This question paper is a model test paper. Some of these questions may have appeared in the previous years' tests. The actual test may have a different number of questions and questions of different types. This paper is meant only to provide an idea of the kind of questions that may be asked in the test

### **Section A: Economics**

- The current and 6<sup>th</sup> Director-General of WTO Roberto Azevêdo appointed on 1<sup>st</sup> September 2013 is resident of which country?
  - a) Brazil
  - b) Canada
  - c) China
  - d) Russia
- 2. Repo Rate is -
  - a) The rate at which banks borrow money from the RBI by selling their surplus government securities to RBI
  - b) The rate at which commercial bank borrow from public
  - c) The rate at which RBI borrow from commercial bank
  - d) None of the above
- 3. Reporate is short form of
  - a) Repurchase Ratio
  - b) Resale Rate
  - c) Repurchase Rate
  - d) None of the above
- In 1963, HYV seeds used in green revolution was imported from
  - a) Russia
  - b) Canada
  - c) America
  - d) China
- 5. State Bank of India was set up in year
  - a) 1955
  - b) 1956
  - c) 1976
  - d) 1969
- 6. Contribution of tertiary sector in GDP during 2011 2012 is
  - a) 41%

- b) 51%
- c) 71%
- d) 59%
- 7. Present SLR rate is (declared on 4 April 2016)
  - a) 20%
  - b) 21%
  - c) 20.75%
  - d) 24%
- Paper money or bank notes were first used in
  - a) China
  - b) Russia
  - c) America
  - d) India
- India became the largest producer of milk in the world surpassing the United States.
  - a) In 1998
  - b) In 1999
  - c) In 1991
  - d) In 1993
- 10. Present Bank Rate (April 2016) is
  - a) 6.70%
  - b) 6.75%
  - c) 7.75%
  - d) 8%
- 11. The Monetary policy committee (MPC) of RBI has how many members?
  - a) 5
  - b) 4
  - c) 6
  - d) 10
- 12. At the Sustainable Development Summit on 25<sup>th</sup> September 2015, UN Member States adopted the 2030 Agenda for Sustainable Development, which includes a set of
  - a) 17 Sustainable Development Goals (SDGs)

b) 16 Sustainable Development	c) 30
Goals (SDGs)	d) 35
c) 18 Sustainable Development Goals	18. Any person aggrieved by an order
(SDGs)	made by the District Forum may
d) 19 Sustainable Development Goals	appeal against such order to the
(SDGs)	within a period of 30 days
13. Contribution of Agriculture, forestry	from the date of the order.
and fishing in GDP during 2011 – 2012	a) State commission
is –	b) National commission
a) 14%	c) Supreme court
b) 15%	d) District court
c) 17%	19. Van Vihar National Park is situated in –
d) 18%	a) UP
14. During 1960's Prime Minister	b) MP
dreamt of revolution in milk also	c) Andhra Pradesh
known as the white revolution.	d) Rajasthan
a) Indira Gandhi	20. As of 2010, the Food and Agriculture
b) Lal Bhadur Shastri	Organisation of the United Nations
c) Morarji Desai	estimated India's forest cover to be
d) Gulzarilal Nanda	about 68 million hectares, or
15. Modern commercial banking made its	of the country's area.
beginning in India with the setting up	a) 22%
of the first Presidency Bank,	b) 23%
in 1806.	c) 26%
a) The Bank of Bengal	d) 28%
b) SBI	21. The Indian economy expanded its GDP
c) Imperial Bank	by percent year-on-year in
d) None of the above	the first three months of 2016.
16. Tata Company was founded in	a) 7.9%
by Jamshedji Tata.	b) 8%
a) 1868	c) 7.2%
b) 1867	d) None
c) 1965	22. The first synchronous census in India
d) 1987	was held in
17. The District Forum has jurisdiction to	a) 1888
entertain complaints where the value	b) 1881
of goods/ services claimed does not	c) 1876
exceed Rupees Lakhs.	d) 1951
a) 10	
b) 20	

