

Held on : 05.05.2013

Part - A

General Knowledge

- Which is the host country for the inaugural T-20 World Cricket Cup for the blind?
A) Pakistan B) India
C) Sri Lanka D) West Indies
- 2012 Champions Trophy Hockey Tournament was won by?
A) Pakistan B) India
C) Australia D) Netherlands
- Mr. Cyrus Pallonji Mistry took over as the chairman of which industrial group recently?
A) Tata Group
B) Reliance Group
C) Aditya Vikram Birla Group
D) GMR Group
- Which launch vehicle is expected to be used by ISRO for its 2013 Mars Mission?
A) Satellite Launch Vehicle
B) Augmented Satellite Launch Vehicle
C) Polar Satellite Launch Vehicle
D) Geo-synchronous Satellite Launch Vehicle
- International Olympic Committee decided to remove two games from the Olympics starting with 2020 Olympic Games. Find out these two from the options.
A) Free Style Wrestling and 200m free style swimming
B) Free Style Wrestling and Greco-Roman
C) Free Style Wrestling and Equestrian show jumping
D) Free Style Wrestling and 3-K cross country foot race
- Who is chosen by the members of Rajya Sabha?
A) Chairperson B) Deputy Chairman
C) President D) Vice-President
- Who is the leader of the house in 15th Lok Sabha?
A) Meira Kumar
B) Sonia Gandhi
C) Sushil Kumar Shinde
D) None of these
- Barack H. Obama has been recently re-elected as President of USA, defeating Republican Challenger?
A) Joe Biden B) Mitt Romney
C) Jesse Kelly D) Kevin McCarthy
- Which Indian State has the lowest record of Population density having just 17 per square kilometer?
a) Arunachal Pradesh b) Mizoram
c) Nagaland d) Sikkim
- Branch of Biology that deals with the study of fungi is called?
A) Algology B) Phycology
C) Mycology D) Microbiology
- The latitude difference between India & Pakistan for their standard time is
A) 8° B) 7.5° C) 7° D) 8.5°
- Sound travels faster in Solids than in gases, because:
A) Modulus of elasticity is more than that of gases
B) Sound cannot travel through gases
C) Density of solid is more
D) Sound is an electromagnetic wave
- In India proclamation of emergency is made in
A) Article 356 B) Article 359
C) Article 352 D) Article 360
- The Earth is spherical in shape except for some flattening on some portions. This flattening is at the:
A) Tropics
B) 66° & 12° North & South
C) Equator
D) Poles

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15. Which one of the fundamental rights was recently included as per the 93rd amendment of the constitution?

- A) Right to free and compulsory education for all children in the 6 to 14 age group
- B) Right to equality
- C) Right to constitutional remedies
- D) Right to freedom of religion

16. LIBOR, a term used in banking and financial sector

- A) London Inter Bank Offered Rate
- B) London Inter Bureau of Regulations
- C) Local Indian Bank Offered Rate
- D) Liberal International Bank Official Ratio

17. Gross National Product (GNP) of a country is the sum of the market value of all goods and services produced in a year:

- A) Plus market value of import
- B) Minus foreign aid
- C) Plus export earnings
- D) Plus net income from abroad

18. Identify illiterate among the following:

- A) Akbar
- B) Shahjahan
- C) Jahangir
- D) Aurangzeb

19. Russia is expected to supply Admiral Gorshkov by 2013 end. What is 'Admiral Gorshkov'?

- A) Aircraft Carrier
- B) Tank
- C) Rifles
- D) Space Craft

20. Which state has emerged as the best-performing state in terms of Environmental Performance Index (EPI) released by Planning Commission in 2012?

