

VTS EXAMINATION 2016-17 (FINAL)
QUESTION PAPER

Class : VII



Register No :

Score : 400
Time : 2 hrs

General Instructions

1. Candidates are supplied with an OMR Answer Sheet.
2. Answer the questions in the OMR Sheet by shading the appropriate bubble.
3. Shade the bubbles with black ball point pen.
4. Each question carries four marks. One mark will be deducted for each wrong answer.
5. Use the space provided in the last page for rough work.

Read the following passage and answer the questions.

Marie curie was one of the most accomplished scientists in history. Together with her husband, Pierre , she discovered radium, an element widely used for treating cancer, and studied uranium and other radioactive substances. Pierre and Marie's amicable collaboration later helped to unlock the secrets of atom.

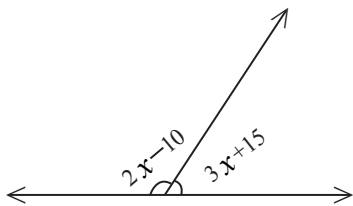
Marie was born in 1867 in Warsaw, Poland, where her father was a professor of physics. At an early age, she displayed a brilliant mind and blithe personality. Determined to receive a higher education, she left Poland and in 1891 entered the Sorbonne, a French university, where she earned her master degree and doctorate in physics.

1. The Curies' collaboration helped to unlock the secrets of the atom.
A. Competitive B. Friendly C. Chemistry D. Industrious
2. Where did Marie earn her doctorate in physics ?
A. Poland B. England C. Germany D. France
3. Marie had a bright mind and a personality.
A. Light - hearted B. Strange C. Humorous D. Strong
4. Who did help to unlock the secrets of atom ?
A. Her father B. Professor C. Pierre D. Uranium

Fill in the blanks suitably using the correct options A , B , C , or D.

5. I think he is utopian.
A. An B. A C. The D. None of these
6. She poured the tea the mug.
A. In B. To C. With D. Into
7. When I reached the railway station, the train
A. Leaves B. Will leave C. Had left D. Left
8. It can be in the treatment of some conditions
A. Beneficial B. Benificial C. Beneficiate D. Benefital
9. If I were a millionaire, I a luxurious car.
A. Shall buy B. Would buy C. Will buy D. Have bought

10. the lights when you go to bed.
 A. Turn on B. Turn up C. Turn off D. Turn out
11. The following number of goals were scored by a team in a series of 5 matches:
 4, 5, 0, 1, 2. The median is
- A. 5 B. 3 C. 2 D. 4
12. By what number $\frac{8}{15}$ be multiplied to get $\frac{2}{5}$?
 A. $\frac{16}{75}$ B. $\frac{75}{16}$ C. $\frac{4}{3}$ D. 5
13. The cost of 1.5 kg potatoes is ₹ 15.75. Then 2.20 kg potatoes will cost
- A. ₹ 10.25 B. ₹ 23.10 C. ₹ 12.10 D. ₹ 22.01
14. In the given figure find the value of x .



- A. 70° B. 25° C. 80° D. 35°
15. Find X, Y, Z if $BC \parallel PQ$
-
- A. $60^\circ, 70^\circ, 70^\circ$ B. $60^\circ, 50^\circ, 70^\circ$ C. $70^\circ, 60^\circ, 60^\circ$ D. $60^\circ, 50^\circ, 50^\circ$
16. A six storey building has 36m height. A monkey can climb 3m in one jump. In how many jumps would the monkey reach at the top of the building ?
- A. 10 B. 11 C. 12 D. 13
17. What power of 5 is 625 ?
- A. 2 B. 3 C. 4 D. 5
18. Simplify $0.038 - 24.7 + 83.26$
- A. 83.298 B. 58.598 C. 57.598 D. 84.298
19. The perimeter of a rectangle is $2p^2 + q^2 + 2pq$. Find the perimeter of a triangle, which is less than the perimeter of the rectangle by $p^2 + pq$.
- A. $3p^2 + q^2 + pq$ B. $3p^2 + q^2 + 3pq$ C. $3p^2 + 2q^2 + pq$ D. $p^2 + q^2 + pq$
20. If $5p - \frac{3}{4} = 2p - \frac{2}{3}$, then the value of p is
- A. 4 B. $\frac{1}{36}$ C. $\frac{1}{4}$ D. $\frac{1}{12}$