23. First Five-year Plan was launched in 1951 which mainly focused in development of the  a) Primary sector b) Tertiary sector	<ul> <li>d) None</li> <li>29. HDI ranking of India is</li> <li>a) 135</li> <li>b) 130</li> <li>c) 137</li> </ul>
c) Secondary sector	d) 140
d) All the sectors	30. A is a village-based financial
24. Duration of Fourth five year plan was	intermediary committee usually
a) 1970-75	composed of 10 –20 local women or
b) 1969–1974	men.
c) 1980-85	a) Rural committee
d) 1978-83	b) SHG
25. The government intends to reduce	c) Finance society
poverty by 10% during the	d) None of the above
Five-Year Plan.	31. Which one of the following state is the
a) 13 <sup>th</sup>	poorest in India
b) 12 <sup>th</sup>	a) Bihar
c) 11 <sup>th</sup>	b) Orissa
d) 10 <sup>th</sup>	c) Chhattisgarh
26. The present Deputy Chairman of the	d) None of the above
Planning Commission is	32. Which one of the following can be
a) Madhu Dandavate	considered as modern form of money?
b) Montek Singh Ahluwalia	a) Currencies
c) Jaswant Singh	b) Draft
d) K.C. Pant	c) Cheques
27. The Gross Domestic Product per capita	d) All of these
in India last recorded in 2015 was	33. The national consumer day is
	celebrated on
a) \$ 1805.58	a) 24 <sup>th</sup> December
b) \$ 2805.58	b) 24 <sup>th</sup> November
c) \$ 1905.58	c) 24 <sup>th</sup> October
d) None of the above	d) 24 <sup>th</sup> September
28. Mahatma Gandhi National Rural	34. Under employment occurs when
Employment Guarantee Act	people –
(MGNREGA) 2008 guarantees	a) Do not want to work
days of paid work to people in the	b) Are not paid for work
rural areas.	c) Are not skilled
a) 125 days	d) Are working less than they are
b) 136 days	capable of
c) 150 days	

- 35. Which of the following is a public sector under taking?
  - a) Banking
  - b) bee-keeping
  - c) teaching
  - d) working in a call centre
- 36. GDP is the total value of
  - a) All goods and services
  - b) All final goods and services
  - c) All intermediate goods and services
  - d) All intermediate and final goods
- 37. Which one of the following sector is the largest employer in India?
  - a) Primary sector
  - b) Secondary sector
  - c) Tertiary sector
  - d) IT sector
- 38. Workers enjoy job security in
  - a) Agriculture sector
  - b) Private sector
  - c) Unorganised sector
  - d) Organised sector
- 39. Which of the following states of India has the lowest IMR (Infant Mortality Rate)
  - a) Punjab
  - b) Kerala
  - c) Bihar
  - d) None of these
- 40. According to World bank criterion countries with the income of Rs 4.53,000 per annum and above in 2004 is considered as
  - a) Low income countries
  - b) Rich countries
  - c) Average countries
  - d) Underdeveloped countries

### Section B: Quantitative Aptitude

- 41. Which of the following is same as the equation x + 5y = 4x 3y?
  - a) 3x = 2y
  - b) 3x = 8y
  - c) 5x = 2y
  - d) 6x = y
- 42. A bag has 5 blue balls and 3 white balls. A ball is drawn from the bag without looking into the bag. The probability of getting a white ball is
  - a) 1/8
  - b) 1/3
  - c) 3/5
  - d) 3/8
- 43. If  $\sqrt{5}=2.236$  and  $\sqrt{10}=3.162$  , then  $\frac{15}{\sqrt{10}+\sqrt{20}+\sqrt{40}-\sqrt{80}}=$ 
  - a) 1
  - b) 4.5
  - c) 5.398
  - d) 3.365
- 44. If h, c, v are respectively the height, the curved surface and the volume of a cone, then the value of  $3\pi vh c^2h^2 + 9v^2$  is
  - a)  $3\bar{\pi}$
  - b) 0
  - c)  $\bar{\pi}$
  - d) 1
- 45. Which of the following numbers is a palindromic number as well as a perfect square?
  - a) 98789
  - b) 56765
  - c) 123454321
  - d) 17161
- 46. For the set of numbers 2, 2, 4, 5 and 12 which of the following statement is true?
  - a) Mean = Median
  - b) Mode = Median

