

Paper Code No: B04

Question Booklet No. ....

**ENTRANCE EXAMINATION – 2020**  
**SET – D**

Roll No. 

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Signature of Invigilator

Time: 1 Hour 30 Minutes

Total Marks: 100

**Instructions to Candidates**

1. Do not write your name or put any other mark of identification anywhere in the OMR Answer Sheet. IF ANY MARK OF IDENTIFICATIONS IS DISCOVERED ANYWHERE IN OMR RESPONSE SHEET, the OMR sheet will be cancelled, and will not be evaluated.
2. This Question Booklet contains the cover page and a total of 100 Multiple Choice Questions of One mark each.
3. Space for rough work has been provided at the beginning and end. Available space on each page may also be used for rough work.
4. There is negative marking in Multiple Choice Questions. For each wrong answer, 0.25 marks will be deducted.
5. USE/POSSESSION OF ELECTRONIC GADGETS LIKE MOBILE PHONE, iPhone, iPad, pager ETC. is strictly PROHIBITED.
6. Candidate should check the serial order of questions at the beginning of the test. If any question is found missing in the serial order, it should be immediately brought to the notice of the Invigilator. No pages should be torn out from this question booklet.
7. Answers must be marked in the OMR Response sheet which is provided separately. OMR Response sheet must be handed over to the invigilator before you leave the seat.
8. The OMR Response sheet should not be folded or wrinkled. The folded or wrinkled OMR/Response Sheet will not be evaluated.
9. Write your Roll Number in the appropriate space (above) and on the OMR Response Sheet. Any other details, if asked for, should be written only in the space provided.
10. There are four options to each question marked A, B, C and D. Select one of the most appropriate options and fill up the corresponding oval/circle in the OMR Response Sheet provided to you. The correct procedure for filling up the OMR Answer Sheet is mentioned below.

<b>CORRECT METHOD</b>				
<table style="display: inline-table;"><tr><td style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 0 10px;">A</td><td style="background-color: black; width: 20px; height: 20px; border-radius: 50%; margin: 0 10px;"></td><td style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 0 10px;">C</td><td style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 0 10px;">D</td></tr></table>	A		C	D
A		C	D	

WRONG METHODS																																		
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**Question 1-5: In these questions, out of the four alternatives choose the one which can be substituted for the given word/sentence.**

1. The quality of being politely firm and demanding.

- (a) Assertive (b) Bossy  
(c) Aggressive (d) Lordly

2. A person who loves wealth and spends as little money as possible.

- (a) Curmudgeon (b) Money-grabber  
(c) Scrimp (d) Miser

3. One who eats human flesh.

- (a) Man-eater (b) cannibal  
(c) beast (d) savage

4. Extremely talkative

- (a) Loquacious (b) Iconoclastic  
(c) Gullible (d) Pompous

5. One who is indifferent to pleasant or pain

- (a) Stoic (b) Stylist  
(c) Cynic (d) Psychic

**Question 6-10: Read the passage carefully and answer the questions given below:**

Gandhiji recognised that, while all men should have equal opportunity, all did not have the same capacity. Some had the ability to earn more than others. But, he believed that those who had talent would be performing the work of society if they used their talent wisely and well. Gandhiji said that he would allow a man of intellect to earn more and not suppress his talent. But it was his view that the bulk of his larger earning should go to the common fund. Those with talent and opportunity would find their fulfilment as trustees. Gandhiji extended this concept of trusteeship to cover all fields of life.

6. Gandhiji never believed in

- |                        |                                       |
|------------------------|---------------------------------------|
| (a) Social equality    | (b) Equality of opportunities         |
| (c) Political equality | (d) Complete equality in all respects |

7. Gandhiji's trusteeship concept is

- |                                      |                                    |
|--------------------------------------|------------------------------------|
| (a) A philosophy                     | (b) Applicable to social life only |
| (c) Applicable to all fields of life | (d) Irrelevant today               |

8. The meaning of "trustee" is a

- (a) Person who has to hold his property in trust
- (b) State officials who executes wills and trusts
- (c) Person having confidence
- (d) Number of trusts



9. The title of the passage should be
- (a) Gandhiji's Character (b) Ghandhiji's Views  
(c) Ghandhiji's services (d) Gandhiji's Philosophy
10. According to Ghandhiji, one can serve the society
- (a) If one is talented (b) If one used his talent wisely  
(c) If one earned well (d) If one worked honestly

**Question 11-15: In the following questions, a sentence has been given in active/passive voice. Out of the four alternatives suggested, select the one and mark your answer accordingly.**

11. I take milk every morning.
- (a) Milk was taken every morning by me.  
(b) Milk has taken every morning by me  
(c) Milk is taken every morning by me.  
(d) None of these.
12. I respect my parents.
- (a) My parents is respected by me.  
(b) My parents have respected by me.  
(c) My parents are respected by me.  
(d) My parents has respected by me.

