POSTAL & SORTING ASSISTANT EXAM

Held on : 12.05.2013

Part - A
General Knowledge

1. The first temporary president of Constituent Assembly was
   A) Dr. Bhimrao Ambedkar
   B) Sardar Vallabhbhai Patel
   C) Dr. Rajendra Prasad
   D) Dr. Sachidanand Sinha

2. Which among the following was the major demand of the Bardoli Satyagraha (1928) organized under the leadership of Sardar Vallabhbhai Patel?
   A) Rollback of newly enhanced revenue rate
   B) Supply of agricultural inputs to farmers at subsidized rate
   C) Land to the tiller
   D) Increase the rates of labour wage

3. During the time of which Mughal emperor did the English East India Company establish its first factory in India?
   A) Shahjahan   B) Aurangzeb
   C) Akbar   D) Jahangir

4. Find the incorrect statement
   A) Full moon occurs when the moon comes between the Earth and the Sun
   B) The difference in minutes between the Greenwich time and the local time at a place can be derived by multiplying the longitude of a place by four.
   C) Spring tide is caused by the gravitational pull of the moon and the sun together in the same direction.
   D) A line on a map that join all the places of the same height above sea level is called contour line.

5. The refractive indices of Kerosene, Turpentine and Water are 1.44, 1.47 and 1.33 respectively. Light will have maximum speed in
   A) Water
   B) Speed remains same for all
   C) Kerosene
   D) Turpentine

6. Who is credited with the discovery of Electron?
   A) James Chadwick   B) Rutherford
   C) E. Goldstein   D) J. J. Thompson

7. Which of the following gases are given out during photosynthesis?
   A) Nitrogen   B) Hydrogen
   C) Oxygen   D) Carbon dioxide

8. What is the script of Ashoka's inscriptions?
   A) Gurumukhi   B) Hieroglyphics
   C) Devanagari   D) Brahmi

9. Which of the following articles of Constitution says that the executive power of every state shall be so exercised as not to impede or prejudice the exercise of the executive power of Union?
   A) Article 258   B) Article 355
   C) Article 356   D) Article 257

10. The distance between the Earth and Sun is greatest during:
    A) Winter Solstice B) Aphelion
    C) Perihelion   D) Summer Solstice

11. Who is General Secretary of CPI (M)?
    A) Suravaram Sudhakar Reddy
    B) Basudev Acharya
    C) Prakash Karat
    D) None of these

12. The Central Government on 1st Jan., 2013 launched the pilot phase of Direct Cash Benefits Transfer Scheme. Under this scheme the cash will be directly transferred to the intended beneficiaries through.
    A) Permanent Account Number Linked Bank Account
    B) Voter ID Linked Bank Account
    C) Aadhaar-Linked Bank Account
    D) Ration card Linked Bank Account

13. Identify three leader states in wind energy among the following:
    A) Maharashtra, Odisha, Bihar
    B) Maharashtra, Madhya Pradesh, West-Bengal
    C) Bihar, Jharkhand, Uttar Pradesh
    D) Tamilnadu, Maharashtra, Gujarat

14. Dr. Montek Singh Ahluwalia said recently that the term "Bimaru" states should be done away with. Which state was/were termed as Bimaru states?
    A) Bihar, Jharkhand, Uttar Pradesh, Madhya Pradesh
    B) Bihar, Madhya Pradesh, Rajasthan, Uttar Pradesh
    C) Bihar, Uttar Pradesh
    D) Bihar

15. Bhopal Gas tragedy is associated with leakage of
    A) Carbon dioxide
    B) Methyl ISO cyanate
    C) Sulphur dioxide
    D) Nitrogen dioxide

16. Which company has developed AKASH, the cheapest tablet computer?
    A) IBM   B) HCL
    C) Datawind   D) Lenovo

17. The government of India has given — "languages of the 8th Schedule" the status of official language
    A) 23   B) 26   C) 24   D) 22

18. Who was world biggest exporter of rice in 2012 as per the latest report by Food & Agriculture Organization?
    A) China   B) Pakistan
    C) Thailand   D) India

19. The National Development Council has approved recently the 12th five year plan and set an annual average growth target of
    A) 10%   B) 11%   C) 8.2%   D) 9%