- A) Sikkim
- B) Himachal Pradesh
- C) Kerala
- D) Uttarakhand

21. Match List-I with List-II

List-I

- 1. Jawaharlal Nehru Port
- 2. Paradip Port
- 3. Kandla Port
- 4. Ennore Port

List-II

- A. Tamilnadu
- B. Maharashtra
- C. Odisha
- D. Gujarat

- A) 1 - D, 2 - C, 3 - B, 4 - A
- B) 1 - B, 2 - C, 3 - D, 4 - A
- C) 1 - D, 2 - A, 3 - B, 4 - C

D) 1 - B, 2 - A, 3 - B, 4 - C

22. Curie point is a temperature at which

- A) Matter becomes radioactive
- B) A magnetic material undergo a sharp change in the magnetic properties
- C) A metal loses conductivity
- D) Transmutation of metal occurs

23. In which organization Chittaranjan Das, Netaji Subhash Chandra Bose worked as a Chief Executive Officer?

- A) Calcutta Transways
- B) Kolkata Municipal Corporation
- C) Bengal Railways
- D) Calcutta University

24. What does 10th schedule of constitution of India contain?

- A) Languages
- B) Provisions relating to disqualification on ground of defection
- C) The three lists- Union, State & Concurrent
- D) Allocation of seats in the Council of States

25. What is the cap of minimum vote a political party must secure in election to get the status of a State party as decided by the election commission of India?

- A) 8% of total valid votes polled in state assembly or Lok Sabha Polls
- B) 9% of total valid votes polled in state assembly or Lok Sabha Polls
- C) 7% of total valid votes polled in state assembly or Lok Sabha Polls
- D) 6% of total valid votes polled in state assembly or Lok Sabha Polls

Part - B

Mathematics

26. In an office there are 75% skilled workers and remaining are unskilled. 80% of skilled workers and 20% of unskilled workers are permanent. If number of temporary workers are 189, then what is the number of total workers?

- A) 530
- B) 540
- C) 550
- D) 560

27. Raman crosses a road of 375 metres wide in 75 seconds. His speed in km/hr is:
A) 14 B) 16 C) 18 D) 20
28. The average of 5 consecutive numbers A, B, C, D and E is 48. What is the product of A and D?
A) 2254 B) 2248 C) 1154 D) 1148
29. The height of a wall is six times its width and the length of a wall is seven times its height. If volume of the wall be 16125 Cu. m., its width is:
A) 4 m D) 5 m C) 7 m D) 6 m
30. A container of oil was $\frac{4}{5}$ full. When six bottles of oil were taken out and four bottles of oil were poured into it, it was $\frac{3}{4}$ full. How many bottles of oil were contained by the container?
A) 45 B) 40 C) 35 D) 30
31. Ranjeet wages were reduced by 50%. Again the reduced wages is increased by 50%. What is his loss/gain?
A) Loss 20% B) Gain 20%
C) Loss 25% D) Gain 25%
32. What value will obtain if 25% of 2340 is subtracted from $\frac{4}{9}$ of square of 36?
A) 7 C) -7 D) 9 D) -9
33. In a class the highest marks scored were 67 and lowest were 32. While calculating the average of the marks these were erroneously written as 76 and 23. The average of marks of the class will:
A) Remain unchanged
B) Changed
C) Cannot be determined
D) None of these
34. A customer wanted 30% discount on his purchase. The dealer gave him successive discounts of 20% & 12%. The customer got a discount of:
A) 30%
B) 20%
C) Less than what he wanted.
D) None of these

35. A, B, C, D are mid points of the rectangle AB = 10 cm. If one of the sides of the rectangle is 12 cm, what is the area of ABCD?
A) 69 sq cm. B) 96 sq cm.
C) 84 sq cm. D) 88 sq cm.
36. In a History examination, the average for the entire class was 80 marks. If 10% of the students scored 95 marks and 20% scored 90 marks. What was the average mark of the remaining students of the class?
A) 75 B) 70 C) 80 D) 85
37. Sixty men can build a wall in 40 days, but though they begin the work together, 5 men quit every ten days. The time needed to build the wall is:
A) 57.5 days. B) 37.5 days.
C) 27.5 days. D) 47.5 days.
38. A factory producing a certain number of cars a day finds that by increasing production efficiency by $12\frac{1}{2}\%$ they can produce 20 additional cars a day. How many cars will they produce in a day when their efficiency is 25% less?
A) 110 B) 120 C) 115 D) 125
39. A shop owner gives a discount of 10% on the marked price of a radio, but in the bargain makes a profit of 10%. If the marked price is Rs. 330/-, the cost price is:
A) Rs. 360.2 B) Rs. 327.3
C) Rs. 227.3 D) None of these
40. Pipe A can fill an empty tank in 5 hours and pipe B in 7 hours. If both the pipes are opened together and after $1\frac{1}{2}$ hours pipe B is closed, how much time A will take to fill the remaining tank?
A) $\frac{17}{7}$ hours B) $\frac{15}{7}$ hours
C) $\frac{12}{7}$ hours D) $\frac{13}{7}$ hours
41. A number consists of two digits whose sum is 9. If 27 is added to the number, its digits are reversed. Find the number?
A) 45 D) 54

