077/21

Question Booklet Alpha Code

A

A

Total Number of Questions : 100	Time : 75 Minutes

Maximum Marks : 100

INSTRUCTIONS TO CANDIDATES

1. The Question Paper will be given in the form of a Question Booklet. There will be four versions of Question Booklets with Question Booklet Alpha Code viz. **A, B, C** & **D**.

2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the Question Booklet.

3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.

4. If you get a Question Booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.

5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your Question Booklet is un-numbered, please get it replaced by new Question Booklet with same alpha code.

6. The Question Booklet will be sealed at the middle of the right margin. Candidate should not open the Question Booklet, until the indication is given to start answering.

7. Immediately after the commencement of the examination, the candidate should check that the Question Booklet supplied to him/her contains all the 100 questions in serial order. The Question Booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.

8. A blank sheet of paper is attached to the Question Booklet. This may be used for rough work.

9. **Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.**

10. Each question is provided with four choices **(A), (B), (C)** and **(D)** having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.

11. **Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.**

12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.

13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

1. Malabar was divided into two on March 1793 with Headquarters at
   A) Tellichery and Cannanore
   B) Tellichery and Thamarassery
   C) Tellichery and Cherpulassery
   D) Tellichery and Calicut

2. "Mulaku Madissila Karyakar" was
   A) Defence Minister
   B) Commerce Minister
   C) Home Minister
   D) Dalawa

3. "Although a rebel, he was one of the natural chieftain of the country and might be considered on that account rather a fallen enemy", who said this ?
   A) Col. Macaulay
   B) Thomas Harvey Baber
   C) Sir Arthur Wellesley
   D) Pazhassi Raja

4. The Huzur Cutchery and other public officer were shifted from Quilon to Trivandrum by
   A) Gouri Parvathi Bai
   B) Rani Gouri Lakshmi Bai
   C) Swathi Tirunal
   D) Utram Tirunal Marthanda Varma

5. Anjarakandi Plantation is famous for
   A) Cinnamon, Coffee, Pepper
   B) Areca-nut, Coconut, Coffee
   C) Cashewnuts, Coffee, Tea
   D) Coffee, Tapioca, Tea

6. The fifth all Kerala Political Conference at Badagara (on May 5th 1931) was presided by
   A) J. M. Sen Gupta
   B) K. Kelappan
   C) R. V. Sharma
   D) K. Madhavan Nair

7. Who said this "Indian youths are not useless but use less, Indian youths are not careless but care less" ?
   A) Swami Vivekananda
   B) Swami Nirmalananda
   C) Swami Chinmayananda
   D) Bhagat Singh

8. "What is important is not idols, but ideals, even if all the idols are put together, they cannot make one ideal". Who said this ?
   A) Narayana Guru
   B) Chattampi Swamikal
   C) Ayyankali
   D) A. K. Gopalan

9. V. R. Krishna Iyer was the minister of
   1. Law and electricity
   2. Irrigation and prison
   3. Home affairs and law
   4. Prisons and law

   A) 1 and 2   B) 3 and 4   C) 1 and 4   D) All the above

10. Who was also known as "Muthukutti Swami" ?
    A) Swami Vagbhatananda
    B) Chattampi Swamikal
    C) Brahmananda Shivayogi
    D) Vaikunda Swami

A   -3-

11. Kadavallur Anyonyam, an annual debate of Vedic scholars from two schools of Rig Veda practice, is held at Kadavallur. Which of the following statements is/are wrong ?
    1. It is the final examination for the Vedic Scholars.
    2. It is held in the Malayalam month of Vrischikam (mid Nov.).
    3. It was revived in 1999 and has been conducting regularly since then.
    4. The word 'anyonyam' means 'each other'.
    A) 1 only   B) 1 and 2 only   C) 3 only   D) 3 and 4 only

12. The popularity of the famous Mappila song Kappappattu was so immense that the word Safeena/Sabeena subsequently came to be used as the generic name for the whole body of Arabi Malayalam poetry. What is the meaning of Sabeena ?
    A) Music   B) Ship
    C) God's love   D) Isal

