

Total No. of Printed Pages : 13

(NOT TO BE OPENED BEFORE TIME OR TILL ASKED TO DO SO)

TYMOBA-EE-2013

D

Sr. No.20020.....

Time : 1¼ Hours (75 minutes)

Total Questions : 100

Max. Marks : 100

Candidate's Name _____ Date of Birth _____

Father's Name _____ Mother's Name _____

Roll No. (in figure) _____ (in words) _____

Date of Examination _____

(Signature of the Invigilator)

(Signature of the Candidate)

CANDIDATES MUST READ THE FOLLOWING INSTRUCTIONS BEFORE STARTING THE QUESTION PAPER & FOLLOW THEM.

1. **All questions are compulsory and carry equal marks.**
2. The candidates **must return** this question booklet and the OMR Answer-Sheet to the Invigilator concerned before leaving the Examination Hall, failing which a case of use of unfair-means/misbehaviour will be registered against him/her, in addition to lodging of an FIR with the police. Further the answer-sheet of such a candidate will not be evaluated.
3. The candidate **must not** do any rough work or writing in the OMR Answer-Sheet. Rough work, if any, may be done in the question booklet itself.
4. In case there is any discrepancy in any question(s) in the Question Booklet, the same may be brought to the notice of the Controller of Examinations in writing **within two hours** after the test is over. No such complaint(s) will be entertained thereafter.
5. **Use only blue or black ball point pen of good quality in the OMR Answer-Sheet.**
6. There will be no **negative** marking. Each correct answer will be awarded **one** mark. Cutting, erasing, overwriting and more than one answer in OMR Answer-Sheet will be treated as wrong answer.
7. **Before answering the questions, the candidates should ensure that they have been supplied correct and complete booklet, containing 100 questions (Sr. No. 1 to 100). Complaints, if any, regarding misprinting etc. will not be entertained 30 minutes after starting of the examination.**

TYMOBA-EE-2013/(D)

SEAL

1. A couple has a son and a daughter. The age of the father is three times that of his daughter and the age of the son is half of his mother. The wife is two years younger to her husband and the brother is seven years older than his sister. What is the age of the mother ?
 (1) 52 years (2) 46 years (3) 40 years (4) 36 years
2. What greatest number can be subtracted from 10000 so that the remainder may be divisible by 36, 54, 72 and 90 ?
 (1) 11080 (2) 80 (3) 8920 (4) 280
3. 2 men and 3 boys can do a piece of work in 10 days. 3 men and 2 boys can do the same in 8 days. In how many days can 2 men and 2 boys do the work ?
 (1) $7\frac{1}{5}$ (2) $\frac{5}{36}$ (3) $11\frac{1}{9}$ (4) $\frac{9}{100}$
4. A man loses 10% of his money and after spending 70% of the remainder, he still have ₹ 270 left. How much did he have at first ?
 (1) 900 (2) 1000 (3) 630 (4) 729.73
5. The average of 20 numbers is 12. If the average of first five numbers is 10 and that of last five is 14, the average of remaining numbers is :
 (1) 12 (2) 11 (3) 10 (4) 13
6. In what proportion must a grocer mix two teas, one priced ₹ 1.50/kg and the other ₹ 2.00/kg, so that the mixture may worth ₹ 1.80/kg ?
 (1) 3 : 2 (2) 2 : 3 (3) 4 : 1 (4) 1 : 4
7. The cost price of an article, which on being sold at a gain of 10% yields ₹ 6 more than if it is sold at a loss of 10% is :
 (1) ₹ 20 (2) ₹ 50 (3) ₹ 30 (4) ₹ 80
8. X is a working and Y is a sleeping partner in a business. X puts in ₹ 10000 and Y puts in ₹ 12000. X receives $12\frac{1}{2}\%$ of the profit for managing the business and the rest is divided in proportion to their capital. What does each get out of a profit of ₹ 1760 ?
 (1) ₹ 700, ₹ 840 (2) ₹ 700, ₹ 600 (3) ₹ 240, ₹ 840 (4) ₹ 920, ₹ 840
9. A man borrowed ₹ 24000 at 12% simple interest per annum. At the end of $5\frac{1}{2}$ years, he cleared his account by paying ₹ 12000 and a machine. What is the cost of the machine ?
 (1) ₹ 39840 (2) ₹ 15840 (3) ₹ 27840 (4) ₹ 3840