20. India on Oct. 4th, 2012 successfully test fired nuclear capable Prithvi-II ballistic missile from a test range at Balasore. This was a:
    A) Air to Air Missile
    B) Surface to Air Missile
    C) Surface to Surface Missile
    D) Air to Surface Missile

21. Who was named AIFF (All India Football Federation) player of the year 2012?
    A) Gouramangi Singh
    B) Sunil Chhetri
    C) Syed Rahim Nabi
    D) Subrata Paul

22. How many gold medals were won by India at Copa Brasil- 2012 Tournament for wrestling?
    A) Eight   B) Nine   C) Seven   D) Six

23. The Reserve Bank of India has asked banks to ensure withdrawal of Non-CTS 2010 standard cheques with CTS standard - 2010 cheques by
    A) 30th April, 2013
    B) 31st December, 2013
    C) 31st March, 2013
    D) None of these

24. Recently consensus on GST have been arrived by center and states. What does GST mean?
    A) Gross Sales Tax
    B) Graded Sales Tax
    C) Global Sales Tax
    D) Goods and Service Tax

25. Who was recently elected as Vice President of Indian National Congress?
    A) Kapil Sibal   B) Manmohan Singh
    C) P. Chidambaram   D) Rahul Gandhi

Part - B
Mathematics

26. Two trains leave stations P and Q 110 km apart. Train from P to Q travels at 25 km/hr and train from Q to P at 30 km/hr. If they both start at 8 AM, they meet at
    A) 09:00 AM   B) 09:45 AM
    C) 10:40 AM   D) None of these

27. A sphere of radius *x* is melted and its volume is divided into two equal parts. One part is cast into a cylinder of height 10 cm, and second a cone of the same height. The ratio of the cylinder radius to the cone radius is

    A) 1 : 3
    B) $\sqrt{3} : 2$

    C) $1 : \sqrt{3}$
    D) None of these

28. A man buys milk at a certain price per 1 ltr, and after mixing it with water sells it again at the same price. How many litres of water he mixes in every litre of milk if he makes a profit of 25%.

    A) 150 ml
    B) 30 ml
    C) 250 ml
    D) 200 ml

29. A sum of ₹8000 generates ₹1261 as compound interest in 3 years, the interest being compounded annually. The rate of compound interest is

    A) 10 %   B) 5 %   C) 20 %   D) 2.5 %

30. By how much is two-thirds of 96 less than three fifths of 210?

    A) 114
    B) 62
    C) 206
    D) None of these

31. If $\sqrt{0.00000676} = 0.0026$, the square root of 6760000 is

    A) 260   B) 2600   C) 1/26   D) 26

32. The average temperature of three days is 24°C and 25°C respectively, then the temperature on the third day is

    A) 27°C
    B) 24°C

    C) $23\frac{1}{2}^{o}$ C
    D) 23°C

33. A five-year cash certificate with a maturity value of ₹200. The annual rate of simple interest is

    A) 10%   B) 15%   C) 5%   D) $7\frac{1}{2}$%

34. You bought some apples. On the first day you ate one and 1/4 of the remainder. On the second day you ate 2 and 1/4 of the remainder. On the third day you ate the entire remaining balance of the apples. How many

apples did you buy?

A) 13
B) 19
C) 9
D) None of these

35. If the digits of a two digit number are interchanged, the newly formed number is more than the original number by 19. If the sum of the digits is 8, then what was the original number?

    A) 26
    B) 17
    C) 35
    D) Data inadequate

36. One year ago, a mother was 4 times older than her son. After 6 years, her age becomes more than double her son's age by 5 years. The present ratio of their age will be

    A) 17 : 2
    B) 25 : 7
    C) 29 : 6
    D) None of these

37. If m : n = 2 : 3, what is the value of $\dfrac{3m + 5n}{6m - n}$

    A) $\dfrac{5}{3}$
    B) $\dfrac{7}{3}$

    C) $\dfrac{3}{7}$
    D) None of these

38. A triple successive discount of 20%, 10% and 5% is equal to a single discount of

    A) 31.60 %
    B) 25.7 %
    C) 40 %
    D) 35 %

39. Three items are purchased at ₹380 each. One of them is sold at a loss of 10%. The others are sold so as to gain 25% on the whole transaction? What is the gain % on these two items?