21. The term used for the vertical section of soil to show the different layers of soil
 A. Soil texture B. Soil profile C. Weathering D. Soil erosion
22. From the following, choose the favourable and unfavourable soil combinations for the growth of plants:
 A. Sandy soil and red soil B. Sandy soil and clayey soil
 C. Loamy soil and sandy soil D. Clayey soil and loamy soil
23. What is the effect of red and blue litmus paper on lime water ?
 A. Red turns blue and blue does not change B. Red and Blue do not change
 C. Red does not change and blue turns white D. Red turns white and blue does not change
24. Sting of ant contains:
 A. Acetic acid B. Formic acid C. Citric acid D. Hydrochloric acid
25. Milk of magnesia is used as an antacid because:
 A. It is acidic B. It is basic C. It is neutral D. All of these
26. Consider the following statements:
 (a) Both acids and bases change colour of all indicators
 (b) If an indicator gives a colour change with an acid, it does not give a change with a base.
 (c) If an indicator changes colour with a base, it does not change colour with acid
 (d) Change of colour in an acid and a base depends on the type of the indicator.
 Which of these statements are correct?
 A. All four B. (a) and (d) C. (b) and (c) D. Only (d)
27. Ruminants can:
 A. Digest the cellulose B. Digest the fat
 C. Digest the carbohydrate D. Digest the starch.
28. Choose the correct option from the following for the raw materials of photosynthesis
 A. Oxygen, Water, Nitrogen and chlorophyll
 B. Carbon dioxide, Oxygen, Water and chlorophyll
 C. Water, Carbondioxide, chlorophyll and Solar energy
 D. Nitrogen, water, oxygen and solar energy
29. Tiny pores on the surface of leaves are
 A. Lamina B. Stomata C. Chlorophyll D. Chloroplast
30. In a lichen, algal and fungal partners live together and both are mutually beneficial. Under this situation which statement is correct ?
 A. Algal component is autotrophic and fungal component is parasitic
 B. Algal component is parasitic and fungal component is autotrophic
 C. Algal component is autotrophic and fungal component is heterotrophic
 D. Algal component is heterotrophic and fungal component is autotrophic
31. The leader of Indian renaissance who attacked caste system and gave the call 'go back to vedas'.
 A. Sir Syed Ahamad Khan. B. Swami Dayananda Saraswati
 C. Swami Vivekananda D. Pandita Ramabhai.

32. Who among the following social reformers argued that free and compulsory education should be provided to children up to 12 years and gave primary concern to the education of the weaker section and women ?
 A. Dr. B.R. Ambedkar B. Mahatma Gandhi
 C. Ram Mohan Roy D. Jyoti Rao Phule
33. The British civil servant who helped for the formation of Indian National Congress
 A. A.O. Hume B. Colonel Olcott C. Lord Mayo D. Colonel Sargent
34. The decision to effect the partition of Bengal was announced in
 A. 1906 B. 1908 C. 1905 D. 1910
35. Who wrote 'Akbar Nama' ?
 A. Akbar B. Abul Fazal C. Todarmal D. Birbal
36. Which one of the following seas has the salinity of 340 gms per liter of water
 A. Arabian Sea B. North-sea C. Dead Sea D. Red sea
37. On which layer meteorites burn up after entering Earth's atmosphere ?
 A. Mesosphere B. Thermosphere C. Exosphere D. Staratosphere
38. The degree of hotness and clodness of the air is known as
 A. Evaporation B. Condensation C. Temperature D. Insolation
39. Who was the acting chairman of the Indian constituent Assembly ?
 A. Dr. B.R. Ambedkar B. Dr. Rajendra Prasad
 C. Dr. Sachidananda Sinha D. Jawaharlal Nehru
40. To ensure the availability of food for all sections of people, the Parliament of India passed the National Food Security Bill and it became an act in
 A. 2014 B. 2012 C. 2011 D. 2013
41. Which Indian personality was recently bestowed with the Saudi Arabia's highest civilian honour "the King Abdulaziz Sash" ?
 A. Pranab Mukherjee B. Sushma Swaraj C. Narendra Modi D. Dalbir Singh
42. World's first white tiger safari has opened in which state of India ?
 A. Rajasthan B. Madhya Pradesh C. Gujarat D. West Bengal
43. Which of the following is the newly introduced fully unreserved superfast train in India ?
 A. Humsafar Express B. Antyodaya Express
 C. Thejus Express D. Uday Express
44. The Scheduled Castes and Scheduled Tribes Amendment Act 2015 came into force on
 A. 12th February 2016 B. 26th January 2016
 C. 8th January 2016 D. 20th March 2016
45. India's Biosphere Reserve is included in UNESCO's world network of biosphere reserves.
 A. Anamudi B. Agasthyamala C. Mount K2 D. None of these
46. Who determines the salaries and allowances of union ministers ?
 A. Prime Minister B. Finance Minister C. Parliament D. None of these
47. Who is the leader of the opposition in Rajya Sabha ?
 A. P.J. Kurian B. Ghulam Nabi Azad C. A.K. Antony D. Hamid Ansari