42. Two numbers are such that the ratio between them is 3:5. If each is increased by 20, the ratio between the new numbers so forms is 7:9. Find the original numbers:

- A) 15, 35 B) 10, 16
C) 15, 25 D) 18, 20

43. Arjun and Aryan can finish a project in 27 days. Arjun alone can do $\frac{1}{3}$ of this project in 15 days. In how many days can Aryan alone do this project?

- A) 57 $\frac{1}{2}$ days B) 67 $\frac{1}{2}$ days
C) 77 $\frac{1}{2}$ days D) 47 $\frac{1}{2}$ days

44. A machine was purchased for ₹4,450 and ₹350 was paid for transportation. If it is to be sold for ₹6,600, then find the gain percent:

- A) 37.5% B) 27.5%
C) 32.5% D) 22.5%

45. When simple interest is calculated on a sum of money it makes itself $\frac{3}{2}$ in 8 years. What is the rate of interest?

- A) 5.25% B) 7.25%
C) 6.25% D) 4.25%

46. If $\frac{x}{2} = \frac{72}{\sqrt{x}}$, then the value of x is

- A) 164 B) 281 C) 121 D) 144

47. Find the length of a side of a Square, whose area is equal to the area of a Rectangle with sides 240m and 60m:

- A) 100 m B) 110 m C) 115 m D) 120 m

48. A clerk spends 15% of his total income on house rent. He uses 60% of the remaining income to meet his expenses. If he saves ₹1,700, then what is his total income?

- A) 3500 B) 3000
C) 4500 D) 5000

49. Find the amount of ₹125000 after 2½ years when interest is compounded half yearly at the rate of 8% per annum (Approximate Best value):

- A) 152081
C) 142081

- B) 151081
D) 141081

50. Chandni went for shopping and spent half of what she had on buying socks and gave a rupee to a beggar waiting outside the shop. She spent half of what was left on a lunch and followed that up with a two rupee tip. She spent half of the remaining amount on a novel and three rupees on bus fare. When she reached home, she found that she had exactly ₹ 2 left. How much money did she start with?

A) 40 B) 50 C) 45 D) 55

Part - C English Language

51. All _____ Shashi were present.
A) Accept B) Except
C) Expect D) Aspect

52. Identify the correct sentence among followings:
A) Two and two makes four
B) Our hen has given two eggs
C) He talks as if he is mad
D) I do not know how to cycle

Directions (Q. 53-57): Choose the correct article to complete the sentence

53. Shusil is _____ N.C.C. Officer.
A) A B) The C) Some D) An

54. The rose is _____ sweetest of all flowers.
A) A B) An C) The D) One

55. Mohit had a short sleep after lunch. Give one word for the underlined phrase.
A) Nap B) Dream
C) Laugh D) Game

56. Give the adverb form of the verb "GO":
A) Going B) Ago
C) Goes D) Gone

57. The tree lost _____ leaves.
A) Its B) Their C) They D) Our

Directions (Q. 58-60): In the following questions, out of four alternatives choose the one which best express the meaning of given word and answer accordingly.

58. Successive

- A) Consecutive B) Victorious
C) Rapid D) Beneficial

59. Fidelity

- A) Allegiance B) Accuracy
C) Affection D) Loyalty

60. Infertile

- A) Unnecessary B) Redundant
C) Meaningless D) Fruitless

Directions (Q. 61-62): In the following questions, out of four alternatives choose the one opposite meaning of given word and answer accordingly.