13. The manager paid him the wages.

- (a) He is paid the wages by the manager
- (b) He was paying the wages by the manager.
- (c) He is paying the wages by the manager.
- ☒ (d) He was paid the wages by the manager.

14. Did they give you any prize?

- (a) Was you given any prize by them?
- (b) Were you given any prize by them?
- (c) Does any prize given to you by them?
- (d) Do any prize given to you by them?

15. You flatter your boss.

- (a) Your boss was flattered by you. ☒ (b) Your boss is flattered by you.
- (c) Your boss has flattered by you. (d) Your boss had flattered by you.

**Question 16-20:** In each of the following sentences one word has been italicised. Under each sentences four alternative words are given for the italicised word. Select the most appropriate one.

16. She had already *narrated* the adventure.

- (a) Intimated
- (b) to let down
- ☒ (c) summarized
- (d) to tell/recount



17. The fact threw an *odious* light on the incident.

- (a) Foul smelling
- (b) hateful
- (c) dirty
- (d) open

18. Why are you so *tetchy* with your wife?

- (a) Emotional
- (b) jealous
- (c) Irritable
- (d) unfriendly

19. Sunil's *vocation* is both paying and pleasant.

- (a) Holidays
- (b) occupation
- (c) business
- (d) attitude

20. It is my *candid* advice to you.

- (a) Frank
- (b) well thought
- (c) humble
- (d) simple

21. Gross Environment Product (GEP) measures a state's natural resources. Which of the following is not one of the elements in the annual update used to measure GEP?

- (a) Forests
- (b) Rivers
- (c) Industries
- (d) Soil

22. Which Indian Institute has been recently named after Manohar Parrikar?
- (a) Institute for Defence Studies and Analyses (IDSA)
  - (b) Indian Institute of Advance Technology (IIAT)
  - (c) Indian Institute of Planning and Management (IIPM)
  - (d) Institute for Agricultural Studies (IAS)
23. Ashraf Ghani won a second term as the President of which country?
- (a) Iraq
  - (b) Iran
  - (c) Saudi Arabia
  - (d) Afghanistan
24. Bank rate refers to:
- (a) The rate at which banks lend to its prime borrowers
  - (b) The maximum rate that banks can pay for deposit
  - (c) The rate at which banks rediscount bills with RBI
  - (d) The rate of interest charged on inter-bank transactions
25. Which country is hosting the FIFA U-17 Women's Football World Cup 2020?
- (a) Bangladesh
  - (b) India
  - (c) China
  - (d) Afghanistan
26. Which among the following is considered to be the last Independent Nawab of Bengal?
- (a) Siraj-ud-Daula
  - (b) Mir Kasim
  - (c) Mir Jafar
  - (d) Shujaud Daula



27. Which Ministry recently announced to set up the Central Consumer Protection Authority?
- (a) Ministry of Finance
  - (b) Ministry of Consumer Affairs, Food and Public Distribution
  - ☒ (c) Ministry of Food Processing Industries
  - (d) Ministry of Agriculture and Farmers' Welfare
28. When is the World Day of Social Justice observed globally?
- (a) 18<sup>th</sup> February
  - (b) 19<sup>th</sup> February
  - (c) 20<sup>th</sup> February
  - (d) 21<sup>st</sup> February
29. Who headed the High level committee which submitted the report on implementation of Clause 6 of the Assam Accord of 1985 to Assam Chief Minister (CM) Sarbananda Sonowal (Feb 2020)?
- (a) Justice Mukul Mudgal
  - (b) Justice Madan Lokur
  - (c) Justice Biplab Kumar Sarma
  - (d) Justice Sanjiv Khanna
30. Who among the following edited and published the newspaper Indian Mirror in 1861?
- (a) Amitava Ghosh
  - (b) Ravindranath Tagore
  - (c) Sumit Ganguly
  - (d) Manmohan Ghosh and Devendranath Tagore



31. Lord Ripon appointed Hunter commission for:

- (a) Combating terrorism and other anti-national activities
- (b) Educational reforms in India
- (c) Appointment of Indian Judges in higher judiciary
- ☒ (d) None of the above

32. Which country has recently successfully test-fired Ra'ad-11 Cruise Missile?

- (a) India
- (b) Ukraine
- (c) Pakistan
- (d) Iran

33. Which of the Indian sports personality recently won Laureus World Sports Awards 2020 in best sporting moment category?

