# ASSISTANT, UNIVERSITIES IN KERALA

1. If 4 taps can fill a tank in 10 hours. Then how many hours can 6 taps fill the same tank?  (a) 6 <sup>3</sup> / <sub>3</sub> hours  (b) 2 <sup>2</sup> / <sub>5</sub> hours  (c) 6 <sup>2</sup> / <sub>2</sub> hours  (d) 15 hours  2. A and B together can do a piece of work in 12 days and A alone can complete the work in 18 days. How long will B alone take to complete the job?  (a) 6 days  (b) 30 days  (c) 36 days  (d) 21 days  3. A garden is 90 m long and 75 m broad. A path 5 m wide is to be built outside around it. Find the area of the path:  (a) 850 m²  (b) 6750 m²  (c) 1750 m²  (d) 7600 m²  (e) 1750 m²  (d) 17600 m²  (e) 1750 m²  (d) 160 (d) 12  6. In how many years will a sum of money triple itself, the rate of interest being 10%?  (a) 15 years  (b) 20 years  (c) 10 years  (d) 15 years  (how years  (e) 45 years  (d) 50 years  (e) 10 years  (d) 50 years  (e) 45 years  (d) 50 years  (e) 15 (d) 5:8  11. Flower' is related to Petal in the same way as 'Book' is related to:  (a) Author  (b) Content  (c) Page  (d) Library  22. Find the missing numbers in this series:  2, 6, 18, 54, 466, 1458.  (a) 18, 24, 466, 1458.  (a) 19  (a) P  (b) 10  (c) R  (d) Q  14. If 'X' is in the north of B and C is in the west of B. In What direction is A with respect to C?  (a) South (b) East  (c) South-West  (d) North-East  15. Statement: All the students passed the examination.  (II) None of the boys passed the Examination.  (II) None of the boys passed the Examination.  (III) None of the above  16. If FDUCATION is coded as NOITACUDE, then REDFORT will be coded as:  (a) TROFFDER  (b) FORTRED  (c) TROFFED  (d) FORTRED  (e) TROFFED  (f) FORTRED  (g) Lie and III follow  (e) I, II and III follow  (f) I and III follow  (g) I and III fol			Exam neld on 24.05.2016
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the area of the path:  (a) 850 m² (b) 6750 m² (c) 1750 m² (d) 7600 m²  4. Which of the following numbers is divisible by 33?  (a) 1333 (b) 1375 (c) 2133 (d) 2145  5. H.C.F of 36 and 264 is: (a) 6 (b) 36 (c) 792 (d) 12  6. In how many years will a sum of money triple itself, the rate of interest being 10%? (a) 15 years (b) 20 years (c) 10 years (d) 18 years  7. Manu's age is 6 times Binu's age. 15 years hence Manu will be 3 times as old as Binu. Find Binu's age: (a) 60 years (d) 50 years (c) 45 years (d) 50 years (c) 45 years (d) 50 years (d) 15 seconds (d) 16 seconds (e) 30 seconds (d) 17 Seconds (d) 18 years (e) 10 years (f) 10 years (g) 4 seconds (g) 30 seconds (g) 30 seconds (h) 12 seconds (g) 4 (b) 3 (c) 6 (d) 7 (l) If $\frac{y}{x} = \frac{3}{9}$ Find $y: x$ :  of B. In What direction is A with respect to C? (a) South (b) East (c) South-West (d) North-East 15. Statement: All the students passed the examination. Some students are girls. Conclusion: (IV) None of the boys passed the Examination. (IV) None of the boys passed the Examination. (IV) None of the above (b) II and III follow (c) I, II and III follow (d) None of the above 16. If EDUCATION is coded as NOITACUDE, then REDFORT will be coded as: (a) TROFDER (b) FORTRED (c) TROFRED (c) TROFRED (d) FORTDER 17. Find out the pair which is different from the other given pairs: (a) Cow and Buffalo (b) Cock and Hen (c) Horse and Mare (d) Dog and Bitch 18. Find the odd one among these: (a) Lake (b) River (c) Pool (d) Sea (d) Dog and Bitch 18. Find the odd one among these: (a) Lake (b) River (c) Pool (d) Sea (d) Ow and Buffalo (b) Cock and Hen (c) Horse and Mare (d) Dog and Bitch 18. Find the odd one among these: (a) Lake (b) River (c) Pool (d) OoBY (d) OoBY (e) Hill and III follow (d) None of the above 16. If EDUCATION is coded as NOITACUDE, then REDFORT will be coded as: (a) TROFDER (b) FORTRED (c) TROFRED (c) TROFRED (d) FORTDER (d) Dog and Bitch 18. Find out the pair which is dif	3.	A garden is 90 m long and 75 m broad. A path	