10. Train A leaves Rohtak for Mumbai at 8 a.m. , running at the speed of 60 km/hr. Train B leaves Rohtak for Mumbai by the same route at 1 p.m. on the same day, running at the speed of 120 km/hr. At what time will the two trains meet each other ?
- (1) 4 p.m. on the same day (2) 6 p.m. on the same day
(3) 4 a.m. on the next day (4) 6 a.m. on the next day
11. A boat takes 5 hours to travel from place A to B downstream and back from B to A upstream. If the speed of the boat in still water is 5 km/hr, what is the distance between two places ?
- (1) 12.5 km (2) 25 km
(3) 15 km (4) Data inadequate
12. Last day of a century cannot be :
- (1) Monday (2) Tuesday (3) Wednesday (4) Sunday
13. Two adjacent sides of a parallelogram measure 5 cm and 3 cm. One of its diagonals measures 6 cm. The area of the parallelogram is :
- (1) $2\sqrt{14}$ cm² (2) 15 cm² (3) 90 cm² (4) $4\sqrt{14}$ cm²
14. The sum of all natural numbers less than 100 that are divisible neither by 5 nor by 7 is :
- (1) 3370 (2) 3265 (3) 4845 (4) 3470
15. The number of diagonals that can be drawn by joining the vertices of a hexagon is :
- (1) 9 (2) 6 (3) 3 (4) 12
16. A speaks truth in 40 per cent of the cases and B in 10 per cent of the cases. The percentage of cases they are likely to contradict each other in stating the same fact is :
- (1) 36 per cent (2) 6 per cent (3) 42 per cent (4) 54 per cent
17. In a city, three daily newspapers X, Y and Z are published. 40% of the people in that city read X, 50% read Y and 70% read Z; 30% read X and Y, 25% read Y and Z, 35% read X and Z; 10% do not read any of the three newspapers. The percentage of persons who read all the three papers is :
- (1) 20% (2) 70% (3) 90% (4) 60%
18. By what percentage will the area of a square change if its side increases by 20% ?
- (1) 44% increase (2) 40% increase (3) 20% increase (4) 20% decrease

D

19. A rectangular water tank is $80\text{ m} \times 40\text{ m}$. Water flows into it through a pipe 40 sq. cm at the opening at a speed of 10 km/hr . By how much the water level will rise in the tank in half an hour ?

- (1) 16 cm (2) $\frac{4}{9}\text{ cm}$ (3) $\frac{1}{16}\text{ cm}$ (4) $\frac{5}{8}\text{ cm}$

20. Complete the series given below.

ba _ ba _ _ bb aaa _ bbb _ _ aa

- (1) baabab (2) babbab (3) bbbaaa (4) babbaa

21. Which number when placed at the sign of interrogation shall complete the number matrix ?

3	2	5
4	6	4
6	4	3
36	36	?

- (1) 36 (2) 32 (3) 27 (4) 35

22. Which letter when placed at the sign of interrogation shall complete the matrix ?

E	E	J
F	J	O
?	N	S

- (1) G (2) K (3) J (4) H

23. In a certain code '325' means 'play with skill', '715' means 'settle with courage' and '749' means 'courage and pressure'. What is the code of 'pressure' ?

- (1) Either 4 or 9 (2) Either 7 or 9
(3) Only 9 (4) Only 4

24. If we are going early in the morning towards the south, the sun will be visible at our left :

- (1) Always (2) Never (3) Often (4) Sometimes

25. A fruit seller was asked how many fruits he had. He replied that there were all mangoes but ninety, all bananas but ninety and all apples but ninety. How many fruits he had in all ?