13. Consider the following pairs :
    1. Sadarama Natakam   – K. C. Kesava Pillai
    2. Lakshanaswayamvaram (Ettuvritham)   – Kaikottikkalippattu
    3. Rajaretnavaleeyam   – Manipravalachampu
    4. Kalpasahki   – Ulloor S. Parameswara Iyer

    Which of the pairs given above is/are correctly matched ?
    A) 1 only   B) 1 and 2 only   C) 1, 2 and 3 only   D) 1, 2, 3 and 4

14. Kani (Kanikkar) is a tribe living in the Western Ghats of Kerala. Their clan history is described in a 'Kathaganam'. What is the name of that song ?
    A) Paththadippattu   B) Kallanapporu
    C) Bheemanpattu   D) Thunkippattu

15. An intangible cultural heritage is a practice, representation, expression, knowledge or skill considered by UNESCO to be part of a place's cultural heritage. It comprises "nonphysical intellectual property, such as folklore, customs, beliefs, traditions, knowledge and language" in contrast to tangible heritage. Which is the Indian Intangible Cultural Heritage included in the UNESCO's list ?
    A) Theyyam, ritual form of worship in Kerala
    B) Mohiniyattam, lasya subgenre of dance
    C) Padayani, traditional folk dance and a ritual art form of Kerala
    D) Mudiyettu, ritual theatre and dance drama of Kerala

16. Kerala had a unique Mathematical Heritage. This Kerala School had many great scholars like Madhava of Samgamagrama, Kelallur Nilakanta Somayaji, Vatassery Paramesvaran Nambudri, Jyeshtadeva, Achyuthapisharodi etc. Consider the following pairs
    1. Madhava of Samgamagrama   – Mahajyanayanaprakara
    2. Yukthibhasha   – Jyeshtadeva
    3. Thanthrasamgraha   – Achyuthapisharodi
    4. Goladipika   – Vatassery Paramesvaran Nambudri

    Which of the pairs given above is/are correctly matched ?
    A) 1 only   B) 1, 2 and 3 only   C) 1, 2 and 4 only   D) 1, 2, 3 and 4

A

17. Malayalam film industry is the fourth biggest film industry in India. In connection with Malayalam film industry which of the following statements are correct ?
    1. The first cinema hall in Kerala was opened in Thrissur by Jose Kattookkaran in 1907.
    2. First Malayalam feature film, Vigathakumaran was produced and directed by J. C. Daniel in 1933.
    3. The first 3D film produced in India, *My Dear Kuttichathan* (1984), was made in Malayalam.
    4. *Amma Ariyan* (1986) was the first film made in India with money collected from the public.

    A) 1 and 2 only   B) 2 and 3 only
    C) 1, 2 and 3 only   D) 1, 3 and 4 only

18. Chavittunatakam is a folk theatrical art of Latin Christians in Kerala. Which of the following is not a Chavittunatakam ?
    A) Mariyammanatakam   B) Veerakumarancharitham
    C) Plamenacharitham   D) Kathreenanatakam

19. Which among the following is a play written by M. T. Vasudevan Nair ?
    A) *Ammaykku*   B) *Manikyakallu*
    C) *Gopuranadayil*   D) *Varikkuzhi*

20. An ancient writing system which is the forerunner of all scripts that have found use in South Asia with the exception of the Indus Script
    A) Pali   B) Brahmi
    C) Kharoshthi   D) Grantha Script

21. The principles of legitimate expectation is based on
    1. Natural Justice and Fairness
    2. Human Rights and Morality
    3. Authority and Entitlement
    4. Overriding Public Interest

    Select the correct answer using the codes given below :
    A) 2 and 4 only   B) 1 only   C) 2 and 3 only   D) 3 only

22. The Child Labour (Prohibition and Regulation) Act, 1986
    1. Prohibits all kinds of employment of children below the age of eighteen.
    2. Prohibits all kinds of employment of female children below the age of eighteen.
    3. Regulates employment of children above the age of fourteen in some kinds of employment.
    4. Defines a 'child' to be a person who has not completed the age of eighteen years.