48. How many members are represented in the Lok Sabha from the Union territories ?
 A. 52 B. 20 C. 30 D. 25
49. SAARC stands for
 A. South Asian Association for Regional Co-operation.
 B. South American Association for Regional Co-operation.
 C. Small Agricultural Association for Regional Co-operation.
 D. South Asian Association for Railway Co-operation
50. ASLV stands for
 A. Atomic Satellite Launch Vehicle B. Automatic Satellite Launch Vehicle
 C. Augmented Satellite Launch Vehicle D. Army Satellite Launch Vehicle
51. Inventor of Petrol Engine
 A. Karl Benz B. Anderson C. Bi Sheng D. Roentgen
52. What invention caused many deaths while testing it ?
 A. Dynamite B. Parachute C. Ladders D. Race cars
53. Who is the English physicist responsible for the “Big Bang Theory” ?
 A. Albert Einstein B. Michael Skube C. George Gamow D. Roger penrose
54. The father of Indian planning
 A. Jawaharlal Nehru B. M. Vishveswaraya
 C. Sardar Vallabhbhai Patel D. Gulsarilal Nanda
55. Angela Merkel is the chancellor of
 A. Russia B. USA C. Britain D. Germany
56. Who was known as the political guru of Subhash Chandra Bose ?
 A. C.R. Das B. Gopal Krishna Gokhale C. Rjagopalachari D. Bal Gangadhar Tilak
57. Who among the following was awarded Bharat Ratna posthumously in 1983 ?
 A. Mohammed Iqbal B. Vijayalakshmi Pandit
 C. Vinoba Bhave D. Chandra Shekhar Azad
58. Which of these slogans is associated with Gandhiji ?
 A. Freedom is my birth right B. Inquilab zindabad
 C. India lives in villages D. Delhi chalo
59. Madrid is the capital of which country ?
 A. Italy B. Spain C. Russia D. Japan
60. is the capital of Bahrain
 A. Luxembourg B. Vatican City C. Asmara D. Manama
61. The Dancing Nataraja Figure at Chidambaram was built by
 A. Mughal Dynasty B. Gupta Dynasty C. Chola Dynasty D. Chera Dynasty
62. Palace of thousand pillars was built by
 A. Alauddin Khilji B. Krishnadeva Raya C. Jahangir D. Akbar
63. St. Peter’s Square is located in which European country?
 A. Germany B. Italy C. Australia D. Norway