61. Exodus

- A) Home Coming B) Return
C) Influx D) Restoration

62. Conformity

- A) Deviation B) Distraction
C) Dilutions D) Diversion

63. The adverb which corresponds to the adjective 'good'.

- A) Better B) Best
C) Well D) Worth

64. In the given alternatives there are four sentences with underlined word. Identify the sentence with underlined word which is not an adverb.

- A) He gave me a lovely present
B) He hardly works
C) He is neatly body
D) Suzy is quite beautiful

Directions (Q. 65-67): Fill in the blanks with correct Prepositions.

65. Attach the rope _____ the back of the crane to

- A) To B) In C) With D) By

66. Butter is made _____ milk.
A) By B) From C) Of D) Through

67. Shivansh is good _____ studies.

- A) In B) Towards C) At D) By

68. Given below is the sentence in active voice. Choose the correct sentence in Passive voice among the alternatives. 'Could they not have helped the needy?'

- A) Could the needy not have been helped by them?
B) Had the needy been not helped by them?
C) Could the needy not have been helped by them?
D) Would the needy not have been helped by them?

69. Choose the incorrect among the following:

- A) I would rather drink coffee than tea
B) I would buy a car if I won a lottery
C) We should obey our parents
D) Work hard, lest you should not fail.

Directions (Q. 70-72): Read each sentence to find out whether there is any grammatical error in it. The error, if any will be in one part of the sentence. The letter of that part is the answer. If there is no error, the answer is 'D'.

70. I get up at five (A)/ and studied for two hours. (B)/ After taking a bath, I took breakfast. Then, I went to school on bike (C)/ No error (D).

71. You need (A)/ not have wasted (B)/ Your time in this useless activity (C)/ No error (D).

72. I dare (A)/ not to (B)/ go to my father (C)/ No error (D).

73. What shall be the correct combination of two simple sentences into a complex sentence by using an adverb clause?

The chief guest entered the hall. The audience clapped.

- A) The audience clapped upon the chief guest entering the hall
B) The audience was clapping when the chief guest entered to hall

- C) The audience clapped as the chief guest entered the hall
 D) The audience had to clap when the chief guest enter the hall

Directions (Q.74-75): In the following sentences, identify the correct reported Speech from the given alternatives.

74. He said to his wife, "How many people were coming to dinner that night."
 A) He asked his wife how many people were coming to dinner that night
 B) He called his wife how many people were coming to dinner that night
 C) He asked his wife how many people were coming to dinner tonight
 D) He narrated his wife how many people were coming to dinner that night
75. He said, "Please give me another chance."
 A) He suggested them to give him another chance.
 B) He pleased them that he must to given another chance
 C) He asked them that he must be given another chance
 D) He requested them to give him another chance.

Part - D

Reasoning & Analytical Ability

Directions (Q. 76 - 77): In a certain code languages.

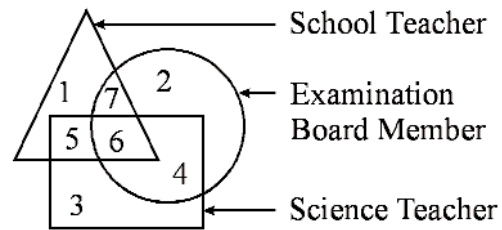
- 'Cod dex nom' stands for 'banana is sweet'
- 'Zip dex nux' stands for 'apple is good'.
- 'Cod nux elp' stands for 'banana and apple' and
- 'pa reb nom' stands for 'oranges are sweet'.

76. Which word in that language stands for 'apple'
 A) Nux B) Zip
 C) Elp D) None of these

77. What does 'Zip' stand for?

- A) And B) Good
 C) Apple D) None of these

78. Among the school teacher, find out science teacher who is the member of examination board.



- A) 7 B) 4 C) 5 D) 6

79. The views of a cube following a particular motion are given below.



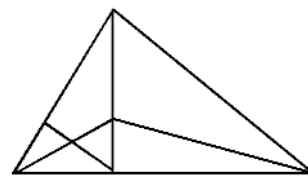
What is the letter opposite to A?

