Aglasem Career

RRC Group D Set - 2

Duration - 1:30 Hrs

Exam RRC Group D		Total Questions 100			
Marks For Correct Answer 1	Negative Meaning 0.33	Mathematics 25	General Intelligence And Reasoning 30	General Awareness 25	General Science 20

Mathematics

1. The LCM of two numbers is 2604 and their HCF is 12. If one of the numbers is 84, then what is the other number?
1 . 237
2 . 273
3 . 327
4 . 372

2. $2.5^2 + 8.7 - \left(\frac{1.12}{1.4}\right) \times 0.5 = ?$
1 . 14.55
2 . 10.95
3 . 14.91
4 . 14.32

3. What should be added to $5\frac{3}{5}$ to get $8\frac{3}{7}$?
1 . 96/35
2 . 99/33
3 . 94/35
4 . 99/35

4. $(-8)[30 \div \{7 - (-3)\}] = ?$
1 . 60
2 . -60
3 . -24
4 . 24

5. The LCM of 42, 84 and 48 is :
1 . 420
2 . 168
3 . 210
4 . 336

Aglasem Career

6. $522 \div 29 = 18$. Then $5.22 \div 0.0018 = ?$
1 . 2.9
2 . 290
3 . 2900
4 . 0.29

7. $\left[60 \div \left\{3^3 \times 2 - (29 - \overline{26 - 31})\right\}\right] =$
1 . 10
2 . 6
3 . 5
4 . 3

8. $\{28 - (31 - 48)\} \div \{-2 \times 9 - (-3)\} - 57 \div (-22 + 3) =$
1 . 0
2 . 1
3 . 2
4 . -2

9. Find the difference between simple interest and compound interest calculated yearly for principal ₹ 2000 at 10% per annum for 2 years.
1 . ₹ 10
2 . ₹ 0
3 . ₹ 20
4 . ₹ 30

10. Kaveri bought a toy for ₹ 280 and sold it for ₹ 315. How much profit did she eam?
1 . 17.5%
2 . 16 %
3 . 15.25 %
4 . 12.5 %

11. 216 cards are divided between A and B. Firstly, the cards are divided in the ratio 5 : 4 between A and B, respectively. After some time, the cards were collected and divided in the ratio 11: 13 between A and B, respectively. How many cards did A get in the second case to the first?
1 . 21 less
2 . 3 less
3 . 21 more
4 . 3 more

12. A sum of money when invested for 5 years gives ₹ 3.640 as the amount. If the simple rate of interest was 2% per annum more than what , was the amount would have been ₹ 3920 .The original sum invested was:
1 . ₹ 2,750
2 . ₹ 2,800
3 . ₹ 2,560
4 . ₹ 2,690

13. A train travelling at 78 km/h crosses a 450 m long platform in 27 seconds. What is the length of the train?
1 . 130 m
2 . 135 m
3 . 120 m
4 . 125 m

Aglasem Career

14. Aarti and Bharti take 30 days , respectively, to complete a piece of work individually. Aarti starts working alone and then Bharti joins her a few days later. In all , it takes them 20 days to complete the task . After how many days did Bharti joins the work ?
1 . 4
2 . 5
3 . 6
4 . 7

15. In a computer game there are builders and destroyers. Together there are 16 of them, try to build a way around a castle
1 . 6
2 . 5
3 . 4
4 . 3

16. 2nd of February 2019 will be a Sunday. What day would be on 4th of October 2019?
1 . Thursday
2 . Friday
3 . Saturday
4 . Sunday

17. Two gas- filling tubes A and B can fill a gas cylinder in 15 minutes, and 40 minutes, respectively. Both the tubes are opened together but after 4 minutes, tube A is turned off. What is the total time required to fill the cylinder?
1 . 10 min 10 sec
2 . 29 min 20 sec
3 . 14 min 40 sec
4 . 20 min 10 sec

18. The area of a rhombus is $216m^2$ and the length of one of its diagonals is 24 m. The length of each side of the rhombus will be:
1 . 12 m
2 . 15 m
3 . 18 m
4 . 30 m