- (a) MS Dhoni
- (b) Sania Mirza
- (c) Rahul Dravid
- ☒ (d) Sachin Tendulkar

34. A dual economy means:

- 1. the existence of black money and white money
- 2. the existence of agriculture and industry
- 3. the existence of commercial agriculture with subsistence farming
- 4. modern industry and commercial agriculture co-existence with subsistence farming and traditional handicrafts

Select the correct answer from the codes given below:

- (a) 1 only
- (b) 1,2 and 4
- (c) 2, 3 and 4
- (d) All of these



35. The name of Barindra Ghosh is associated with which among the following newspapers?
- (a) Indian Opinion (b) Jugantar  
(c) Ghadar (d) Maharatta
36. Which South Asian country has adopted Gross National Happiness as an index of the well-being of its citizen?
- (a) Bangladesh (b) Bhutan  
(c) Sri Lanka (d) Myanmar
37. What is the status of House Sparrow in India as per the State of India's Birds 2020 Report?
- (a) Stable (b) Uncertain  
(c) Strong Decline (d) Data not Available
38. Who among the following presided the historic Lahore session of 1929 of Indian National Congress?
- (a) Pandit Jawaharlal Nehru (b) Rajendra Prasad  
(c) Lala Lajpat Rai (d) Pandit Motilal Nehru
39. Name the Indian State, which becomes 1<sup>st</sup> in the country to launch unified vehicle registration and 2<sup>nd</sup> to launch unified driving license after Uttar Pradesh.
- (a) Odisha (b) Madhya Pradesh  
(c) Punjab (d) Jharkhand



40. The birth name of which among the following famous mystics was Gadadhar Chattopadhyay?
- (a) Swami Vivekananda (b) Ram Krishna Paramhansa  
(c) Sri Aurobindo (d) Swami Prabhupada
41. Who among the following was the author of Anand Math?
- ~~(a)~~ Bankim Chandra Chatterjee (b) Ravindranath Tagore  
(c) Raja Ram Mohan Roy (d) Bal Gangadhar Tilak
42. Who among the following has written Ghoolamgiri?
- (a) Ishwar Chandra Vidyasagar (b) Acharya Vinoba Bhave  
~~(c)~~ Jyotiba Phule (d) Dadu Dayal
43. During the US president Donald Trump's visit to India (Feb 24-25, 2020), US has finalized the defence deal worth \_\_\_\_\_ for the sale of six AH-64E Apache Helicopters, and 24 MH-60R Sea Hawk helicopters to India.
- (a) \$ 750 Million (b) \$ 10 Billion  
(c) \$ 117 Million (d) \$ 3 Billion
44. Who among the following founded the Madras Labour Union?
- (a) Subodh Banerjee (b) B.P. Wadia  
(c) Lala Lajpat Rai (d) Bharat Bhushan Pandey



45. Which of the following is the characteristic of business?
- (a) Production (b) Exchange or sale  
(c) Risk element (d) All the above
46. What type of mirror can be used to obtain the real image of an object?
- (a) Plane mirror (b) Concave mirror  
(c) Convex mirror (d) No mirror can produce a real image
47. The constitution of India is divided into how much division
- (a) 22 (b) 17  
(c) 12 (d) 11
48. Who is the author of 'The Accidental Prime Minister: The Making and Unmaking of Manmohan Singh' book?
- (a) Sanjay Baru (b) Chetan Bhagat  
(c) Robert (d) Dr. Manmohan Singh
49. The main active constituent of tea and coffee is:
- (a) Nicotine (b) Chlorophyll II  
(c) Caffeine (d) Aspirin
50. Which Indian economist linked poverty with the concept of entitlement?
- (a) Jagdish Bhagwati (b) Partha Dasgupta  
(c) Amartya Sen (d) Arvind Panagariya