    A) 42.5 %
    B) 40.5 %
    C) 44.5 %
    D) None of these

40. The size of bag that could hold 6 kgs. of oranges has now been increased so that it can hold 8 kgs. What is the percentage increase in size?

    A) $30\frac{1}{3}$ %
    B) $33\frac{1}{3}$ %

    C) 20 %
    D) 25 %

41. If $\dfrac{w}{x} = \dfrac{6}{11}, \dfrac{y}{z} = \dfrac{16}{23}$ and $\dfrac{w}{y} = \dfrac{9}{16}$ then what is the value of $\dfrac{x}{y}$?

 A) $\dfrac{13}{16}$ B) $\dfrac{11}{16}$

 C) $\dfrac{6}{16}$ D) None of these

42. What approximate value should come in place of question mark (?) in the following question:

 $$\sqrt{727.9995} + (5.1961)^2 = ? \div \dfrac{2}{10.7960}$$

 A) 8 B) 10
 C) 53 D) None of these

43. Mid-points of the side of an equilateral triangle of side 18 cm are joined to form another triangle, whose mid-points are further joined to form a different triangle and this process is repeated indefinitely. The sum of the perimeters of all the triangles will be
 A) 144 cm B) 172 cm
 C) 72 cm D) 108 cm

44. A sum of ₹8500 is to be divided among 5 men, 6 women and 8 boys in the ratio of 10 : 7 : 1. The share of one boy will be
 A) 595 B) 850
 C) 85 D) None of these

45. Ram and Shyam work in the same factory. Ram can produce 45 articles in one hour and Shyam can produce 40 articles in one hour. During one week Shyam worked 5 more hours than Ram but produced the same number of articles as Ram. How many hours did Ram work that week?
 A) 50 B) 43 C) 45 D) 40

46. $\dfrac{\sqrt{441}}{63} \times \dfrac{\sqrt{81}}{3} = ?$

 A) $\dfrac{3}{4}$ B) $5\dfrac{1}{4}$ C) 1 D) $1\dfrac{1}{3}$

47. Which one of the following number has got highest value?

 A) $\dfrac{127}{25}$ B) $\dfrac{121}{9}$ C) $\dfrac{53}{4}$ D) $\dfrac{25}{6}$

48. The average score of Sachin Tendulkar in IPL 15 Matches is 70 runs and the average score in Border Gavaskar Trophy T-20 Matches is 45 runs in 7 matches. If he has played 10 more International T-20 matches and his overall average score in all T-20 Matches was 73 runs. What was his total score in 10 International T-20 Matches?
 A) 971 B) 982
 C) 990 D) None of these

49. Number of diagonals in a 30 sided convex polygon will be
 A) 818 B) 378 C) 405 D) 955

50. Two cars start from place A & B, 100 km apart, towards each other. Both cars start simultaneously. A bird sitting on one car starts at the same time towards the other car, and as soon as it reaches the second car, it flies back to the first car and it continues in this manner flying backwards and forwards from one car to the other, until the cars meet. Both cars travel at a speed of 50 kmph and the bird flies at 100 kmph. Total distance covered by the bird will be
 A) 100 km B) 200 km
 C) 50 km D) None of these

Part - C
English Language
Directions (51 to 52): Choose the correct article.

51. I bought _____ uniform for my daughter yesterday.
 A) An B) Of C) The D) A

52. _____ mighty have the upper hand.
 A) An B) A C) One D) The

Directions (Q. 53 & 54): Each of these questions consists of a word or phrase in capital letters followed by four words or phrases. Select the word or phrase that is

most nearly similar in meaning to the given word or phrase.

53. RAMBLE
    A) To divide
    B) To destroy everything
    C) Storm
    D) To walk about aimlessly

54. SLOTH
    A) Laziness   B) To hit directly
    C) Heavy   D) Inclined

Direction: Formulate correct sentences by selecting the most appropriate option.

55. If I were you, I _____ be careful with my words.
    A) Shall   B) Should
    C) Will   D) Would

Directions (Q. 56 & 57): In the following questions pick the correct spelt word.