19. Eight years ago Ashwin's age was 1 less than 3 times that of Arpit's age. Six years ago Ashwin's age was 1 more than 2 times that of Arpit's age be after 7 years ?
1 . 19 years
2 . 12 years
3 . 15 years
4 . 16 years

20. 19 years from now Vinod will be twice as old as Anand . Seven years ago Anand's age was a quarter of Vinod's then age. What is Vinod's present age ?
1 . 53 years
2 . 59 years
3 . 55 years
4 . 57 years

21. The angle of depression of the foot of a building from the top of a tower 46 m away is 60. What is the height of the tower ?
1 . 46 m

Aglasem Career

2 . 23√3 m
3 . 46√3 m
4 . 23 m

22. Which one of the following gives the sides of a right-angled triangle?
1 . 84 cm ,63 cm , 115 cm
2 . 15 cm, 112 cm , 111 cm
3 . 76 cm, 100 cm, 57 cm
4 . 84 cm, 13 cm, 85 cm

23. The mean of 12, 13. 15, 18. x. 28, 18, 12 , 6 , 8 is 15. What is the mean of the data ?
1 . 13
2 . 13.5
3 . 14
4 . 14.5

24. The number of diagonals in a 19-gon is:
1 . 133
2 . 171
3 . 152
4 . 161

25. After 11 innings, the average score per innings of a batsman was 52. After 13 innings the average rose to 54. If the batsman had scored 16 more runs in the 13th innings than in the previous one, how many runs did he scored 16 more runs in 12th innings.
1 . 54
2 . 57
3 . 55
4 . 56

General Intelligence And Reasoning

26. Select the term that relates to the third tenn in the same way that the second term relates to the first term.
1 . Sharp
2 . Blade
3 . Butter
4 . Cat

27. Strong is related to Weak in the same way as Limp is related to:
1 . Drown
2 . Run
3 . Swim
4 . Pounce

28. Read the given statement(s) and conclusions carefully and select which of the conclusions logically follow(s) from the statement(s).
Statements:
Some cottons are clothes. Some woollens are cottons
Conclusions:
1). Some cottons are leaves

Aglasem Career

2). Wool is a cloth
1 . Only conclusion 1 follows
2 . Only conclusion 2 follows
3 . Neither 1 nor 2 follows
4 . Both (1) and (2) follow

29. Consider the given statements and decide which of the given assumption (s) is / are implicit in the statement :
Assumption:
1) People want to own a mobile phone .
2) This stone has strong monitoring system to challenge stealing.
1 . Only I is implicit.
2 . Only II is implicit.
3 . Both I and II are implicit.
4 . Either I or II is implicit.

30. In a code language ,WAIT is written as 231920. What is code for RUN?
1 . 182115
2 . 182114
3 . 182014
4 . 192114

31. If RATE is coded as 181205, that will be the code for KEY?
1 . 11525
2 . 11924
3 . 11814
4 . 11523

32. Read the given statement (s) and conclusions carefully and select which of the conclusions logically follows (s) from the statement(s) .
Statement:
Diabetic patients can have fruits.
Conclusions:
I. Sugar in natural form is harmless .
II. Fruits supply enough sugar for body's normal metabolism
1 . Conclusions I alone follows .
2 . Conclusions II alone follows.
3 . Neither I nor II follows.
4 . Both the conclusions follow.

33. Read the given statement(s) and conclusions carefully and select which of the conclusions logically follow(s) from the statement(s).
Statement:
"My dog loves food" Anita says to her friend.
Conclusions:
I. Anita has a dog.
II. Her dog loves nothing else but food.
1 . Conclusion I alone follows .
2 . Conclusion II alone follows.
3 . Both the conclusions follow.
4 . Neither I nor II follows.