the area of the path:  (a) $850  \text{m}^2$ (b) $6750  \text{m}^2$ (c) $1750  \text{m}^2$ (d) $7600  \text{m}^2$ 4. Which of the following numbers is divisible by $33$ ?  (a) $1333$ (b) $1375$ (c) $2133$ (d) $2145$ 5. H.C.F of $36$ and $264$ is:  (a) $6$ (b) $36$ (c) $792$ (d) $12$ 6. In how many years will a sum of money triple itself, the rate of interest being $10\%$ ?  (a) $15$ years (b) $20$ years (c) $10$ years (d) $18$ years  (c) $10$ years (d) $18$ years  (c) $10$ years (d) $18$ years  (c) $45$ years (d) $50$ years  (c) $45$ years (d) $50$ years  (c) $45$ years (d) $50$ years  (d) $45$ years (d) $50$ years  (e) $45$ years (d) $50$ years  (f) $45$ years (g) $45$ years (h) $45$ years  (g) $45$ years (h) $45$ years (h) $45$ years  (g) $45$ years (h) $45$ years  (h) $45$ years  (h) $45$ years  (h) $45$ years  (h) $45$ years  (h) $45$ years  (h) $45$ years  (h) $45$ years  (h) $45$ years  (h)			14. If 'A' is in the north of B and C is in the west
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<ul> <li>4. Which of the following numbers is divisible by 33? <ul> <li>(a) 1333</li> <li>(b) 1375</li> <li>(c) 2133</li> <li>(d) 2145</li> </ul> </li> <li>5. H.C.F of 36 and 264 is: <ul> <li>(a) 6</li> <li>(b) 36</li> <li>(c) 792</li> <li>(d) 12</li> </ul> </li> <li>6. In how many years will a sum of money triple itself, the rate of interest being 10%? <ul> <li>(a) 15 years</li> <li>(b) 20 years</li> <li>(c) 10 years</li> <li>(d) 18 years</li> </ul> </li> <li>7. Manu's age is 6 times Binu's age. 15 years hence Manu will be 3 times as old as Binu. Find Binu's age: <ul> <li>(a) 60 years</li> <li>(b) 10 years</li> <li>(c) 45 years</li> <li>(d) 50 years</li> </ul> </li> <li>8. Find the time taken by a 180 m long train running at 54 km/hr to cross a man standing on a platform: <ul> <li>(a) 4 seconds</li> <li>(b) 12 seconds</li> <li>(c) 30 seconds</li> <li>(d) 15 seconds</li> </ul> </li> <li>9. What number should be subtracted from each of the numbers 23, 30, 57 and 78 so that the remainders are in proportion? <ul> <li>(a) 4</li> <li>(b) 3</li> <li>(c) 6</li> <li>(d) 7</li> </ul> </li> <li>15. Statement: All the students passed the examination. Some students are girls. <ul> <li>Conclusion:</li> </ul> </li> <li>(II) None of the boys passed the Examination.</li> <li>(IV) None of the above</li> <li>(c) I, II and III follow</li> <li>(d) None of the above</li> </ul> <li>16. If EDUCATION is coded as NOITACUDE, then REDFORT will be coded as: <ul> <li>(a) TROFDER</li> <li>(b) FORTRED</li> <li>(c) TROFRED</li> <li>(d) For and Mare</li> <li>(d) Dog and Bitch</li> </ul> </li> <li>18. Find the odd one among these: <ul> <li>(a) Lake</li> <li>(b) River</li> <li>(c) Pool</li> <li>(d) Sea</li> </ul> </li> <li>19. If HOBBY is coded as IOBY and LOBBY is coded as MOBY then, BOBBY is Coded as: <ul> <li>(a) BOBY</li> <li>(b) COSY</li> <li>(c) NOBY</li> <li>(d) OOBY</li> </ul> </li> <li>(e) Gobol (d) 7</li> <li>(f) FORTRED</li> <li>(g) For REDFORT will be coded as well as the pair which is different from the other given pairs: <ul></ul></li>		(c) $1750 \text{ m}^2$ (d) $7600 \text{ m}^2$	
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(c) 6 (d) 7 10. If $\frac{y-x}{x} = \frac{3}{9}$ Find $y: x$ : (a) 28 (b) 32		(a) 4 (b) 3	(c) NOBY (d) OOBY
10. If $\frac{y-x}{x} = \frac{3}{9}$ Find $y:x$ : (a) 28		(c) 6 (d) 7	20. If $I = 9 \text{ YOU} = 61 \text{ then WE} =$
(a)11:8 (b) 8:11	10.	If $\frac{y-x}{x} = \frac{3}{5}$ Find $y : x$ :	(a) 28 (b) 32
		(a)11:8 (b) 8:11	(")