51. The state which has the lowest percentage of persons below the poverty line is:
- (a) Kerala (b) Maharashtra  
(c) Punjab (d) Gujarat
52. The sun and moon appear elliptical near the horizon due to
- (a) Optical illusion (b) Interference  
(c) Refraction (d) Actual change in shapes
53. The smallest information storage unit of computer and telecommunication system is:
- (a) Bit (b) Binary Unit  
(c) Binary Numbers (d) Byte
54. The sky appears blue because
- (a) It is actually blue  
(b) The atmosphere scatters blue colours more than the others  
(c) All colours interfere to produce blue  
(d) In white light the blue component dominates
55. Which agency is responsible for the estimation of poverty in India?
- (a) NITI Aayog  
(b) Rural Development Ministry  
(c) Ministry of Food and Civil Supplies  
(d) Finance Commission



56. Depository services refer to:
- (a) A new scheme of fixed deposits
  - (b) A method of regulating stock exchanges
  - (c) An agency for safe-keeping securities
  - (d) An advisory service to investors
57. Which state has the largest number of representatives in the Rajya Sabha?
- (a) Uttarakhand
  - (b) Rajasthan
  - (c) Madhya Pradesh
  - (d) ☒ Uttar Pradesh
58. Which state of Indian is in first position in cement production?
- (a) Haryana
  - (b) Rajasthan
  - (c) Tamilnadu
  - (d) Sikkim
59. Find the organization, which secured \$118 Million through offshore India rupee linked 10-year bonds (Feb 2020).
- (a) World Bank (WB)
  - (b) New Development Bank (NOB)
  - (c) Asian Development Bank (ADB)
  - (d) Export-Import Bank (EXIM)
60. The most abundant source of iron is
- (a) Milk products
  - (b) Green vegetables
  - (c) Eggs
  - (d) Beans



61. Find the odd man out from the given alternatives:

- (a) Nehru Trophy (b) Rangaswami Cup  
(c) Bombay Gold Cup (d) Narang Cup

62. In each number, if first digit of number is subtracted by 1 and third digit is subtracted by 3 and then both the digit are interchanged with each other, what will largest number.

- (a) 379 (b) 536  
(c) 468 (d) 355

63. Find the missing series 5, 7.5, 12.5, 22.5, ?

- (a) 42.5 (b) 42  
(c) 44 (d) 43.5

64. K6V, M12U, 018T, ?

- (a) Q22Z (b) 024X  
(c) S20P (d) Q24S

65. Find the missing series 2, 3, 8, 63, ?

- (a) 3900 (b) 3636  
(c) 3968 (d) 3988

$$\begin{array}{l} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 5 \times 5 = 25 \end{array}$$

$$\begin{array}{l} 1 + 1 = 2 \\ 2 + 1 = 3 \\ 3 + 1 = 4 \\ 4 + 1 = 5 \end{array}$$

[16]

$$\begin{array}{r} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 5 \times 5 = 25 \\ 6 \times 6 = 36 \\ 7 \times 7 = 49 \\ 8 \times 8 = 64 \\ 9 \times 9 = 81 \end{array}$$

2968



66. A series is given one term missing. Choose the correct alternative from the given options that will complete the series.

AZWD, CXUF, ?, GTQJ

- (a) EVSH (b) EUTH  
(c) EUSH (d) EVIP

67. A/2, B/4, C/6, D/8

- (a) E/8, F/10 (b) E/12, F/14  
(c) E/10, F/12 (d) D/10, E/10

68. Pointing to a photograph on the wall, Anil says to Nitesh, "The person in the photograph is the son of my mother's sister and is your brother". Which of the following is true?

- (a) Nitesh is Anil's nephew  
(b) Anil is Nitesh's brother-in-law  
(c) Nithesh's mother is Anil's sister  
(d) Anil and Nitesh are cousins

69. R is denoted by N, C is denoted by T, I by U, O by I, E by R, T by O and V by P, then how will the word VERIFICATION be written ?