34. Consider the given statement(s) and decide which of the given assumption(s) is/are implicit in the

Aglasem Career

statement.
Statement:
Statement improves overall health.
Assumptions:
I. Increased good hormones levels bring health benefits.
II. Water is relaxing to muscles.
1 . Only I is implicit.
2 . Only II is implicit.
3 . Neither I nor II implicit.
4 . Both I and II are implicit.

35. Given is a question followed by two arguments. Decide which of the arguments is / are strong with respect to the question.
Question:
Should there be a check on the consumerism in the society?
Arguments:
I. Yes, as it promotes acquisition of more goods, it affects the ecological balance by generating more wastage. People are used to throw stuffs. We should strike a balance.
II. No, it promotes industrial growth and well being of the economic conditions of a country.
1 . Both arguments I and II are strong.
2 . Only argument II is strong.
3 . Neither argument I nor
4 . Only argument I is strong.

36. Find the next term in the following series:
30, 43, 56, 69, _____
1 . 80
2 . 82
3 . 78
4 . 81

37. Find the next term in the given series.
2J, 9M, 16P,____
1 . 23R
2 . 22R
3 . 20R
4 . 23S

38. Find the next tenn in the following series:
N14M13, O15L12 , P16K11, _____
1 . Q17J10
2 . Q18J10
3 . Q17J3
4 . J10Q17

39. Choose the correct alternative to complete the pattern:
91827364, 81726354 , 71625344
1 . 5234165
2 . 61524334
3 . 5234166
4 . 61524336

40. A computer company sells two brands of computers in a day with a total profit of ₹ 15,000. If the profit

Aglasem Career

from one brand of computer is 35% of the total profit, what is the profit amount made by selling the other brand of computer?
1 . ₹ 8,000
2 . ₹ 8,750
3 . ₹ 9,000
4 . ₹ 9,750

41. Read the question and two different colours. Can we say how many black pens she has?
Statements:
1) There are 4 red pens.
2) She bought those pens yesterday.
1 . Statement 1 alone is sufficient.
2 . Statement 2 alone is sufficient.
3 . Statements 1 and 2 together are not sufficient.
4 . Statements 1 and 2 both are sufficient together.

42. You are given a question and two statements. Identify which of the statements is/ are sufficient to answer the question.
Question:
Nitara has 20 colour pencils of four different colours. How many black does she have?
Statements:
1) There are 5 red -coloured pencils.
2) There are 4 blue-coloured pencils.
3) The numbers of green-colored pencils is twice that of blue.
1 . Statements 1 alone is sufficient.
2 . Statements 3 alone is sufficient.
3 . Statements 1 and 2 together are not sufficient.
4 . Statements 1, 2 and 3 together are sufficient.

43. On an average Meenakshi spends 10% of her monthly salary on shopping and visiting restaurants and malls. Rest of the 80% goes towards running her household and 10% goes towards savings.
If her monthly household expenses are ₹ 48,000, what is her monthly income?
1 . ₹ 60,000
2 . ₹ 54,000
3 . ₹ 80,000
4 . ₹ 1,20,000

44. Which of the following words does NOT belong to the group?
A. Jam
B. Juice
C. Squash
D. Lemon
1 . A
2 . B
3 . C
4 . D

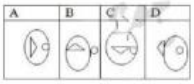
45. Select the option figure will complete the series of question figures.
Question figures:

Aglasem Career

Question figures



Option figures:

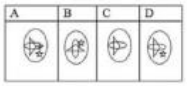


1 . A
2 . D
3 . C
4 . B

46. Select the option figure will complete the series of question figures.

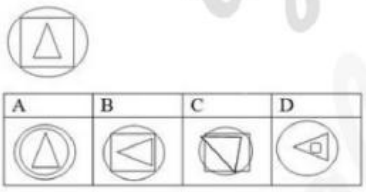


Option Figures:



1 . A
2 . D
3 . C
4 . B

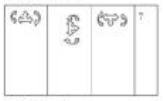
47. Which of the patterns in the options most closely resembles the pattern in the following figure?