64. Who is the first Indian woman to win an Asian games gold in 400 mtr. race ?
 A. M.D. Valsamma B. P.T. Usha C. Kamaljeeth Sandhu D. Karnam Malleswari
65. Who is the youngest world champion in the history of Formula One Races ?
 A. Felipe massa B. Robert Kubica C. Kimi Raikkonen D. Lewis Hamilton
66. 'MPG' Extension refers usually to what kind of file?
 A. Word Perfect Document B. MS Office C. Animation/Movie D. Image
67. Who developed Yahoo ?
 A. Dennis Ritchie and Ken Thompson B. David Filo and Jerry Yang
 C. Vint Cert and Robert Kahn D. Steve Case and Jeff Bezos
68. What does the term PLC stands for
 A. Programmable Lift Computer B. Programme List Control
 C. Programmable Logic Controller D. Plezo Lamp Connector
69. Highest Dam in the world is
 A. Nurek dam B. Jinping dam C. Hirakud dam D. Bakra Nangal
70. The fastest super computer in the world
 A. Tianhe II B. Param C. Cray I D. Param Yuva
71. BCD:EFG::LMN: ?
 A. PQO B. OPQ C. QPO D. POQ
72. 107,97,82,62, ?
 A. 52 B. 42 C. 47 D. 37
73. Town D is towards east of town F. Town B is towards north of town D. Town H is towards south of town B. Towards which direction is town H from town F ?
 A. East B. South-East C. North-East D. Data inadequate
74. If 4th Saturday of a month was 22nd day, then what was the 13th day of that month ?
 A. Tuesday B. Wednesday C. Thursday D. Friday
75. What was the day of the week on 15th August 1947 ?
 A. Friday B. Sunday C. Saturday D. Thursday

Direction (Q: Nos 76-80): Read the following information carefully and answer the questions given below.

P,Q,R,S,T,W and Z are seven students studying in 3 different colleges A,B and C. There are 3 girls among them studying one each in each of these colleges. Two of them study mechanical engineering ,2 study medicine and one each studying biotechnology ,pharmacy and electrical engineering .R studies with only her best friend P who studies pharmacy in college B. No girl studies either biotechnology or electrical engineering . T studies mechanical engineering in college A and his brother W studies electrical engineering in college C .None of the two study medicine in college B. S studies biotechnology along with T and Z.

76. In which of the colleges do three of them study?
 A. C B. B C. A or C D. None of these
77. Which of the following pairs of students study medicine ?
 A. S,Z B. Z,W C. Z,Q D. T,Q
78. Which of the following is the field of study of Z ?
 A. Medicine B. Mechanical C. Electrical D. None of these

79. Which of the following represents the three girls ?
 A. S,Z,Q B. Z,R,Q C. S,R,Q D. Data inadequate
80. In which college does Q study ?
 A. A B. B C. A or B D. C

Direction (Q:Nos 81,82): Which of the conclusions can be drawn from the statements ?

81. Statements : All the students in my class are intelligent .Kaushik is not intelligent.
 Conclusions:
 A. Some students are not intelligent B. Non-intelligent are not students
 C. Kaushik is not a student of my class D. All other than Kaushik are intelligent
82. Statements: A. Karan johar is a good director
 B. Directors are intelligent

- Conclusions:
 A. All intelligent are directors B. Karan johar is intelligent
 C. Both (A) and (B) D. None of these

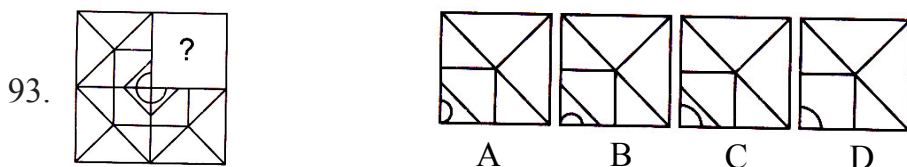
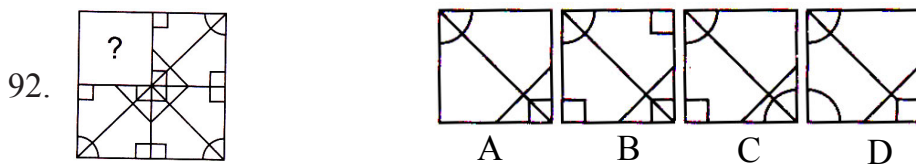
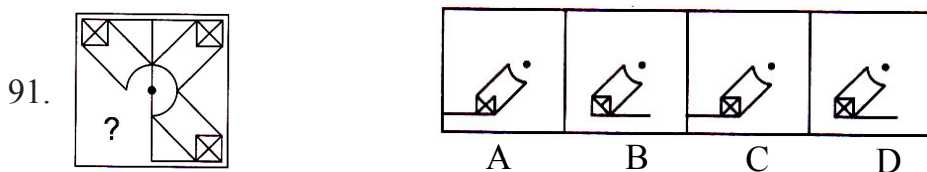
Directions (83,84): In each of the following questions, some groups letters are given, all of which except one, share a common similarity while one is different. Select the odd one