    Select the correct answer using the codes given below :
    A) 2 and 4 only   B) 1, 3 and 4 only   C) 1 and 4 only   D) 3 only

A

23. In India, in case of public nuisance, persons can approach
    1. The Supreme Court under Article 32 of the Constitution of India
    2. The High Court under Article 226 of the Constitution of India
    3. The District Magistrate under Section 133 of the Code of Criminal Procedure
    4. The Court under Section 92 of the Code of Civil Procedure
    Select the correct answer using the codes given below :
    A) 1 and 2 only   B) 1, 2 and 3 only   C) 1, 2 and 4 only   D) 1, 2, 3 and 4

24. Which of these principles is essential to Judicial review ?
    1. The Constitution of India is the Supreme Law of the country.
    2. The Supreme Court of India has the ultimate authority in ruling on Constitutional matters.
    3. The judiciary must rule against any law which is in conflict with the Constitution.
    Select the correct answer using the codes given below :
    A) 1 and 2 only   B) 1, 2 and 3   C) 2 and 3 only   D) 1 and 3 only

25. All the powers of a Civil Court trying a suit is available to the National Commission for Women in
    1. The investigation of matters relating to deprivation of Women's Rights.
    2. The investigation of matters relating to the safeguards voided for women under the Constitution.
    3. The evaluation of the progress of the development of women under the Union and any State.
    Select the correct answer using the codes given below :
    A) 1 and 2 only   B) 1 and 3 only   C) 2 and 3 only   D) 1, 2 and 3

26. Schools will not have to grant free admissions to poor children on 25% of their seats under the Right of Children to Free and Compulsory Education Act, 2009.
    1. Only if they have been duly recognised as a minority run institution.
    2. Only if they have not been duly recognised as a minority run institution.
    3. Only if they are not getting any funds from the State.

    Select the correct answer using the codes given below :
    A) 1 only   B) 1 and 3 only   C) 3 only   D) 2 and 3 only

27. Which of the following statements is true in relation to the declaration of a national emergency under Article 352 of the Constitution of India ?
    1. It can be imposed when there is a grave threat to the security of India or any of its territory due to war, external aggression or armed rebellion.
    2. It will cease to operate after one month from the date of its issue unless it is approved in the meantime by the parliament.
    3. For further continuance of emergency after six months, the resolution has to be passed by either house of parliament by a majority of not less than two-third members.
    4. For further continuance of emergency after six months, the resolution has to be passed by either house of parliament by a simple majority.
    Select the correct answer using the codes given below :
    A) 1 and 4 only   B) 1, 2 and 3 only
    C) 2 and 3 only   D) 1, 2 and 4 only

28. Article 368 of the Constitution of India governs amendments
    1. That can be effected by Parliament of India by a prescribed 'special majority'.
    2. That require, in addition to 'special majority', ratification by at least one half of the State Legislatures.
    3. That can be effected by Parliament of India by a 'simple majority'.

    Select the correct answer using the codes given below :
    A) 1 and 3 only   B) 1 and 2 only   C) 2 and 3 only   D) 1, 2 and 3

29. Which of the following is a Human Right recognised under the Universal Declaration of Human Rights and the Constitution of India ?
    1. All are equal before the law.
    2. No one shall be subjected to arbitrary arrest, detention or exile.
    3. Everyone has the right to freedom of opinion and expression.
    4. Everyone has the right to freedom of thought, conscience and religion.

    Select the correct answer using the codes given below :
    A) 1, 3 and 4 only   B) 1, 2 and 3 only   C) 2, 3 and 4 only   D) 1, 2, 3 and 4

30. A decision will be said to be unreasonable in the sense of the Wednesbury principle if
    1. It is based on wholly irrelevant material or wholly irrelevant consideration
    2. It has ignored a very relevant material which it should have taken into consideration
    3. It is so absurd that no sensible person could ever have reached it

    Select the correct answer using the codes given below :
    A) 1 and 2 only   B) 1 and 3 only   C) 2 and 3 only   D) 1, 2 and 3