- (1) 270 (2) 180 (3) 135 (4) 90

26. A crossed cheque is one, which can be encashed only :
- (1) through a bank
 - (2) at State Bank of India
 - (3) by the drawee
 - (4) after it has been transferred to another person
27. 'Repo rate' is the rate at which
- (1) the RBI lends to banks
 - (2) the RBI lends to State Government
 - (3) the banks lend to RBI
 - (4) the international aid agencies lend to Central Bank
28. Words Bull and Bear are associated with which branch of commercial activity ?
- (1) Foreign Trade
 - (2) Share Market
 - (3) Banking
 - (4) Manufacturing
29. Black money is :
- (1) Counterfeit currency
 - (2) Illegally earned money
 - (3) Income on which payment of tax is usually evaded
 - (4) Money earned through underhand deals
30. One rupee currency notes bear the signature of :
- (1) President of India
 - (2) RBI Governor
 - (3) Finance Secretary of India
 - (4) Finance Minister of India
31. Deficit financing creates additional paper currency to fill the gap between expenditure and revenue. This aims at economic development but if it fails, it generates :
- (1) inflation
 - (2) deflation
 - (3) devaluation
 - (4) demonetisation
32. India's wage policy is based on :
- (1) Cost of living
 - (2) Standard of living
 - (3) Productivity
 - (4) All of the above
33. A rolling plan is a plan for :
- (1) One year
 - (2) Three years
 - (3) Five years
 - (4) Year to year basis

34. An underdeveloped economy is generally characterised by :
- (1) low dependency figure
 - (2) low rate of capital formation
 - (3) low per capita income
 - (4) working force largely in the tertiary sector
35. Economic Survey is published by :
- (1) Indian Statistical Institute
 - (2) Government of India
 - (3) Planning Commission
 - (4) Ministry of Finance
36. Globalisation of Indian Economy means :
- (1) Establishing Indian business units abroad
 - (2) Stepping up external borrowings
 - (3) Having minimum possible restrictions on economic relations with other countries
 - (4) Giving up programmes of import substitution
37. PM's economic advisory panel has expected India to grow at the rate of 6.4 per cent in 2013-14 due to :
- (1) improvement in performance of fishing and seafood sectors
 - (2) improvement in performance of gems and stones sectors
 - (3) improvement in performance of agriculture and manufacturing sectors
 - (4) improvement in performance of retail sectors
38. The 'USP' of a product denotes :
- (1) Usefulness of the product
 - (2) Main functions
 - (3) High selling features of a product
 - (4) Number of alternative products available
39. The target market for Debit Cards is :
- (1) All vendors in the locality
 - (2) All existing account holders
 - (3) All outsourced agents
 - (4) All bankers of that locality
40. Banking Ombudsman is appointed by :
- (1) Government of India
 - (2) EXIM Bank
 - (3) Ministry of Finance
 - (4) RBI

41. The Holidays for the commercial Banks are declared as per :
 (1) RBI Act (2) Banking Regulation Act
 (3) Negotiable Instruments Act (4) Companies Act
42. Invisible Export means export of :
 (1) Services (2) Restricted goods
 (3) Goods as per OGL list (4) None of these
43. Which is the best measure of economic growth of a country ?
 (1) GDP (2) GNP (3) Net revenue (4) All of the above
44. Temporary tax levied to obtain additional revenue is called :
 (1) cess (2) rate (3) fee (4) surcharge
45. In the short run, a producer continues his production as long as he covers :
 (1) variable cost (2) fixed cost (3) average cost (4) marginal cost
46. VAT is alternate of :
 (1) State tax (2) Central tax (3) (1) & (2) both (4) None of the above
47. The main reason for low growth rate in India, inspite of high rate of savings and capital formation is :
 (1) high birth rate (2) low level of foreign aid
 (3) low capital/output ratio (4) high capital/output ratio
48. Investment in public works is known as :
 (1) revenue expenditure (2) capital expenditure
 (3) current expenditure (4) None of these
49. The gilt-edged market deals in :
 (1) Government securities (2) Bullion
 (3) Worn and torn currency notes (4) Corporate bonds
50. Octroi is levied and collected by :
 (1) Centre (2) State Government
 (3) Local bodies (4) None of these
- Note* : Fill in the blanks :
51. It when I there.
 (1) has been raining, will reach (2) was still raining, reached
 (3) had been raining, will reach (4) none of these

52. He that he plants everyday.
(1) said, watered (2) said, is watering
(3) says, was watering (4) none of these
53. If you some mustard, the sandwiches better.
(1) had put, would have tasted (2) will put, might have tasted
(3) were to put, will taste (4) None of these
54. I will give Mohan your message. I do it easily because I him tomorrow. We to work on the same train.
(1) will, can see, went (2) may, will see, were going
(3) can, will see, go (4) None of these
55. This palace to in three years.
(1) is said, have been built (2) can be said, had been built
(3) was said, had been built (4) will be said, would have been built
56. You ring the bell; I have a key.
(1) need (2) need not (3) must (4) must not

Note : Put the following into indirect speech.