56. A) Typhyoid   B) Typhiod
    C) Typhoid   D) Typhyiod

57. A) Stratcher   B) Strecher
    C) Stretchar   D) Stretcher

Directions (Q. 58 & 59): In the following questions choose the word opposite in meaning to the given word.

58. DIFFIDENCE
    A) Boldness   B) Converse
    C) Weakness   D) Cleverness

59. DIVISIVE
    A) Multiply   B) Acceptable
    C) Unifying   D) Derisive

Directions (Q. 60 & 61): Each of the following sentences has been broken in three parts (A), (B) and (C). If there is any grammatical error in any of these parts, that is your answer. If there is no error, the answer is (D).

60. He is man (A)/ which I know (B)/ you can trust (C)/ No error (D).

61. I shall ask him (A)/ not to come on Monday (B)/ as it is a working day.(C)/ No error (D).

Direction: Change the following sentence into reported speech.

62. Shashi said "I plan to leave for Australia next week."
    A) Shashi said that he planned to leave for Australia the following week
    B) Shashi told that he had planned to leave for Australia the following week
    C) Shashi said that he had planned to leave for Australia next week
    D) Shashi told that he planned to leave for Australia next week

Directions (Q. 63 to 69): Choose the correct option.

63. The tree lost _____ leaves.
    A) their   B) our   C) they   D) its

64. The snake crawled _____ the rock.
    A) under   B) at   C) with   D) after

65. Can you _____ a picture?
    A) fry   B) stay   C) ride   D) draw

66. My mother _____ us to school in our car.
    A) walks   B) goes   C) rides   D) drives

67. Tom is awake but jack is still ____.
    A) eating   B) reading
    C) asleep   D) crying

68. The kangaroos _____ over the fence.
    A) crawled   B) hopped
    C) swam   D) licked

69. Yesterday our team _____ the team of Ramjus School.
    A) is defeating   B) will defeat
    C) was defeated   D) defeated

Directions (Q. 70 to 72): Fill in the blank with correct proposition.

70. The thief entered the room _____ the window.
    A) through   B) with
    C) from   D) by

71. My car runs forty kilometers _____ a litre.
    A) for   B) or   C) in   D) to

72. _____ cooking, he also likes to write poetry in his free time.
    A) except   B) while
    C) beside   D) besides

Directions (Q. 73 & 74): Give one word for the underlined phrase.

73. My bedroom is warm and comfortable.
    A) cosy   B) beautiful
    C) neat   D) untidy

74. Diana spoke in a quiet voice to her friend.
    A) jumped   B) called
    C) yelled   D) whispered

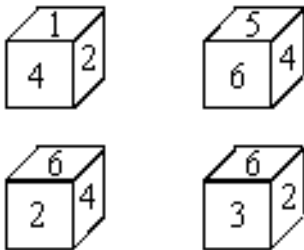**Direction:** Choose the correct passive voice of the sentence given in the question.

75. There is no house to let.
    A) There is no house which could be let
    B) There is no house for fetting out
    C) There is no house to be let
    D) No house is there to let

Part - D
Reasoning & Analytical Ability

76. In the given dice, which number is opposite of number 6.

    A) 2   B) 3   C) 1   D) 5

77. Beena is the mother of Chirag and Mihika. If Kapil is the husband of Mihika. What is the relation of Beena to Kapil?
    A) Daughter   B) Mother
    C) Sister-in-law   D) Mother- in -law

78. Ajay travels towards East, Vikas travels towards North. Sonu and 'Rachit' travel in opposite directions. 'Rachit' travels towards right of Ajay. Which of the following is definitely true?
    A) Vikas and Sonu travel in opposite directions

B) Sonu travels towards West
C) Rachit travels towards North
D) Vikas and Sonu travel in the same direction

79. In a certain code language LESSON is coded as NGUQML. How will PUZZLE be coded in that code language?
    A) RWXBJP   B) RVBXJC
    C) RWBXJC   D) RUBJXC

Directions: (Q. 80-81): Study the following information and answer the question given below it.
(a) Kamal, Gopal and Hari are intelligent.
(b) Kama, Ravi and Jai are hard working.
(c) Ravi, Hari and Jai are honest.
(d) Kamal, Gopal and Jai are ambitious.