31. Which amongst the following Amendments of the Indian Constitution led to the inclusion of a New Article 21-A that made free and compulsory education to all children of 6 – 14 years of age as a Fundamental Right ?
    A) 85th B) 86th C) 87th D) 88th

32. Match the following.
    1. Peter Drucker   a. Guardian Bureaucracy
    2. Robert R. Blake and J. S. Mouton   b. Knowledge Worker
    3. Donald J. Kingsley   c. Situational Theory of Leadership
    4. F. M. Marx   d. Representative Bureaucracy

    Select the correct codes from below :

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

A   -7-

33. Which is/are true regarding Panchayats (Extension to Scheduled Areas) Act, 1996 ?
    1. It aims to safeguard and preserve the customs of tribals.
    2. It aims to wake Gramsabha the nuclear of all activities.
    3. It is applicable to nine states with scheduled areas.
    4. Only two states have enacted legislation complaint with PESA provisions.

    Which of the statements given above are correct ?
    A) 1, 3 and 4   B) 1, 2, 3 and 4   C) 1, 2 and 4   D) 2, 3 and 4

34. Which of the following are the functional items in the Eleventh Schedule of the Constitution ?
    1. Conventional Energy
    2. Public Distribution System
    3. Small Scale Industries
    4. Mining
    5. Fisheries

    Select the correct code from below :
    A) 1, 3, 4   B) 1, 2, 4, 5   C) 2, 3, 5   D) 1, 2, 5

35. Who appoints the Central Vigilance Commissioner ?
    A) President of India
    B) President after obtaining the recommendation from a committee, consisting of Prime Minister, Home Minister and Leader of Opposition
    C) Prime Minister, Home Minister and Chief Justice of India
    D) President in consultation with Chief Election Commissioner of India

36. Part X of the Indian Constitution which deals with Panchayats is not applicable to which of the following States ?
    A) Nagaland, Meghalaya and Mizoram
    B) Nagaland, Meghalaya, Mizoram and Tribal areas of Assam
    C) Nagaland, Meghalaya, Mizoram, Tribal areas of Assam and Tripura
    D) Nagaland, Meghalaya, Mizoram, Tribal areas of Assam, Tripura and hill areas of Manipur

37. Match the following :

Provision	Schedule
1. Administration and control of scheduled areas and scheduled tribes	a. Seventh
2. Administration of tribal areas of Assam, Meghalaya, Tripura, Mizoram	b. Twelfth
3. Powers, Authority and Responsibilities of Municipalities	c. Fifth
4. Allocation of powers and functions between Union and States	d. Sixth

    Select the correct codes from below :

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

38. Elections to constitute a Panchayat should be completed before the expiration of
    A) Six months from date of its dissolution
    B) Three months from date of its dissolution
    C) Two months from date of its dissolution
    D) One year from date of its dissolution

39. Which of the following statements are correct about the hot deserts are lie on both sides of the horse latitude ?
    1. The air is descending in the Sub Tropical High Pressure belts.
    2. The rain bearing trade winds blow offshore and westerlies that are onshore blow outside the desert limits.
    3. These regions relative humidity is low so condensation is not possible.

    Select the correct answer using the codes given below :
    A) 1 and 2 only   B) 2 and 3 only   C) 1 and 3 only   D) 1, 2 and 3

40. Indian Meteorological Department (IMD) has divided India into how many seismic zones ?
    A) 4   B) 5   C) 6   D) 7

41. Consider the following pairs :
    Intrusive Igneous rock   **Shape of the rock**
    1. Lacolith   :   Dome shape
    2. Lapolith   :   Saucer shape
    3. Phacolith   :   Lens shape
    4. Batholith   :   Irregular shape

    Which of the pairs given above are correctly matched ?
    A) 1 and 2 only   B) 2 and 3 only   C) 1 and 3 only   D) 1, 2, 3 and 4

42. Consider the following :
    1. Idukki
    2. Wayanad
    3. Pathanamthitta
    4. Alappuzha

    Which of the above districts are reported negative growth rate in Kerala as per 2011 census ?
    A) 1 and 2 only   B) 1 and 3 only   C) 1, 2 and 3 only   D) 1, 2, 3 and 4