- (a) PRNUEUTHOUIR (b) VRNUEUTAOUIN  
(c) PRNUFUTAOUIN (d) PRNUFVOAOUIN



70. Conceit : Arrogance :: Tirade : ?

(a) Outburst

(b) Forget

(c) Quiet

(d) Add

71. Vivacious : Sprightly :: Adherent : ?

(a) Cease

(b) Stop

(c) Careful

(d) Devotee

72. Subterfuge : Scheme :: Fury : ?

(a) Harmony

(b) Stop

(c) Avoidable

(d) Anger

73. Fascinate : Charm :: Rash : ?

(a) Bad

(b) Current

(c) Impetuous

(d) Refuse

74. How many squares are there in a chess board ?

☒ (a) 64

(b) 68

(c) 204

(d) 206

75. D-4, F-6, H-8, J-10, ?, ?

(a) K-12, M-13

(b) L-12, M-14

☒ (c) L-12, N-14

(d) K-12, M-14



76. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?

- |             |              |
|-------------|--------------|
| (a) Manure  | (b) Nitrogen |
| (c) Ammonia | (d) Urea     |

77. From the given alternatives, find the word which can be formed from the letters used in the given word.

MANUFACTURE

- |  |            |
|--|------------|
| <input checked="" type="checkbox"/> (a) FRACTURE | (b) MANNER |
| (c) MATTER                                       | (d) FACE   |

78. Find the odd one out

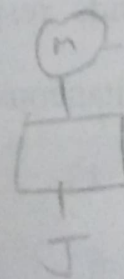
- |              |           |
|--------------|-----------|
| (a) Copper   | (b) Brass |
| (c) Platinum | (d) Zinc  |

79. Find the odd man out from the given alternatives:

- |  |            |
|--|------------|
| <input checked="" type="checkbox"/> (a) Dive | (b) Trench |
| (c) Canal                                    | (d) Ditch  |

80. If J is grandchild of M then how is N related to J?

- |                 |                 |
|-----------------|-----------------|
| (a) Grandmother | (b) Grandfather |
| (c) Brother     | (d) Sister      |



36.25



81. The average marks scored by Ganesh in English, Science, Mathematics and History is less than 15 from that scored by him in English, History, Geography and Mathematics. What is the difference of marks in science and Geography secured by him?

(a) 40

(b) 50

~~(c) 60~~

(d) Data inadequate

82. The Product of two successive even numbers is 6888. Which is the greater of the two numbers?

(a) 78

(b) 82

(c) 86

~~(d) None of the above~~

83. The average of 10 numbers is 7. What will be the new average if each of the numbers is multiplied by 8?

(a) 45

(b) 52

(c) 56

(d) 55

$$\begin{aligned} \text{Avg} &= \frac{\text{Sum}}{n} \\ 7 &= \frac{\text{Sum}}{10} \\ \text{Sum} &= 70 \end{aligned}$$

81

84. There are five bells which start ringing together at intervals of 3, 6, 9, 12 and 15 seconds respectively. In 36 minutes, how many times will the bells ring simultaneously?

(a) 13

(b) 12

(c) 6

~~(d) 5~~



85. train running at speed of 120km/h crosses a signal post in 15 seconds. What is the length of the train in meters?
- (a) 300M (b) 200M  
(c) 500M (d) 100M
86. A man travelled a distance of 80 km in 7 hours partly on foot at the rate of 8 km/hr and partly on bicycle 16 km/hr. The distance travelled on the foot is:
- (a) 32 km (b) 48 km  
(c) 36 km (d) 44 km
87. Find the least number which when divided separately by 15, 20, 36, and 48 leaves 3 as remainder in each case.
- (a) 183 (b) 243  
(c) 483 (d) 723
88. The sum of the squares of two consecutive even numbers is 6500. Which is the smaller number?
- (a) 54 (b) 52  
(c) 48 (d) 56
89. Two numbers are in the ratio 5:6 if their H.C.F is 4, then their L.C.M will be:
- (a) 90 (b) 96  
(c) 120 (d) 150



90. 67.99% of 1401-13.99% of 1299 is:

(a) 700

(b) 720

(c) 770

(d) 800

91. 250 men can finish a work in 20 days working 5 hours a day. To finish the work within 10 days working 8 hours a day, the minimum number of men required is