- c) Mean < Mode
- d) Mean > Mode
- 47. The monthly incomes of A and B are in the ratio 8: 7 and their expenditures are in the ratio 19: 16. If each saves Rs. 5000 per month, then monthly income of A and B are respectively
  - a) 24000, 21000
  - b) 25000, 22000
  - c) 16000, 14000
  - d) 15000, 14000
- 48. On selling a tea-set at 5% loss and a lemon-set at 15% gain, a shopkeeper gains Rs. 84. However, if he sells the tea-set at 5% gain and the lemon-set at 10% gain, he gains Rs. 104. The cost price of the tea-set and the lemon-set are respectively
  - a) 476,652
  - b) 400,600
  - c) 576,752
  - d) 500,700
- 49. A chemist has first solution containing 50% acid and a second solution containing 25% acid. The quantity of first solution and second solution use to make 10 litres of a 40% acid solution are
  - a) 12 litres, 8 litres
  - b) 6 litres, 4 litres
  - c) 20 litres, 10 litres
  - d) 16 litres, 10 litres
- 50. 7 years ago Varun's age was five times the square of Swati's age. 3 years hence, Swati's age will be two-fifth of Varun's age. Their present age are
  - a) 30 yrs, 10 yrs
  - b) 18 yrs, 6 yrs
  - c) 57 yrs, 20 yrs
  - d) 27 yrs, 9 yrs

51. The area of a circle inscribed in an equilateral triangle is 154 cm². The perimeter of the triangle is - (Take

$$\sqrt{3} = 1.73$$
)

- a) 52.33cm
- b) 52.66 cm
- c) 72.33 cm
- d) 72.66 cm
- 52. A metallic right circular cone is 20 cm high and has a vertical angle of 60°. This is cut into two parts at the middle of its height by a plane parallel to the base. If the frustum so obtained is drawn into a wire of diameter 1/16 cm, then the length of the wire is
  - a) 7964.44m
  - b) 6923.74m
  - c) 8323.23m
  - d) 583.87m
- 53. If each edge of a cube is increased by 50%, the percentage increase in the surface area is
  - a) )50%
  - b) 125%
  - c) 100%
  - d) 75%
- 54. Two water taps together can fill a tank in  $9\frac{3}{8}$  hours. The larger tap takes 10 hours less than the smaller one to fill the tank separately. The time in which each tap can separately fill the tank
  - a) 15hrs, 5hrs
  - b) 20hrs, 15hrs
  - c) 25hrs, 15hrs
  - d) 18hrs, 15hrs
- 55. The area of an equilateral triangle is  $49\sqrt{3}cm^2$ . Taking each angular point as centre, circles are drawn with radius equal to half the length of the side of the triangle. The area of the

triangle not included in the circle is - Take  $\sqrt{3} = 1.73$ 

- a)  $5.55cm^2$
- b)  $5.26cm^2$
- c)  $6.66cm^2$
- d)  $7.77cm^2$
- 56. 50 workers were engaged to finish a job in a certain number of days. 4 workers dropped out on second day, 4 more workers dropped out on third day and so on. It took 8 more days to finish the work. The number of days in which the work was completed
  - a) 10 days
  - b) 25 days
  - c) 15 days
  - d) None of these
- 57.  $\sqrt{6 + \sqrt{6 + \sqrt{6 + 4}}}$  is equal to
  - a) -2
  - b) 2
  - c) 3
  - d) None of these
- 58. If  $x = 2 \frac{1}{2 \frac{1}{2 \frac{1}{2 \cdots \dots}}}$  then the value of
  - x is –
  - a) 1
  - b) 3/2
  - c) 3.4
  - d) 0
- 59. If the equation  $\frac{x^2 lx}{ax c} = \frac{m 1}{m + 1}$  have roots equal in magnitude but opposite in sign, then the value of m is
  - a)  $\frac{c}{a+b}$
  - b)  $\frac{c}{a-b}$
  - c)  $\frac{a-c}{b-c}$
  - d)  $\frac{a-b}{a+b}$