43. The tropic of cancer passes through which of the following States ?
    1. Gujarat
    2. Rajasthan
    3. Tripura
    4. Maharashtra

    Select the correct answer using the codes given below :
    A) 1 and 2 only   B) 3 and 4 only   C) 1, 2 and 3 only   D) 1, 2, 3 and 4

A

077/21

44. Kerala Model of Development refers to
    A) development situation where high human development coexists with high economic growth
    B) development situation where low human development coexists with low economic growth
    C) development situation where low human development coexists with high economic growth
    D) development situation where high human development coexists with low economic growth

45. Health scenario in Kerala represents a paradoxical situation of
    A) High morbidity existing with high death rate
    B) Low morbidity existing with low death rate
    C) High morbidity existing with low death rate
    D) High morbidity existing with high maternal mortality rate

46. Which of the following is not correct about Kerala Land Reforms Act, 1976 ?
    A) Land ceiling was imposed
    B) Homestead rights were granted to agricultural labourers
    C) Tenancy was abolished
    D) Plantations were not exempted from Act

47. Which of the following represents current development experience of Kerala ?
    A) High human development with high economic growth
    B) Low human development with low economic growth
    C) High human development with low economic growth
    D) None of the above

48. Which of the following represents Kerala model of women ?
    A) Higher female literacy rate   B) Lower fertility rate
    C) Lower maternal mortality rate   D) All of the above

49. Which of the following statements is not true about health scenario in Kerala ?
    A) Morbidity in Kerala is one of the highest in India
    B) Bihar is having morbidity rate lower than Kerala
    C) Communicable diseases dominates in the morbidity pattern of Kerala
    D) Maternal mortality rate in Kerala is one of the lowest in India

50. Which of the following shows uniqueness of Kerala in educational map of India ?
    A) Higher literacy rate   B) Universal enrolment in schools
    C) Lower drop-outs in schools   D) All of the above

51. Which of the following statement is true about Compulsory Education Scheme in Kerala ?
    A) It reduced drop-outs In lower standards
    B) It reduced drop-outs in tenth standard
    C) It increased enrolment in higher education
    D) None of the above

A

52. Which of the following statement is true with regard to demographic transition in Kerala ?
   A) Larger proportion of population above 60 years compared to rest of India
   B) Lower proportion of population below 60 years compared to rest of India
   C) Larger proportion of population below 40 years compared to rest of India
   D) None of the above

53. Which district in Kerala have the highest per capita income ?
   A) Ernakulam   B) Trivandrum   C) Kottayam   D) Alleppy

54. Which district in Kerala is having the lowest growth rate in population ?
   A) Malapuram   B) Alleppy   C) Pathanamthitta   D) Ernakulam

55. Which crop occupies largest area in total cropped area in Kerala ?
   A) Coconut   B) Rice   C) Rubber   D) Tapioca

56. Which among the following does not belong to the class of primary memory ?
   A) RAM   B) Cache Memory   C) ROM   D) USB flash drive

57. FTP stands for
   A) File Transfer Protocol   B) Form Transfer Protocol
   C) File Transmission Protocol   D) Form Transmission Protocol

58. Which of the following is a spreadsheet software ?
   A) Open Office Impress   B) Open Office Writer
   C) Open Office Calc   D) Microsoft Power Point

59. ASCII is a
   A) Four bit code   B) Seven bit code   C) Sixteen bit code   D) None of the above

60. Which among the following is not a free and open source software ?
   A) Mozilla Firefox   B) GIMP   C) MS Office   D) GNU/Linux

61. Which of the following does not belongs to the group ?
   A) Assembler   B) Word processor   C) Compiler   D) Interpreter

62. Who owns the Internet ?
   A) DARPA of US Government
   B) United Nations Organization
   C) International Telecommunication Union (ITU)
   D) It is an open system and does not have a specific organization as its owner

63. The size of IP address as per IPv6 protocol is
   A) 32 bits   B) 64 bits   C) 128 bits   D) 256 bits

64. Which among the following is not a proprietary mobile operating system ?
   A) Android   B) iOS
   C) BlackBerry   D) Windows Phone