57. He said, "After the lecture I had to rush home."
(1) He said that after the lecture I had to rush home.
(2) He observed that after the lecture I would have to rush home.
(3) He said that after the lecture he had had to rush home.
(4) He informed me that after the lecture had would have to rush home.
58. He said, "Don't walk on the ice, it is not safe."
(1) He asked him to not walk on the ice since it is not safe.
(2) He ordered me to not walk on the ice since it was not safe.
(3) He wondered that I should not walk on the ice because it was not safe.
(4) He warned me not to walk on the ice as it was not safe.

Note : Put the following into the passive.

59. She gave me a book.
(1) I had been given a book. (2) I was given a book by her.
(3) The book was given to me by her. (4) None of these

60. People say that he is a spy.
 (1) It was said that he was a spy.
 (2) It was observed that he is a spy.
 (3) He is said to be a spy.
 (4) None of these

Note : Spot the error, if any.

61. The ship was loaded with cotton.
 (1) (2) (3) (4)
62. Being a destitute I got him admitted to an old people's home.
 (1) (2) (3) (4)
63. It is time you decide on your next course of action.
 (1) (2) (3) (4)
64. Inspite of the doctor's stern warning he continued taking sugar in his tea.
 (1) (2) (3) (4)
65. I am sorry I did not know you have left your coat here when you come to see
me last Thursday.
 (1) (2) (3)
 (4)
66. I and you have done our duty to the best of our abilities.
 (1) (2) (3) (4)

Note : Choose the correct synonym of the given word out of the four given choices.

67. Abhor :
 (1) Crave (2) Reconcile (3) Detest (4) Rude
68. Arid :
 (1) Dry (2) Charge (3) Accuse (4) Apprehend
69. Impair :
 (1) Couple (2) Saucy (3) Polite (4) Injure
70. Iota :
 (1) Mass (2) Whole (3) Atom (4) Calm

Note : Read the following passage and answer the questions.

A Close look at the facts relating nexus. to political interference in administration shows that it is not a one-way process. There is often a nexus between power-hungry and corrupt politicians and civil servants with convenient principles. Many civil servants are only too anxious to oblige the politicians, and then cash the obligation when they need some special favour. So the attitude of self-righteousness adopted by the civil servants is sometimes only a way of covering their own flaws by blaming others.

Every now and then some retired civil servants come out with their memoirs suggesting political interference. It is not usual for the self-styled hero to blame not only interfering politicians but also fellow civil servants for their failures, if any. This attitude of smug self-satisfaction is, unfortunately developed during the years of service. Self preservation is encouraged by our whole system of rules and procedures.

71. Passage suggests that :

- (1) There is no political interference in the functioning of civil servants
- (2) All civil servants succumb to political pressure
- (3) There are some civil servants who compromise with their integrity while obliging the politicians
- (4) All politicians are corrupt

72. The memoirs are, meant to :

- (1) glorify the writers achievements
- (2) ignore the politicians
- (3) blame the fellow civil servants
- (4) None of these

73. The existing system of administration seems to encourage civil servants :

- (1) To become self-styled heroes
- (2) To praise the politicians
- (3) To become self-centred and concerned only about their gain
- (4) To become self-righteous

74. Nexus' means :

- | | |
|----------------|-------------------|
| (1) connection | (2) disruption |
| (3) niche | (4) none of these |

75. 'Memoir' means :

- (1) biography
- (2) autobiography
- (3) written account of persons and events
- (4) verbal account of persons and events

76. Gross domestic product is the monetary value of :

- (1) Stock of goods and services
- (2) All final goods and services produced in a year
- (3) Goods produced for the market only
- (4) Goods produced for the market and for self consumption

77. Which of the following statements are correct ?

- (a) Assam shares its border with Bangladesh and Bhutan
- (b) West Bengal shares its border with Nepal and Bhutan
- (c) Mizoram shares its border with Bangladesh and Myanmar