- 60. If  $4^{x+1} 6^x 2 \times 9^{x+1} = 0$  then the value of **x** is
  - a) 2/3
  - b) -2/3
  - c) -2
  - d) None of these
- 61. A piece of cloth cost Rs. 35. If the piece were 4m longer and each meter costs Rs. 1 less, the cost would have remain unchanged. The length of piece is
  - a) 8m
  - b) 10m
  - c) 5m
  - d) 15m
- 62. A factory kept increasing its output by the some percentage every year. Then the percentage if it is known that the output doubled in the last two years is
  - a)  $100(\sqrt{3}-1)$
  - b)  $100(\sqrt{2}-1)$
  - c) 50
  - d) None of these
- 63. A man invested an amount at 8% per annum and another amount at 6% per annum simple interest. Thus, he received Rs. 248 as annual interest. Had he interchanged the amounts invested, he would have received Rs. 34 less. The two amounts invested at different rates are
  - a) 2500,800
  - b) 2000,500
  - c) 3500,700
  - d) None of these
- 64. If the  $m^{th}$  term of an A.P. be  $\frac{1}{n}$  and its  $n^{th}$  term be  $\frac{1}{m}$ , then the  $(mn)^{th}$  term of A.P. is
  - a) 0

- b) 2m-n
- c) 1
- d) None of these
- 65. The sum of n terms of an A.P. is given by  $S_n = (3^n + 5n)$ . Which of its terms is 164
  - a) 25<sup>th</sup>
  - b) 26<sup>th</sup>
  - c) 27<sup>th</sup>
  - d) 28<sup>th</sup>
- 66. A game consists of tossing a one rupee coin three times and rating its outcome each time. Harit wins it all the tosses give the same result, the probability that Harit will lose the game is
  - a) 1/4
  - b) 1/8
  - c) 3/8
  - d) 3/4
- 67. Two circles touch internally. The sum of their areas is  $116\pi$  cm<sup>2</sup> and the distance between their centres is 6cm. The ratio of the circles are
  - a) 3cm,5cm
  - b) 2cm, 8cm
  - c) 4cm, 10cm
  - d) None of these
- 68. A circus tent is cylindrical to a height of 3m and conical above it. If its base radius is 5205m and the slant height of the conical portion is 53m, then the area of canvas needed to make the tent is
  - a)  $9735m^2$
  - b)  $8367m^2$
  - c)  $9214m^2$
  - d) None of these
- 69. A sailor goes 8 km downstream in 40 minutes and comes back in one hour.

Determine the speed of the sailor in still water and speed of the current.

- a) 10 km/h, 2km/hr
- b) 9 km/hr, 2 km/hr
- c) 8 km/hr, 3 km/hr
- d) 6 km/hr, 4 km/hr
- 70. In what ratio must rice at Rs.7.20 per kg be mixed with rice at Rs.5.70 per kg so that the mixture is worth Rs.6.30 per kg?
  - a) 1:3
  - b) 2:3
  - c) 3:4
  - d) 4:5

### Section C: Logical Reasoning

Read the statement and answer questions
71 to 74 –

- A, B and C are educated; A, C and D are honest; C, D and E are employed; A, B, D and E are polite.
- 71. Who is educated, honest, polite but not employed?
  - a) A
  - b) B
  - c) C
  - d) D
- 72. Who is neither honest nor employed?
  - a) A
  - b) B
  - c) E
  - d) D
- 73. Who is not polite but educated?
  - a) A
  - b) B
  - c) C
  - d) E

Five boys – Albert, Bir, Cora Don and Ershad play a game of cards. Each boy has 9 cards, the rest lying on the table. Albert gives two cards to Don, who gives four cards to Cora. Cora gives two cards to Bir. Ershad gives 3 cards to Albert.

- 74. How many cards does Bir have?
  - a) 10
  - b) 11
  - c) 12
  - d) 13
- 75. How many cards does Albert have?
  - a) 10
  - b) 9
  - c) 8
  - d) 7
- 76. How many cards does Cor have?
  - a) 10
  - b) 11
  - c) 12
  - d) 13
- 77. How many cards does Don have?
  - a) 10
  - b) 9
  - c) 8
  - d) 7
- 78. How many cards does Ershad have?
  - a) 10
  - b) \_9
  - -> /-
  - d) 6
- 79. In the series given below, count the number of 9's, each of which is not immediately preceded by 5 but is immediately followed by either 2 or 3. How many such 9's are there?
  - 1 9 2 6 5 9 3 8 3 9 3 2 5 9 2 9
  - 3 4 8 2 6 9 8
  - a) 1