32. Who got the 'Dr. Sukumar Azhikode Thatwa-(c) 65 (d) 50 21. The transformer works on which principle: masi Endowment' for this year? (a) Dr. T.M. Thomas Issac (a) Electrostatic force (b) Magnetostatic force (b) V.S. Achuthanandan (c) Ramesh Chennithala (c) Snell's law (d) Electromagnetic induction (d) V.M. Sudheeran 33. Present Jnanpeed winner Raghuveer Chaud-22. Which is the most effective test to determine hari is a popular writer in ----- language. (b) Gujarati (a) Lipid profile test (a) Marathi (d) Telugu (b) Angiograph (c) Bengali 34. Which country was defeated by India to win (c) Western blot test her Seventh Crown in SAF Games? (d) MRI scan (b) Afghanistan (a) Pakistan 23. Minamata disease is due to: (d) Kirgistan (a) Arsenic (b) Lead (c) Kasakistan 35. Who is the present Governor of Reserve Bank (d) Mercury (c) Copper of India? 24. An alloy used in making heating elements for (a) P. Sadasivam electric heating device is: (b) C. Sankara Narayanan (a) German silver (c) Raghuram Rajan (b) Alloy steel (c) Nichrome (d) Ajith Dowal 36. Recently dead Mufti Muhammed Sayyid was (d) Solder the Chief Minister of-----State. 25. Phenomenon behind the formation of (a) Delhi rainbow: (b) Assam (a) Diffraction of light (b) Scattering of light (c) Jammu-Kashmir (c) Interference of light (d) Mizoram (d) Dispersion of light 37. Who scored 1009 runs in one innings, in 26. What is the name of the pigment which helps the Bhandari Trophy under-16 Inter School animal to see in dim light? Cricket? (a) Rhodopsin (b) Haemoglobin (a) Praveen Dhanvade (d) Chromatin (c) Photopsin (b) Prakash Dhanvade 27. What is oil of vitriol? (c) Pratheesh Dhanvade (a) Sodium Chloride (b) Nitric Acid (d) Pranav Dhanvade (c) Sulphuric Acid (d) Hydrochloric Acid 38. 'Miss World', Miriya Lalguna Roso belongs to 28. What is manufactured using Bessemer which of the following country? process? (a) Spain (b) France (a) Steel (b) Gold (c) Indonesia (d) Japan (c) Zinc (d) Silver 39. Who among the following was appointed as 29. A person suffering from bleeding gum need CEO of NITI AYOG? in his food: (a) Amithabh Bachan (a) Carotene (b) Citrus (b) Saniya Mirza (c) Vitamin K (d) Cod-liver oil (c) Amithabh Kanth 30. Which fossil organism is usually regarded (d) Arun Jaitly as the connecting link between birds and 40. World's largest Bird statue is built in Jatayu Nature Park. In which place of Kerala, it is reptiles? (a) Dryopithecus built? (b) Archaeopteryx (a) Chennamangalam (c) Australopithecus (b) Kothamangalam (d) Ardipithecus (c) Kaipamangalam (d) Chatayamangalam 31. Which of the following work won the 41. The literacy rate of India is:, 'Odakkuzhal Award' to S. Joseph? (a) 61% (b) 75%