- A) P B) B C) M D) H

80. Anuraag is 40 m South-West of Vikram. Chiraag is 40 m South-East of Vikram, then Chiraag is in which direction of Anuraag?

- A) South B) East
 C) North-East D) South-East

81. How many triangles are there in the following figure?



- A) 13 B) 10 C) 11 D) 9

82. In a row of 36 pupils, the first boy is followed by one girl, the second boy is followed by 2 girls, the third by 3 girls and so on like this. What is the number of girls in the second half of the row?

- A) 14 B) 15 C) 16 D) 18

Directions (Q. 83 - 85): Five films Sholay, Zanjeer, Chandni, Deewar and Naseeb are to be exhibited in a theatre from Monday to Friday of a week and each day only one film is to be exhibited. 'Deewar' or 'Naseeb'

should not be first or last film being exhibited. 'Naseeb' should be immediately followed by 'Chandni'. 'Zanjeer' should be exhibited immediately after 'Deewar'. One film is to be exhibited between 'Sholay' and 'Zanjeer'.

83. Which of the following is the correct sequence of exhibiting all the films.

- A) Sholay, Deewar, Zanjeer, Chandni, Naseeb
 B) Zanjeer, Deewar, Sholay, Naseeb, Chandni
 C) Sholay, Naseeb, Chandni, Deewar, Zanjeer
 D) None of these

84. Which film is to be exhibited on Wednesday.

- A) Zanjeer B) Sholay
 C) Either Zanjeer or Chandni
 D) None of these

85. Which is the first film being exhibited.

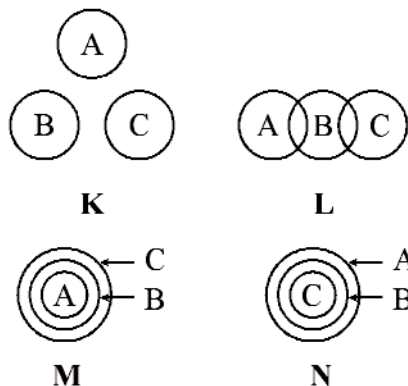
- A) Zanjeer B) Chandni
 C) Sholay D) Cannot be determined

86. Select the suitable alternative to complete the series.

2401, 49, 7; ____, 36, 6

- A) 216 B) 7776
 C) 1296 D) 1378

87. All A's are B's and all B's are C's are best represented by which diagram.



- A) L B) M C) K D) N

88. If DELHI is coded as 73541 and CALCUTTA as 82589662, how can CALICUT be coded?

- A) 5279431 B) 5078212

C) 8251896

D) 854369

89. Manav correctly remembers that his friend Sohan started working after April but before September. Vinay correctly remembers that Sohan did not have a job before May. Manoj remembers that the month Sohan started working had 30 days. In which month of the year did Sohan definitely started working?

- A) June B) August
 C) May D) July

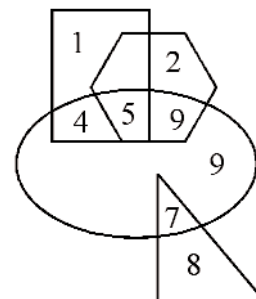
90. In a class of 40 children Sunita rank is eighth from the top. Meenakshi is five ranks below Sunita. What is the Meenakshi's rank from the bottom?

- A) 30th B) 27th C) 28th D) 26th

91. In a group of 36 persons, a total of 16 take cool drink while 9 take cool drink but not ice-cream. How many persons in this group take ice-cream but not cool drink?

- A) 20 B) 11 C) 27 D) 23

Directions (Q. 92 - 93): Study the following diagram to answer these questions.



No. of students in the square study Sociology.

No. of students in the hexagon study Economics.

No. students in the oval study History.

No. of students in the triangle study Psychology.

92. What is the sum of number of students studying only Psychology, only Sociology, only History and only Economics?

- A) 18 B) 25 C) 19 D) 20

93. What is the percentage of students who have taken three subjects out of the given four subjects?

- D) None of these

D) 74156

- D) Uncle

D) Data inadequate

v. F is the grand daughter of D.

- vii.E and F are unmarried.

D) None of these

D) Mother - Daughter

D) Can't be determined

KEY

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