80. Which of the following persons is neither hard working nor ambitious?
    A) Kamal   B) Gopal
    C) Hari   D) Ravi

81. Which of the following persons is neither honest?
    A) Gopal   B) Ravi   C) Hari   D) Jai

Directions (Q. 82 & 83): Each of the following questions is followed by two statements. Select the choice as follows.
A) If I alone is enough to answer the question.
B) If II is alone is enough to answer the question.
C) If I & II are both required to answer the question.
D) If both I & II are insufficient to answer the question and more data is required.

82. How many Indians can be considered to be in super rich bracket, if they constitute 0.001% of the population.
    Conclusion:
    I. In the last census, the population was 98 crores.
    II. Since the last census the population has increased by 14%.
    A) A   B) B   C) C   D) D

83. At the garage, the car owner was told that adjustments has been done and it will now give better kilometerage. Did it improve if:
    Conclusion:
    I. Before repairs it travelled 120 km. in 10 litres of fuel.
    II. After repairs it ran 240 km. on full tank.
    A) A   B) B   C) C   D) D

84. If ROAD = 152 and MAP = 90, then RAIL = ?
    A) 120   B) 140   C) 160   D) 180

85. If BAT = 69 and BOOK = 172, then PEN = ?
    A) 66   B) 105   C) 144   D) 183

Directions (Q. 86 & 87): In these questions, a series is given which may consist of numbers, alphabets or a mixture of both. You have to identify from the choices given against each question, the next term in the series in the place of question mark.

86. QPO, SRQ, UTS, WVU, ?
    A) XVZ   B) ZYA
    C) YXW   D) VWX

87. P3C, R5F, T8I, V12L, ?
    A) V17O   B) X17M
    C) X17O   D) X16O

Directions (Q. 88 to 91): The following questions are to be answered on the basis of information given below.

There is a group of 5 persons: A, B, C, D and E. In the group, there is a Professor of Philosophy, a professor of Psychology and a Professor of Economics. A and D are ladies who have no specialisation in any subject and are unmarried. No lady is Philosopher or an Economist. There is a married couple in the group of which E is the husband. B is the brother of C and is neither Psychologist nor an Economist.

88. Who is the wife of E?
    A) A   B) B   C) C   D) D

89. Which of the following groups includes all the men?
    A) ABC   B) BCD   C) BC   D) BE

90. Who is the professor of Philosophy?
    A) A   B) B   C) C   D) D

91. Who is the Professor of Economics?
    A) B   B) E   C) D   D) C

Directions (Q. 92 to 94): Pick the odd one out.

92. A) Kitchen   B) Bathroom
    C) Bedroom   D) Floor

93. A) Hear   B) Smell
    C) See   D) Talk

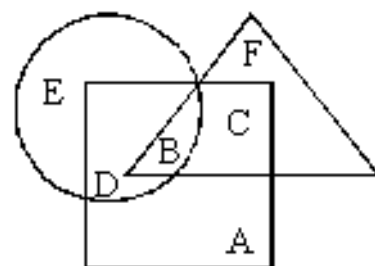94. A) Head   B) Heart
    C) Lung   D) Kidney

95. Madhu walks 30 meters forwards East, then he turns to his right and walks 20 meters. Then again turning to his right he walks 30 meters. How far and in which direction is he from his original position:
    A) 20 meters, North
    B) 50 meters, South
    C) 10 meters, West
    D) None of these

96. Six firemen are placed in a circle facing the centre of a circle to extinguish fire in the middle of the circle. A is between B and C, D is between E and F. E is to the immediate left of C. Who is to the immediate right of B:
    A) E   B) A
    C) F   D) None of these

Directions (Q. 97 to 99): In the following diagram three classes of population are represented by three figures. The triangle represents the school teachers, the square represents the married persons and the circle represents the persons living in joint families.

97. Married persons living in joint families but not working as school teachers are represented by

    A) C   B) D   C) A   D) B

98. Persons who live in joint families, are unmarried and who do not work as school teachers are represented by

    A) C   B) B   C) E   D) D

99. Married teachers living in joint families are represented by

    A) B   B) C

    C) A   D) None of these

100. If KOLKATA is coded as LPMLBUB then MUMBAI can be coded as

    A) NVODBJ   B) PVQDEI

    C) LOLBAI   D) NVNCBJ

KEY

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