(a) 310

(b) 300

☒ (c) 313

☒ (d) 312

$$250 \times 20 \times 5 = 10 \times 8 \times x$$
$$\frac{250 \times 20 \times 5}{8} = x$$
$$\frac{25000}{8} = x$$
$$3125 = x$$
$$\frac{3125}{9} = 347.22$$
$$\frac{347.22}{1.1} = 315.66$$
$$\frac{315.66}{1.1} = 286.96$$
$$\frac{286.96}{1.1} = 260.87$$
$$\frac{260.87}{1.1} = 237.15$$
$$\frac{237.15}{1.1} = 215.59$$
$$\frac{215.59}{1.1} = 195.99$$
$$\frac{195.99}{1.1} = 178.17$$
$$\frac{178.17}{1.1} = 161.97$$
$$\frac{161.97}{1.1} = 147.25$$
$$\frac{147.25}{1.1} = 133.86$$
$$\frac{133.86}{1.1} = 121.69$$
$$\frac{121.69}{1.1} = 110.63$$
$$\frac{110.63}{1.1} = 100.57$$
$$\frac{100.57}{1.1} = 91.43$$
$$\frac{91.43}{1.1} = 83.12$$
$$\frac{83.12}{1.1} = 75.56$$
$$\frac{75.56}{1.1} = 68.69$$
$$\frac{68.69}{1.1} = 62.45$$
$$\frac{62.45}{1.1} = 56.77$$
$$\frac{56.77}{1.1} = 51.61$$
$$\frac{51.61}{1.1} = 46.92$$
$$\frac{46.92}{1.1} = 42.65$$
$$\frac{42.65}{1.1} = 38.77$$
$$\frac{38.77}{1.1} = 35.25$$
$$\frac{35.25}{1.1} = 32.05$$
$$\frac{32.05}{1.1} = 29.14$$
$$\frac{29.14}{1.1} = 26.49$$
$$\frac{26.49}{1.1} = 24.08$$
$$\frac{24.08}{1.1} = 21.89$$
$$\frac{21.89}{1.1} = 19.90$$
$$\frac{19.90}{1.1} = 18.09$$
$$\frac{18.09}{1.1} = 16.45$$
$$\frac{16.45}{1.1} = 14.95$$
$$\frac{14.95}{1.1} = 13.59$$
$$\frac{13.59}{1.1} = 12.35$$
$$\frac{12.35}{1.1} = 11.23$$
$$\frac{11.23}{1.1} = 10.21$$
$$\frac{10.21}{1.1} = 9.28$$
$$\frac{9.28}{1.1} = 8.44$$
$$\frac{8.44}{1.1} = 7.67$$
$$\frac{7.67}{1.1} = 6.97$$
$$\frac{6.97}{1.1} = 6.34$$
$$\frac{6.34}{1.1} = 5.76$$
$$\frac{5.76}{1.1} = 5.24$$
$$\frac{5.24}{1.1} = 4.76$$
$$\frac{4.76}{1.1} = 4.33$$
$$\frac{4.33}{1.1} = 3.94$$
$$\frac{3.94}{1.1} = 3.58$$
$$\frac{3.58}{1.1} = 3.25$$
$$\frac{3.25}{1.1} = 2.95$$
$$\frac{2.95}{1.1} = 2.68$$
$$\frac{2.68}{1.1} = 2.44$$
$$\frac{2.44}{1.1} = 2.22$$
$$\frac{2.22}{1.1} = 2.02$$
$$\frac{2.02}{1.1} = 1.84$$
$$\frac{1.84}{1.1} = 1.67$$
$$\frac{1.67}{1.1} = 1.52$$
$$\frac{1.52}{1.1} = 1.38$$
$$\frac{1.38}{1.1} = 1.25$$
$$\frac{1.25}{1.1} = 1.14$$
$$\frac{1.14}{1.1} = 1.04$$
$$\frac{1.04}{1.1} = 0.94$$
$$\frac{0.94}{1.1} = 0.85$$
$$\frac{0.85}{1.1} = 0.77$$
$$\frac{0.77}{1.1} = 0.70$$
$$\frac{0.70}{1.1} = 0.64$$
$$\frac{0.64}{1.1} = 0.58$$
$$\frac{0.58}{1.1} = 0.53$$
$$\frac{0.53}{1.1} = 0.48$$
$$\frac{0.48}{1.1} = 0.44$$
$$\frac{0.44}{1.1} = 0.40$$
$$\frac{0.40}{1.1} = 0.36$$
$$\frac{0.36}{1.1} = 0.33$$
$$\frac{0.33}{1.1} = 0.30$$
$$\frac{0.30}{1.1} = 0.27$$
$$\frac{0.27}{1.1} = 0.25$$
$$\frac{0.25}{1.1} = 0.23$$
$$\frac{0.23}{1.1} = 0.21$$
$$\frac{0.21}{1.1} = 0.19$$
$$\frac{0.19}{1.1} = 0.17$$
$$\frac{0.17}{1.1} = 0.16$$
$$\frac{0.16}{1.1} = 0.14$$
$$\frac{0.14}{1.1} = 0.13$$
$$\frac{0.13}{1.1} = 0.12$$
$$\frac{0.12}{1.1} = 0.11$$
$$\frac{0.11}{1.1} = 0.10$$
$$\frac{0.10}{1.1} = 0.09$$
$$\frac{0.09}{1.1} = 0.08$$
$$\frac{0.08}{1.1} = 0.07$$
$$\frac{0.07}{1.1} = 0.06$$
$$\frac{0.06}{1.1} = 0.05$$
$$\frac{0.05}{1.1} = 0.04$$
$$\frac{0.04}{1.1} = 0.03$$
$$\frac{0.03}{1.1} = 0.02$$
$$\frac{0.02}{1.1} = 0.01$$
$$\frac{0.01}{1.1} = 0.00$$

