(C) *Fomes annosus.*
(D) *Armilleria mellea.*
(E) *Rhizoctonia solani.*

87. Wild animals are animals defined in section 2(36) of the Indian Wildlife (Protection) Act, 1972. Government of Karnataka compensates any human being injured by wild animals in an area outside notified forests and Protected areas. Damage caused by which of the following animals in areas outside notified forests and Protected areas will not be compensated by the Government?
(A) Monkey.
(B) Langur.
(C) Fruit bat.
(D) Cobra snake.
(E) Tiger.

88. Silvicultural system that is aimed at diffused regeneration is known as-
(A) Group shelterwood system.
(B) Clear felling system.
(C) Shelterwood system.
(D) Selection and Group selection system.
(E) Irregular shelterwood system.

89. The most basic character of soil which cannot be altered is-
(A) Bulk density.
(B) Structure.
(C) Texture.
(D) Colour.
(E) None of the above.

90. To obtain high quality viscose rayon material, the pulp should contain more of-
(A) Hemicellulose.
(B) α Cellulose.
(C) β Cellulose
(D) γ Cellulose.
(E) Lignin.

91. Among the following, a topographic component of the environment is-
(A) Temperature.
(B) Wind.
(C) Humidity.
(D) Slope.
(E) Rainfall.

92. One of the soil working techniques to conserve moisture is to dig trenches. A type of trench dug 45 cm wide and 60 cm deep by cutting its upper side up to half of its height is known as-
(A) Half slanting ridge ditch.
(B) Small slanting ridge ditch.
(C) Large ridge ditch.
(D) Sloped ridge ditch.
(E) Deep standing ridge ditch.

93. Which of the following species is not a hardwood species?
(A) *Ochroma pyramidale.*
(B) *Grevillea robusta.*
(C) *Casuarina equisetifolia.*
(D) *Acer oblongum.*
(E) All the above species are not hardwoods.

94. What is the constituent of CCA, the wood preservative invented in India?
(A) Copper, cobalt, ammonia.
(B) Chromium, cadmium, arsenic.
(C) Copper, chromium, arsenic.
(D) Copper, carbon, ammonia.
(E) Cobalt, carbon, argentum.

95. Calculate the quantity of seed of *Santalum album* required in grams for sowing a bed of 10mt x 1mt. The number of seeds per kilogram is 4000. It has 10% inert material, plant per cent is 60 and the seedlings in the bed will be spaced at 10cm x 10cm.
(A) 420
(B) 416
(C) 450
(D) 460
(E) 463

96. Which of the following statements is wrong?
(A) The national animal of our country is the Tiger (*Panthera tigris*).
(B) The national bird of our country is the Indian Peacock (*Pavo cristatus*).
(C) The national flower of our country is the Lotus (*Nelumbo nucifera*).
(D) The national tree of our country is the Neem (*Azadirachta indica*) tree.
(E) The national fruit of our country is the Mango (*Mangifera indica*).

97. Acid rain causes acidification of lakes and streams. It contributes to damage of trees at high elevations and many sensitive forest soils. In addition, acid rain accelerates the decay of building materials and paints, including irreplaceable buildings, statues, and sculptures that are part of cultural heritage. What is the major cause of the Acid Rain?
(A) Annual fires in the West.
(B) Burning of fossil fuels.
(C) Volcanic eruptions.
(D) Climate change.
(E) High salt content in the sea water.

98. As per the India State of Forest Report of 2013 by Forest Survey of India, the percentage of total forest and tree cover in India is-
(A) 18.44%
(B) 20.71%
(C) 22.29%
(D) 21.58%
(E) 24.01%

99.	Among the following species, the monotypic species is-
(A) *Tectona grandis.*
(B) *Santalum album.*
(C) *Tamarindus indica.*
(D) *Albizzia lebbeck.*
(E) *Melia dubia.*

100. An ecological community is-
(A) All species of organisms that live and interact with one another in an area.
(B) Allspecies that live and interact in an area together with the abiotic environment.
(C) Allspecies in an area that belong to a particular trophic level.
(D) All the species that are members of a local food web.
(E) None of the above.