1 . A
2 . B
3 . C
4 . D

48. Select the option figure that will complete the series of question figures.

Question figures:



Option Figures:

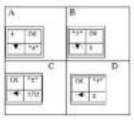


1 . A
2 . B
3 . C
4 . D

49. Select the option that correctly replaces the question mark below.

Aglasem Career





1 . A
2 . B
3 . C
4 . D

50. Which of the following correctly represents the relationship between the following classes?
A) Computer
B) Table
C) Electronics

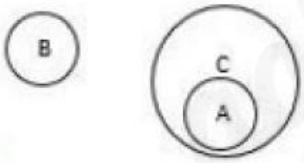
1 .



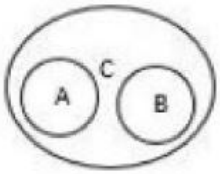
2 .



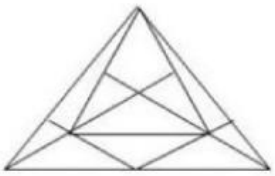
3 .



4 .



51. How many triangles are there in this figure?

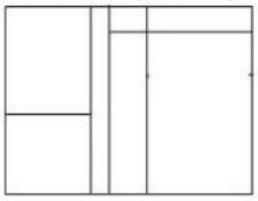


1 . 10

Aglasem Career

2 . 23
3 . 16
4 . 20

52. How many rectangles are there in the following picture?

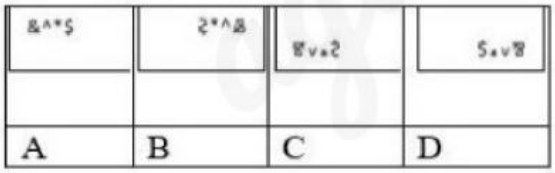


1 . 18
2 . 20
3 . 15
4 . 10

53. Nayan drove 1 km towards East. At a crossroads, he turned right and drove 100 m to reach a hospital. In which
direction is the hospital with respect to Nayan's initial position?
1 . North-East
2 . North-West
3 . South-East
4 . South-West

54. A man walking towards the east makes a 270° turn in the clockwise direction and starts
1 . North
2 . East
3 . West
4 . South

55. What is the lateral mirror image of &^*$:



1 . A
2 . B
3 . C
4 . D

General Science

56. An object travels 22m in 4 s and then another 15 m in 2 s. What is the average speed of the object?
1 . 6.17 m
2 . $6.17 ms^{-1}$
3 . $6.17 s^{-1}$

Aglasem Career

4 . $6.67 ms^{1}$

57. An object travels 23 m in 4 s and then another 15 m in 2 s. What is the average speed of the object?
1 . $6.34 m$
2 . $6.33 ms^{-1}$
3 . $6.34 s^{-1}$
4 . $6.67 ms^{-1}$

58. The motion of a freely falling body is an example of:
1 . Non - uniformly accelerated motion
2 . Uniformly accelerated motion
3 . Circular motion
4 . Rectilinear motion

59. If the density of water is $10^3 kg/m^3$ and density of copper is $8.9 \times 10^3 kg/m^3$ then the relative density of copper is:
1 . 89
2 . 8.9
3 . 890
4 . 0.89

60. ____ is the SI unit of Pressure.
1 . Newton
2 . Pascal
3 . $Kgms^{-1}$
4 . Dyne

61. _____ reacts with steam to form metal oxide.
1 . Potassium
2 . Sodium
3 . Calcium
4 . Iron

62. If an objects moves a distance of 1 m in a specified direction by applying a force of 1 N, then work done is:
1 . 1 ohm
2 . 1 kW
3 . 1 J
4 . 1 N

63. The time taken by an object to complete one oscillation is termed as:
1 . Time period
2 . Frequency
3 . Amplitude
4 . Distance

64. Objects that do not produce their own light are called:
1 . Luminous objects
2 . Non-luminous objects
3 . Translucent objects
4 . Transparent objects