A

65. The Section and punishment for cyber terrorism as per Information Technology (Amendment) 2008 is
    A) 66A, Imprisonment which may extend to three years and with fine
    B) 66F, Imprisonment which may extend to imprisonment for life
    C) 67, Imprisonment which may extend to five years and also with fine which may extend to ten lakh rupees
    D) 67A, Imprisonment which may extend to seven years and also with fine which may extend to ten lakh rupees

66. The plural of 'phenomenon' is
    A) phenomenae   B) phenomenons   C) phenomena   D) phenomenas

67. The resolution was passed by _____ unanimous decision.
    A) a   B) an   C) the   D) none of these

68. The passive voice of "Are you organizing this debate ?" is
    A) Has this debate being organized by you ?
    B) Is this debate been organized by you ?
    C) Have this debate being organized by you ?
    D) Is this debate being organized by you ?

69. Our boat club is trying to raise money to buy a new lifeboat. By the end of this year, we _____ five hundred letters asking for contributions.
    A) will be sending   B) will have sent
    C) will have been sending   D) will send

70. Neither Lal nor his friends _____ arrived.
    A) is   B) have   C) has   D) was

71. Raju is believed _____ in Australia.
    A) to be living   B) to live   C) to being living   D) living

72. No sooner _____ the station, than the train arrived.
    A) I had reached   B) when I reached
    C) had I reached   D) have I reached

73. I can always rely _____ him in any difficulty.
    A) with   B) in   C) at   D) on

74. Give one word for : "a remedy for all diseases".
    A) patrimony   B) pernicious   C) panacea   D) panorama

75. Synonym of "pilfer" is
    A) steal   B) damage   C) snatch   D) destroy

76. "To blow one's own trumpet" means
    A) to hate oneself   B) to praise oneself
    C) to criticize oneself   D) to start a fight

A

77. He is the next _____ to the throne.
   A) heir   B) air   C) hare   D) hair

78. The children are _____ to the visit of their grandfather.
   A) looking in   B) looking up
   C) looking for   D) looking forward

79. Which is wrongly spelt ?
   A) vacation   B) pursuasion   C) occasion   D) contemptuous

80. "Ultra vires" means
   A) an outstanding skilful performance
   B) a social blunder
   C) beyond one's powers
   D) mode of operation

81. He used to be punctual, _____
   A) did he ?   B) does he ?   C) doesn't he ? D) didn't he ?

82. She asked Ravi if
   A) he would tell her what it meant
   B) he will tell her what it meant
   C) he would tell her what it means
   D) he will tell her what is the meaning

83. A mother should be able to _____ her child in illness.
   A) been a doctor   B) doctored
   C) doctor   D) become a doctor

84. A _____ of lions.
   A) pack   B) cloud   C) cluster   D) pride

85. His job is a _____ one.
   A) troubled   B) troublesome
   C) trouble making   D) troubleshooting

86. A, B and C joined a company in November on dates 16, 11 and 21 respectively. At the end of the month, A received Rs. 27,000 as the salary which is 20% more of what B received and 10% less of what C received. Then which of the following are the monthly salaries of B and C respectively ?
   A) 22,250, 30,000   B) 90,000, 54,000
   C) 33,750, 90,000   D) 33,750, 54,000

87. Raju can complete a work in 20 days, which Bobby, Arjun and Habib can finish independently in 27, 30 and 36 days respectively. Raju and Arjun starts doing this work jointly and continues on it for 4 days and stops working. If one of Habib and Bobby has to complete the work, how many more days they may take respectively ?
   A) 24 and 18   B) 36 and 27   C) 24 and 20   D) 30 and 25

A   -13-

88. A set of 51 numbers is such that if we remove the first number, the average of the remaining numbers will be reduced by 1 from the average of all the numbers, if we remove the first and second, average will be reduced by 2 from the original average of 51 numbers and so on. If average of all the 51 numbers is 1000, then which of the following is true ?
A) The numbers can be uniquely determined using the given data
B) There exist many sets of numbers satisfying the given conditions
C) Such a set of numbers cannot exist
D) Data insufficient to say anything about these numbers