(a) Manushyanu Oru Aamukham

(b) Chandranodoppam

(c) Chakkarappandhal

(d) Unnikkuttante Lokam

(d) 50% 42. Which is the tree generally grown for foresta-

(c) 80%

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- (a) Mango Tree
- (b) Coconut Tree
- (c) Banyan
- (d) Teak
- 43. Who was the first martyr in First Indian Independence War 1857?
  - (a) Jhansi Rani
  - (b) Mangal Pande
  - (c) Savarkar
  - (d) None
- 44. Who was the Chairman of Nehru Committee
  - (a) Jawaharlal Nehru
  - (b) Motilal Nehru
  - (c) Arun Nehru
  - (d) None
- 45. What is a Republic?
  - (a) In a democracy the head of the state is a nominated one
  - (b) The government is directly elected by the people
  - (c) The head of the state is hereditary and legislative is constituted by the representatives of people
  - (d) In a democracy, the head of the state is either directly or indirectly elected by the people
- 46. What is the official name of India?
  - (a) Democratic State of India
  - (b) Republic of India
  - (c) Socialist State of India
  - (d) Socialist Secular India
- 47. Which was the first linguistic state in Independent India?
  - (a) Karnataka
  - (b) Tamil Nadu
  - (c) Andhra Pradesh
  - (d) None of the above
- 48. In which river Bhakra-Nangal Dam is situated?
  - (a) Sutlei
- (b) Godavari
- (c) Narmada
- (d) Krishna
- 49. Swami Vivekananda delivered his famous Chickago Speech in:
  - (a) 1872 January 12
  - (b) 1892 September 11
  - (c) 1882 October 2
  - (d) 1867 November 1
- 50. What is the total length of NH49 (Kochi to Dhanushkodi)?
  - (a) 500 km
- (b) 550 km
- (c) 600 km
- (d) 440 km
- 51. Kochi Rajya Praja Mandalam was formed in the year:
  - (a) 1940
- (b) 1941

- (c) 1942
- (d) 1943
- 52. The original name of Vagbhatanandan, the famous social reformer in Kerala?
  - (a) Kelu Kuruppu
  - (b) Kunji Kannan
  - (c) Krishnan-Ayyan
  - (d) Kutti Krishnan
- 53. Gayathripuzha is the tributary of which river?
  - (a) Periyar
  - (b) Bharatha Puzha
  - (c) Chaliyar
  - (d) Pampa
- 54. K.S.E.B. was formed in the year:
  - (a) 1957
- (b) 1956
- (c) 1958
- (d) 1959
- 55. What is the name of rain water harvest programme organised by Kerala Government?
  - (a) Jalanidhi
  - (b) Harita
  - (c) Varsha
  - (d) Anugraha
- 56. Who founded 'Ananda Mahasabha' in 1918?
  - (a) Sahodaran Ayyappan
  - (b) Vagbhatanandan
  - (c) Brahmananda Sivayogi
  - (d) Agamananda Swami
- 57. Who wrote the famous book 'A Short History of the Peasant Movement' in Kerala?
  - (a) E.M.S. Namboothirippad
  - (b) C. Achutha Menon
  - (c) P.K Vasudevan Nair
  - (d) Pattom Tanupillai
- 58. Who founded Jatinasini Sabha?
  - (a) Anandatheerthan
  - (b) Chattampi Swamikal
  - (c) Pandit Karuppan
  - (d) Thycaud Ayya
- 59. In which district Mangalavanam, the smallest wild life sanctuary in Kerala situated?
  - (a) Ernakulam
- (b) Trissur
- (c) Wayanad
- (d) Idukki
- 60. Where is Kerala coconut research station situated?
  - (a) Kayamkulam
  - (b) Sadanandapuram
  - (c) Mannuthi
  - (d) Vellayani
- 61. The authority to issue 'writs' for the enforcement of Fundamental Rights rests with:
  - (a) The Parliament
  - (b) The President
  - (c) The Supreme Court and High Courts
  - (d) The CBI
- 62. Who is the Chairman of the Rajya Sabha?