65. The liquid that is used to conduct current is called:

aglasem.com

Aglasem Career

1 . Suspensions
2 . Emulsions
3 . Electrolyte
4 . Non-electrolyte

66. Which of the following has only magnitude and no direction ?
1 . Displacement
2 . Momentum
3 . Work
4 . Force

67. Isobars have the same number of:
1 . Nucleons
2 . Protons
3 . Electrons
4 . Ions

68. Which of the noble gas has only two electrons in the outermost orbit?
1 . Krypton
2 . Neon
3 . Helium
4 . Argon

69. Which of the following factors decreases the rate of evaporation?
1 . Increase in the surface area
2 . Increase in temperature
3 . Increase in the wind speed
4 . Humidity

70. When zinc metal is dipped in the solution of copper sulphate, then:
1 . No reaction takes place
2 . Zinc sulphate is formed
3 . Water is formed
4 . Zinc oxide is formed

71. When an acid reacts with metal oxide, then the products are_____ and _____.
1 . base, acid
2 . base, water
3 . acid, water
4 . salt, water

72. _____ is obtained when slaked lime reacts with chlorine.
1 . Baking Soda
2 . Plaster of Paris
3 . Baking Powder
4 . Bleaching powder

73. Fullerenes is an allotropic form of:
1 . Carbon
2 . Zinc
3 . Sulphur
4 . Gold

Aglasem Career

74. Which of the following elements has three valence electrons ?
1 . Al
2 . Ag
3 . Au
4 . Ca

75. ____ are electropositive in nature.
1 . Non-metals
2 . Semi metals
3 . Metals
4 . Mettaloids

76. Which of the following is a unicellular green algae?
1 . Chlamydomonas
2 . Spyrogyra
3 . Ulothrix
4 . Chara

77. _____ tissue is composed of dead cells.
1 . Parenchyma
2 . Collenchyma
3 . Sclerenchyma
4 . Aerenchyma

78. In plants, _____ helps in the absorption and upward movement, from roots to the leaves, of water and minerals dissolved in it.
1 . Photosynthesis
2 . Transpiration
3 . respiration
4 . consideration

79. Testosterone, the male sex hormone , is synthesised in:
1 . Testes
2 . Scrotum
3 . Prostate gland
4 . Seminal vesicle

80. Which of the below is present in the carpel ?
1 . Sepals
2 . Petals
3 . Pollengrains
4 . Ovules

General Awareness

81. Which one of the following became the first wicket keeper in the world of cricket to claim 100 stumpings in ODI?
1 . M.S. Dhoni
2 . Adam Gilchrist
3 . Kumar Sangakkara

Aglasem Career

4 . Shahid Afridi

82. Which owns the Mumbai based IPL team ‘Mumbai indians’?
1 . Amitabh Bacchan
2 . Reliance Industries
3 . ShahRukh Khan
4 . Times of India

83. Name the Indian woman weightlifter who bagged a gold medal at the Asian Youth and Junior Weightlifting Championship in Nepal on 25th July 2017.
1 . Karnam Malleswari
2 . Kavita Devi
3 . Konsam Ormila Devi
4 . Reema Joseph

84. Which movie won the national award for Best Film on social issue at the 64th National Film Awards, 2017
1 . Pink
2 . Airlift
3 . Dangal
4 . Sultan

85. Name the actor who depicted the character of Bhallaldeva in the ‘Bahubali’ movie series?
1 . Prabhas
2 . Rana Daggubati
3 . Abhishek Bachchan
4 . Abhishek Bachchan

86. Who was conferred with the 2018 Padma Shri award in the field of ‘Art-Folk Music’ from Uttar Pradesh ?
1 . Shubh Mudgal
2 . Chitra Singh
3 . Mohan Swaroop Bhatia
4 . Bhikundan Gadhvi

87. The former RBI governor Raghuram Rajan authored the book:
1 . I do What I Do
2 . The Ministry of Utmost Happiness
3 . The Unseen Indira Gandhi
4 . The Emergency - Indian Democracy’s Darkest Hour

88. Who inaugurated the Global Entrepreneurship Summit (GES-2017) in Hyderabad jointly with PM Narendra Modi?
1 . Donald Trump
2 . Ivana Trump
3 . Ivanka Trump
4 . Melanie Trump