- (1) a, b, c (2) a, b (3) b, c (4) a, c

78. To an observer on the lunar surface, during daytime, the sky will appear to be :

- (1) Light yellow (2) Blue (3) Orange (4) Black

79. In which of the following states, the child sex ratio is the lowest as per 2011 census ?

- (1) Punjab (2) Bihar (3) Haryana (4) Chhattisgarh

80. Shunglu committee was constituted by the Prime Minister to :

- (1) Draft the Jan Lokpal Bill
- (2) Look into the corruption charges in the conduct of common wealth games
- (3) Look into telecom scam
- (4) Inquire into phone-tapping amid a corporate lobbyist scandal

81. Which of the following are responsible for the decrease in per capita holding of cultivated land in India ?

- (1) Low per capita income
- (2) Rapid rate of increase in population
- (3) Practice of dividing land equally among the heirs
- (4) Use of traditional ploughing techniques

SEAL

82. In the Rajya Sabha, the states have been allotted seats :
- (1) In accordance with their population
 - (2) Equally
 - (3) On the basis of population and economic position
 - (4) On the basis of present economic status
83. In an atomic explosion, release of large amount of energy is due to the conversion of :
- (1) Chemical energy into nuclear energy
 - (2) Nuclear energy into heat
 - (3) Mass into energy
 - (4) Chemical energy into heat
84. Bancassurance is :
- (1) An insurance scheme to insure bank deposits
 - (2) An insurance scheme exclusively for bank employees
 - (3) A composite financial service offering both bank and insurance products
 - (4) A bank deposit scheme exclusively for employees of insurance companies
85. The responsibility of preparation of electoral roles in India rests with :
- (1) The Parliament
 - (2) The local administration
 - (3) The Election Commission
 - (4) The Return Officer
86. 'Kyoto Protocol' an agreement signed by various countries, is associated with :
- (1) International trade
 - (2) Clean environment and climate change
 - (3) Deep sea oil and mineral exploration
 - (4) Building common food stock to save human beings from natural disaster
87. What is the significance of Ozone layer in atmosphere ?
- (1) It maintains the seasonal cycles
 - (2) It ensures timely arrival of monsoon
 - (3) It prevents the global warming
 - (4) It reflects the ultraviolet rays of the sun
88. Which is the only internal organ of human body capable of regenerating its lost tissues ?
- (1) Lungs
 - (2) Kidney
 - (3) Liver
 - (4) Brain
89. Who has the authority to call a joint session of the two houses of parliament ?
- (1) Prime Minister
 - (2) President
 - (3) Speaker of Lok Sabha
 - (4) Chairman of Rajya Sabha

90. IREDA was established in the year :
(1) 1987 (2) 1988 (3) 1989 (4) 1990
91. Which is the first newspaper published in India ?
(1) Times of India (2) Hindustan Times
(3) Statesman (4) Bengal Gazette
92. A contract made by mistake is :
(1) Void (2) Voidable (3) Illegal (4) Immoral
93. Which of the following countries, in South Asia, has highest literacy rate ?
(1) Sri Lanka (2) India (3) Pakistan (4) Bangladesh
94. Which of the following countries was the first to give voting right to women ?
(1) Iceland (2) India
(3) New Zealand (4) United States of America
95. Who was the founder of Gadar Party ?
(1) V. D. Sawarkar (2) Bhagat Singh
(3) Madam Bhikaji Kama (4) Lala Hardyal
96. Who is the author of the book, "Journey of a Nation : Indian National Congress – 125 Years" ?
(1) Ashok Sharma (2) Anand Sharma (3) Sunil Shastri (4) Vijay Dutt
97. Konkan coast is spread between :
(1) Goa and Cochin (2) Goa and Mumbai
(3) Goa and Daman (4) Daman and Diu
98. Which gas is known as the Marsh Gas ?
(1) Propane (2) Methane (3) Ethane (4) Bruffen
99. Biogas contains mainly :
(1) Methane (2) Ethane (3) Hydrogen (4) Carbon monoxide
100. Which of the following statement(s) is/are correct ?
(a) A solid substance expands on melting
(b) Ice shrinks on melting
(c) Density of ice is less than that of water
(1) a only (2) b only (3) c only (4) a, b and c