MATHRUBHUMI THOZHILVARTHA Kerala Administrative Service, Secretariat Assistant Fact File

### >>Solved Paper

1

(a) The President (b) The Vice-President (c) Lok-Sabha Speaker (d) The Governor 63. The Public Service Commission in India, as the Union Public Service Commission was first called, was established in the year: (a) 1919 (b) 1926 (c) 1947 (d) 1950 64. Which Constitutional Amendment made right to free and compulsory education as a fundamental right? (b) 86<sup>th</sup> (a) 73<sup>rd</sup> (c)  $52^{nd}$ (d) 74<sup>th</sup> 65. Who is the present CAG? (a) Shashi Kant Sharma (b) Vinod Rai (c) Agarwal (d) H.K. Khanna 66. The Fundamental Rights of the Indian Citizens are enshrined in: (a) The Preamble (b) Part III of the constitution. (c) Part IV of the constitution (d) Part V-A of the constitution 67. Which of the following Article of the constitution deals with the Fundamental Duties of the Indian Citizens? (a) Article 51-A (b) Article 29-B (c) Article 21-A (d) Article 39-C 68. In which year the National Development Council (NDC) was established? (a) 1948 (b) 1950 (c) 1952 (d) 1957 69. The National Human Rights Commission was established in the year: (a) 1993 (b) 1975 (c) 2001 (d) 1996 . 70. Who is the Chairperson of Kerala State Vanitha Commission? (a) K. Ajitha (b) Sugathakumari (c) C.K. Janu (d) K.C. Rosakutty 71. The passive form of 'This shop sells all the vegetables' is: (a) All the vegetables are sold by this shop (b) All the vegetables are sold in this shop (c) All the vegetables have been sold by this (d) All the vegetables are being sold by this 72. I was going ..... the documents last evening. (a) on (b) in (c) through (d) about 73. The problem was ...... difficult that I could

not solve it. (b) so (a) very (d) much (c) too In which part of the questions 74 and 75 is the mistake? 74. (a) it was Shakespeare (b) and not no one else (c) who wrote this play -(d) at the beginning of the sixteenth century 75. (a) the film (b) that I saw yesterday (c) was about an old man (d) who was living a long time ago 76. The indirect form of 'Do you like comics?' she asked me is: (a) She asked me whether I like comics (b) She asked me whether I have liked comics (c) She asked me whether I liked comics (d) She asked me did I like comics 77. Let us go for a walk,: (a) do we? (b) shall we? (c) don't we? (d) didn't we? 78. It was raining when I ..... home yesterday. (a) had reached (b) has reached (c) had been reaching (d) reached 79. Germany is ..... European country. (a) a (b) an (c) the (d) no article required 80. Milk is ..... in proteins and minerals. (a) good (b) large (c) big (d) rich 81. Anganwadi centres are functioning under the programme: (a) IRDP (b) NRDP (c) KUDUMBASHREE (d) ICDS 82. The ..... was launched in December 2001 to ameliorate the conditions of the urban slum dwellers living below the poverty line without adequate shelter (a) Valmiki Ambedkar Awas Yojana (b) Bharat Nirman (c) Samagra Awas Yojana (d) PMRY 83. This is a comprehensive housing scheme launched with a view to ensure the integrated provision of shelter, sanitation and drinking water. The basic objective of the programme is to improve the quality of life of the people as well as the overall habitat in rural areas: (a) Samagra Awas Yojna (b) Antyodaya Anna Yojana

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(c) Sampoorna Grameen Rozgar Yojana

(d) Adarsh Gram Yojana

84. Which programme is launched on the lookout for the 'poorest of the poor' by providing them 35 kilograms of rice and wheat at Rs.3 and Rs. 2 per kg. respectively?