89. A monkey tries to climb up a 50 m high pole. It jumps up 1.25 m every second, but slides down by 0.5 m next second. In how many seconds it will reach the top ?
A) 133   B) 131   C) 134   D) 132

90. Mr. X aged 35 was born in January 1980 on a Monday. He has a son and daughter where the son is elder and the sum of the ages of his kids is 8. The son was born on X's birthday. What can be the year of birth of the son ?
A) 2007   B) 2008   C) 2009   D) 2010

91. Two 12 hour clocks were corrected to show the right time where the first clocks becomes faster by 2 minutes every 12 hours and the second one becomes slower by 3 minutes every 12 hours. After how many minimum number of days they will again show the correct time ?
A) 120   B) 180   C) 240   D) 360

92. Consider the following relations :
A is bigger than B. A is bigger than D. D is smaller than G and E. B is bigger than E. E is bigger than G and F. C is bigger than G and E. Which of the following is correct as per these relations ?
A) A is bigger than G, but not bigger than F
B) D is smaller than everybody else
C) E is smaller than exactly 3 and bigger than exactly two
D) F is smaller than everybody except D

93. From 100 to 1000 how many 3 digit numbers are there with all digits in its distinct ?
A) 900   B) 899   C) 648   D) 675

94. A borrows an amount from B and promises to return the amount with two third of it as interest after 2 years. C borrows Rs. 1,000 from B and pays it back after 2 years with 25% interest. If A and C pays the same amount, how much did A borrow ?
A) 500   B) 750   C) 900   D) 1,000

95. In a group of 200 people arranged in some order, every second person is a man, every third person is a music lover, every fifth person is a movie buff. How many men are there possibly not interested in music or films ?
A) 45   B) 50   C) 53   D) 57

A

96. What is the maximum numbers of squares simultaneously using 8 line segments each of length 4 cm ?
    A) 4   B) 7   C) 9   D) 16

97. An NGO was formed to help poor patients admitted to a hospital. They collected fund as contribution and decided to distribute the collection equally as a multiple of 1000 to the patients. They also wanted to keep some amount towards their organizational expenses. When they counted the contribution, it was found that if the amount is to be distributed equally (as multiple of thousands) among 7 patients Rs. 5,000 will be left, if distributed equally to 5 people Rs. 4,000 will be left and if distributed equally to 2 people, nothing will be left. If they decide to help 5 people, what is the minimum amount each will receive ?
    A) 9,000   B) 11,000   C) 13,000   D) 15,000

98. A mobile company has a prepaid pack of validity 28 days. To get 15% or more profit, the company thinks about the following strategies
     i. Reduce the package validity period to 21 days.
    ii. Increase the package validity to 30 days, increase the price by 20%.
   iii. Increase the price by 10% reduce the validity to 24 days.
    What is more correct about these strategies ?
    A) All of them will give 15% or more profit
    B) (i) and (ii) will give 15% or more profit, but (iii) will give less profit
    C) Maximum profit is for (i) and minimum for (iii)
    D) (i) and (iii) both will give required profit

99. If fourth power of cube of a number is equal to cube of eighth power of another and the first number is twice the second number, the numbers are contained in which of the following ?
    A) 1, 3, 6   B) 2, 4, 8   C) 4, 8, 16   D) 8, 16, 32

100. Dr. Wattson said : "Our phone is being tapped by spies. We should code the message so that it will become difficult for others to understand". Holmes said : "OK. We will follow a colourful strategy instead of VIOLET, we will use INDIGO, for BLUE we use GREEN, for YELLOW we will use WHITE and for ORANGE use BLACK". Wattson said : "What do you mean by that ?". Holmes explained. "Under this technique, KERALA will be coded as KHLARA and DELHI as DHRHN". What is the code for COCHI as per this strategy ?
    A) CHENN   B) CBCHN   C) KBKIR   D) GEGVI

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A   -15-

Space for Rough Work