92. A man is walking at a speed of 10 km/h. After every km, he takes a rest for 5 minutes. How much time will he take to cover a distance of 5 km?

(a) 60 Minutes

☒ (b) 50 Minutes

(c) 40 Minutes

(d) 70 Minutes

$$1 \text{ km} = 6 \text{ min}$$
$$5 \text{ km} = 30 \text{ min} + 20$$

$$1 \text{ km} = 6 \text{ min} + 5$$
$$3 \text{ km} = 18 \text{ min} + 15$$

$$1 \text{ h} \rightarrow 10 \text{ km}$$
$$\frac{1}{10} \text{ h} \rightarrow 1 \text{ km}$$
$$6 \text{ min} \rightarrow 1 \text{ km}$$
$$\frac{6}{10} \text{ h} \rightarrow 1 \text{ km}$$
$$30 \text{ min}$$

93. A train 300 m long is running with a speed of 54 Km/h. In what time will it cross a telephone pole?

☒ (a) 20 seconds

(b) 15 seconds

(c) 17 seconds

(d) 18 seconds

94. While computing mean of the grouped data, we assume that the frequencies are:

(a) Evenly distributed over all the classes

(b) Centered at the class marks of the classes

(c) Centered at the upper limits of the classes

(d) Centered at the lower limits of the classes



95. Find the greatest number which exactly divides 200 and 320

- (a) 10 (b) 20  
(c) 16 (d) 40

96. A car covers the first 35km of its journey in 45 minutes and the remaining 69km in 75 minutes. What is the average speed of the car?

- (a) 42km/hr (b) 50km/hr  
(c) 52km/hr (d) 60km/hr

$$\frac{2xy}{x+y} = 2x$$

97. 2 Men and 5 women can do a work in 12 days. 5 men and 2 women can do that work in 9 days. Only 3 women can finish the same work in:

- (a) 36 days (b) 21 days  
(c) 30 days (d) 42 days

$$\begin{array}{l} 2M + 5W \rightarrow 12D \\ 5M + 2W \rightarrow 9D \end{array}$$

$$\begin{array}{l} 2M + 5W \rightarrow 12D \\ 5M + 2W \rightarrow 9D \\ 3M + 3W \rightarrow 12D \end{array}$$

98. A, B, C and D are four consecutive odd numbers and their average is 42. What is the product of B and D?

- (a) 36 (b) 40  
(c) 1845 (d) 60

$$\begin{array}{l} x + x+2 + x+4 + x+6 = 42 \\ 4x + 12 = 42 \\ 4x = 30 \\ x = 7.5 \end{array}$$

99. 12 Men complete a piece of work in 24 days. In how many days can 8 men complete the same piece of work?

- (a) 28 (b) 36  
(c) 48 (d) 52

$$\begin{array}{l} 12M \rightarrow 24 \text{ days} \\ 1M \rightarrow 24 \times 12 \\ 8M \rightarrow \frac{24 \times 12}{8} = 36 \end{array}$$



(d) 125% profit

$15 \rightarrow 15m$   
 $15m \rightarrow 1 sec$   
 $300m \rightarrow \frac{1}{4} \times 300 = 75$