(a) National Food for Work Programme

(b) Adarsh GramYojana

(c) Antyodaya Anna Yojna

(d) Sampoorna Grameen Rozgar Yojana

85. Which plan was called as Mehalnobis plan named after the well-known economist?

(a) First plan 1951 to 56

(b) Second plan 1956 to 61

(c) Third plan 1961 to 66

(d) Fourth plan 1969 to 74

86. Who is the implementing officer at district level responsible for the monitoring and supervision of national food for work programme?

(a) District industrial officer

(b) District Collector.

(c) District civil supplies officer

(d) District information officer

87 Jawhar Rozgar Yojna was launched in April 1st 1989, by combining the two programmes:

(a) RLEGP, NRDP

- (b) IRDP, NREP
- (c) NREP, RLEGP
- (d) NRDP, IRDP
- 88. Kudumbashree mission was launched on May 17th 1998 by our former Prime Minister,

(a) Sri. Narasimha Rao

(b) Sri: Manmohan Singh

(c) Sri A.B. Vajpai

(d) Sri. S.R. Devagouda

89. Mahila Samridi Yojana was started in 1998 on the day of:

(a) Women's day

(b) Gandhi Jayanthi

(c) Independence day

(d) Republic day

90. To change negative family and community attitudes towards the girl child at birth and towards her mother is the prime objective of:

(a) Integrated Child Development Scheme

(b) Mahila Samridhi Yojana

(c) Indira Awas Yojana

(d) Balika Samridhi Yojana 91. Name the Act that governs the internet usage in India:

(a) The IT Gazette of India Act, 2004

(b) The Information Technology Act, 2000

(c) The Internet Usage Act, 2002

(d) The Right to Information Act, 2005

92. An attempt to criminally and fraudulently acquire sensitive information, such as usernames, passwords and credit card details, by masquerading as a trust worthy entity in an electronic communication is termed as:

(a) Spooling

(b) Tracking

(c) Bugging

(d) Phishing

93. A device that modulates signals to encode digital information and demodulates signals to decode the transmitted information:

(a) modem

(b) decoder

(c) encoder

- (d) modulator
- 94. 'mpg' extension refers usually to what kind

(a) Text/Document file

(b) Image file

(c) Animation/movie file

(d) All the above

95. The brain of any computer system is:

(a) Memory

(b) Peripheral Unit

(c) CPU

(d) Control unit

96. An attempt to make a computer resource unavailable to its intended users is called: .

(a) Malware attack

- (b) Worms attack
- (c) Denial -of-service attack

(d) Adware attack

97. Who is considered to be the first programmer?

(a) Ada Lovelace

(b) Alan Turing

- (c) Charles Babbage
- (d) Von Neumann
- 98. A computer program that is used to convert an assembly language to machine language is:

(a) Compiler

- (c) Assembler
- (b) Interpreter

(d) Comparator

99. Codes consisting of light and dark marks of various thickness which may be optically read is known as:

(a) Operand

- (b) Bar code
- (c) Decoder
- (d) Op code

100. The inventor of world wide web:

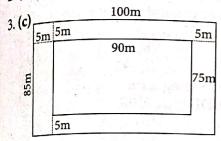
- (a) Tim Berner's Lee
- (b) MarcAndreessen
- (c) James H. Clark
- (d) Robert Cailliau

MATHRUBHUMI THOZHILVARTHA

## **Mathematics: Explanations**

1. (a) 
$$M_1 T_1 = M_2 T_2$$
  
 $4 \times 10 = 6 \times T_2$   
 $T_2 = \frac{4 \times 10}{6}$   
 $= 6 \frac{2}{3} \text{hours}$ 

$$\sum_{2, (c)} \frac{xy}{y-x} = \frac{12 \times 18}{18 - 12} = \frac{12 \times 18}{6} = 36$$



Area of path = Area of big rectangle – Area of small rectangle

- $=100 \times 85 90 \times 75$
- $= 8500 6750 = 1750 \text{ m}^2$
- 4. (d)  $33=3\times11$

If a number is divisible by 33, it should be divisible by 3 and 11.