89. Who among the following was sworn in as the 45th Chief Justice of India in August 2017?
1 . Jagdish Singh Khehar
2 . Dipak Misra
3 . Jasti Chelameswar
4 . Ranjan Gogoi

Aglasem Career

90. _____ was canonized on 4th September 2016 by Pope Francis at grand at a grand ceremony in Vatican.
1 . Sister Florence
2 . St. Mary
3 . Sister Nirmala
4 . Mother Teresa

91. What is '' Hausla 2017'' , which was celebrated from 16th November to 20th November to 20th November 2017?
1 . Celebration of children's rights
2 . Celebration of women's rights
3 . Celebration of senior citizen's rights
4 . Celebration of transgender rights

92. Which of the following Chief Ministers of India had been presented the '' Transformative Chief Minister Award'' by the US-India Business Council (USIBC) in May 2017?
1 . K. Chandrashekhar Rao
2 . N. Chandrababu Naidu
3 . Nitish Kumar
4 . Yogi Adityanath

93. The Navodaya Vidyalaya Samiti and Kendriya Vidyalaya Sangathan are autonomous bodies under which Union ministry?
1 . Home Affairs
2 . Human Resource Development
3 . Finance
4 . Defense

94. Akbar the Mughal ruler was born at _____.
1 . Umerkot
2 . Sialkot
3 . Agra
4 . Fatehpur Sikri

95. _____ introduced the Mansabdari system which was introduced to strengthen the army.
1 . Jahangir
2 . Babur
3 . Akbar
4 . Aurangzeb

96. _____ produces the maximum manganese in India.
1 . Madhya Pradesh
2 . Karnataka
3 . Odisha
4 . Maharashtra

97. Loo is a kind of _____.
1 . Cold wave
2 . Cyclone
3 . Heat wave
4 . Tsunami

98. Since ancient times, businessmen called Shroffs, Seths, Sahukars, Mahajans, Chettis etc., had been

Aglasem Career

carrying on the business of _____ in India.
1 . Teaching
2 . medicine
3 . banking
4 . manufacturing

99. What is the full form of CII ?

1 . Committee for Indian Industry
2 . Conciliation in Industry
3 . Confederation of Indigenous Industry
4 . Confederation of Indian Industry.

100. Which of the following Indians bank notes has motif of Sanchi Stupa on its reverse?
1 . ₹ 2,000
2 . ₹ 500
3 . ₹ 200
4 . ₹ 50

Answer Key

1	4	**2**	1	**3**	4	**4**	4	**5**	4	**6**	3	**7**	4	**8**	1	**9**	3	**10**	4
11	1	**12**	2	**13**	2	**14**	3	**15**	3	**16**	2	**17**	2	**18**	2	**19**	1	**20**	2
21	3	**22**	4	**23**	2	**24**	3	**25**	2	**26**	4	**27**	2	**28**	3	**29**	2	**30**	2
31	1	**32**	3	**33**	1	**34**	2	**35**	2	**36**	2	**37**	4	**38**	1	**39**	2	**40**	4
41	1	**42**	4	**43**	1	**44**	4	**45**	1	**46**	1	**47**	2	**48**	4	**49**	4	**50**	3
51	2	**52**	1	**53**	3	**54**	1	**55**	1	**56**	2	**57**	2	**58**	2	**59**	2	**60**	2
61	4	**62**	3	**63**	1	**64**	2	**65**	3	**66**	3	**67**	1	**68**	3	**69**	4	**70**	2
71	2	**72**	4	**73**	1	**74**	1	**75**	3	**76**	1	**77**	3	**78**	2	**79**	1	**80**	4
81	1	**82**	2	**83**	3	**84**	1	**85**	2	**86**	3	**87**	1	**88**	3	**89**	4	**90**	4
91	1	**92**	2	**93**	2	**94**	1	**95**	3	**96**	3	**97**	3	**98**	3	**99**	4	**100**	3