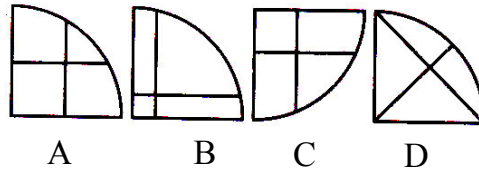
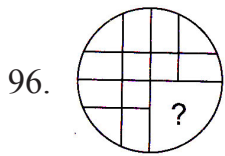
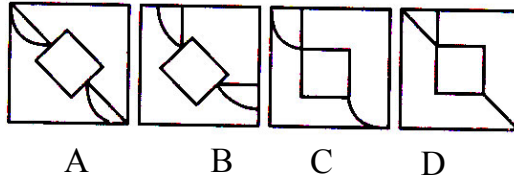
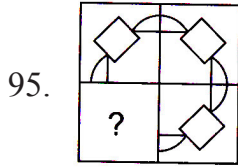
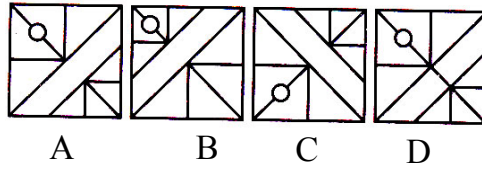
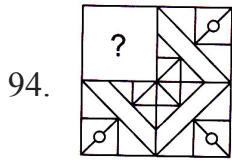
83. A. L J H N B. FDBH C. SQOU D. PNKR
 84. A. BJLQ B. TPDC C. BKDF D. OLTf

Direction (Qns 85-90): In the following questions three alternatives are same in a certain way out of four so form a group.Find out odd word that does not belong to the group

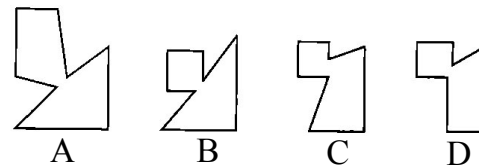
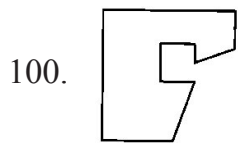
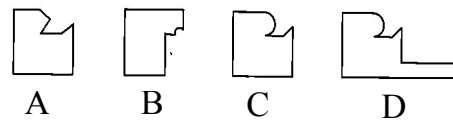
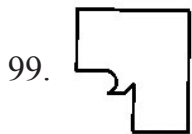
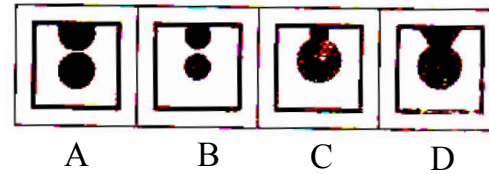
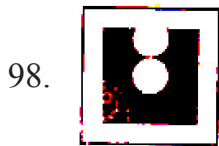
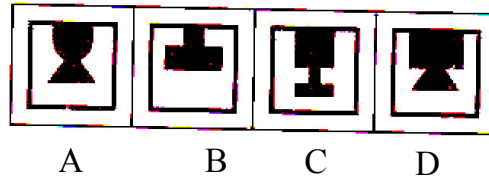
85. A. Debit B. Deposit C. Deduction D. Withdrawal
 86. A. Jupiter B. Uranus C. Mercury D. Earth
 87. A. Rain B. Shower C. Sleet D. Raisin
 88. A. Bhutan B. Bangladesh C. China D. Pakistan
 89. A. John F Kennedy B. Abrham Lincoln C. George Washington D. Gerald Ford
 90. A. Gun B. Pistol C. Dagger D. Atom bomb

Direction (Q: Nos 91-96): In each of the following questions a part of a question figure is missing. From the given answer figures A, B, C and D find out the figure that can replace the '?' to complete the question figure.





Direction (Q: Nos 97-100): In the following questions choose the correct answer figure which will make a complete square on joining the problem figure.



Space for rough works