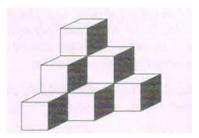
- b) 5
- c) 3
- d) 6
- 80. Arrange the items in a meaningful order.
  - (1) Study
  - (2) Books
  - (3) Examination
  - (4) Student
  - (5) Result
  - a) 4, 2, 3, 1, 5
  - b) 4, 2, 1, 3, 5
  - c) 2, 1, 4, 3, 5
  - d) 2, 3, 1, 4, 5
- 81. There are five houses ABCDO in a row. A is on the right side of B and left side of C. O is on the right side of A, B is on the right side of D. Which house is in the middle?
  - a) O
  - b) A
  - c) B
  - d) D
- 82. In a row of 15 children, when Raju was shifted three places towards right, he became 8th from the right end. What was his earlier position from the left end of the row?
  - a) 14
  - b) 5
  - c) 6
  - d) 12
- 83. How many times will you write the numeral 2 if you write all the numbers from 201 to 300?
  - a) 9
  - b) 20
  - c) 100
  - d) 119

84. How many 3's in the following series are preceded by 6's and followed by 2's?

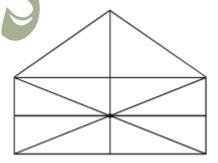
156 327 263 362 362 362 576 328

- a) 2
- b) 3
- c) 4
- d) 5
- 85. If  $14 \times 25 = 5241$ ,  $32 \times 17 = 7123$ ,  $78 \times 19 = 9187$ , then  $46 \times 32 = ?$ 
  - a) 3246
  - b) 2346
  - c) 2364
  - d) 4632
- 86. If FISH is written as EHRG in a certain code, how would JUNGLE be written in that code?
  - a) KVOHMF
  - b) ITMFKD
  - c) TIMFKD
  - d) ITNFKD
- 87. Oil is to Seed as Butter is to \_\_
  - a) Goat
  - b) Cow
  - c) Milk
  - d) Ghee
- 88. Letter is to Telegram as Train is to
  - a) Aeroplane
  - b) Horse
  - c) Messenger
  - d) Telephone
- 89. If sky were sea-beach, stars would be
  - ·
  - a) Waves
  - b) Reflection
  - c) Shells
  - d) Fish

- 90. Paul is taller than Dick. Grace is taller than Paul but younger than Dick. Who is the shortest?
  - a) Paul
  - b) Dick
  - c) Grace
  - d) Can't say
- 91. If the first and the second letters in the word INORDINATE were interchanged, also the third and the forth letter, the fifth and the sixth, and so on, then which letter would be the eighth counting to your left?
  - a) A
  - b) D
  - c) N
  - d) R
- 92. Pointing towards a girl in the picture, Sunita said, "She is the mother of Renu, whose father is my son."How Sunita is related to that girl in the picture?
  - a) Mother
  - b) Aunt
  - c) Cousin
  - d) None of the above
- 93. A and B from a married couple. X and Y are brothers. X is the brother of A. How is Y related to B?
  - a) Brother
  - b) Cousin
  - c) Son-in-law
  - d) Brother-in-law
- 94. Count the number of cubes, in the given figure –



- a) 8
- b) 10
- c) 12
- d) 14
- 95. Find the odd one out:
  - a) OpQ
  - b) UvW
  - c) EfG
  - d) IJK
- 96. In a row of 21 girls, when M was shifted by four places towards the right, she became 12<sup>th</sup> from the left end. What was her earlier position from the right end of the row
  - a) 9<sup>th</sup>
  - b) 10<sup>th</sup>
  - c) 11<sup>th</sup>
  - d) 14<sup>th</sup>
- 97. Which of the following processes can increase the size of a metal pole?
  - a) Cooling
  - b) Heating
  - c) Breaking it into pieces and then joining
  - d) None of these
- 98. How many triangles are there in the following figure –



- a) 10
- b) 16
- c) 19
- d) 21
- 99. Find the missing number in the following figure –





- a) 250
- b) 343
- c) 316
- d) 410
- 100. If '100' interchange '1000', '-' interchange '+', 'x' interchange '+' then the value of -

 $100 - 10 \times 1000 \div 1000 \times 100 \times 10 = ?$ 

- a) 1090
- b) 0
- c) 1110
- d) 20