Here 2145 is the only number which can be divided by 3 and 11.

$$H.C.F = 2 \times 2 \times 3 = 12$$

6. **(b)** 

The amount will be double in

- $\rightarrow \frac{100}{R}$  Years =  $\frac{100}{10}$  Years
- = 10 years
- It will be tripled in  $\rightarrow$  20 years
- 7. (b) Binu's age $\rightarrow x$

Manu's age  $\rightarrow 6x$ 

15 years hence Binu's age $\rightarrow x+15$ 

15 years hence Manu's age $\rightarrow 6x+15$ 

now 6x + 15 = 3(x+15)

6x + 15 = 3x + 45

6x-3x = 45-15

3x = 30  $x = \frac{30}{3} = 10$ 

Binu's present age→ 10 years

(b) Time = Distance speed

 $=\frac{180}{54 \times 5}$   $=\frac{180}{3 \times 5} = \frac{180}{15} = 12$  seconds

(c) From the option

When 6 is subtracted we get

 $\frac{17}{10}$ : 24 = 51 : 72

$$\frac{y-x}{x} = \frac{3}{8}$$

$$\frac{y}{x} - 1 = \frac{3}{8}$$
  $\frac{y}{x} = \frac{3}{8} + 1$   $\frac{3+8}{8} = \frac{11}{8}$   $y: x = 11: 8$ 

12(c) 
$$2 + 4 \rightarrow 6$$

$$6 + 12 \rightarrow 18$$

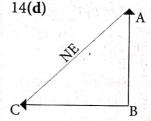
18+36→ 54

next term is  $54+36\times3 = 54+108 = 162$ 

13(d)

$$B \xrightarrow{+3} E \xrightarrow{+3} H \xrightarrow{+3} K \xrightarrow{+3} N$$

Next term is  $N \xrightarrow{+3} Q$ 



North east

- 15 (d)
- 16 (a) Here the code is done by writing letters of the word in reverse order
  - : REDFORT is coded as TROFDER
- 17 (a) Male female relation does not follow in cow and buffalo
- 18 (b).
- 19 (b) bobby →coby
- 20 (a)  $1 \rightarrow 9$

 $YOU \rightarrow 25 + 15 + 21 = 61$  similarly

 $WE \rightarrow 23 + 5 = 28$ 

### Answers

- 1. (a) 2. (c) 3. (c) 4. (d) 5. (d) 6.(b)
- 7. (b) 8(b) 9(c) 10(a) 11(c)
- 12(c) 13(d) 14(d) 15(d) 16(a) 17(a)
- 18(b) 19(b) 20(a) 21(d) 22(c) 23(d)
- 24(c) 25(d) 26(a) 27(c) 28(a) 29(b)
- 30(b) 31(b) 32(a) 33(b) 34 Mistake in
- Question 35 Urjit Patel 36(c) 37(d)
- 38(a) 39(c) 40(d) 41. Right Answer-
- 74.04 % 42(d) 43(b) 44(b) 45(d)
- 46(b) 47(d) 48(a) 49. Right Answer- 1893
- September-1150(d) 51(b) 52(b) 53(b)
- 54(a) 55(c) 56(c) 57(a) 58(a) 59(a)
- 60(a) 61(c) 62(b) 63(b) 64(b) 65 Rajiv
- Mehrishi 66(b) 67(a) 68(c) 69(a)
- 70 M.C. Josephine 71 (a) 72 (c) 73 (b)
- 74 (b) 75 (d) 76 (c) 77 (b) 78 (d) 79(a)
- -6(1) 01(1) 02(-1) 02(-1) 04(-1) 07(1)
- 80 (d) 81(d) 82(a) 83(a) 84(c) 85(b)
- 86(b) 87(c) 88(c) 89(b) 90(d) 91(b)
- 92(d) 93(a) 94(c) 95(c) 96(c) 97(a)
- 98(c) 99(b) 100(a).