

RRB - Model Paper

General Studies & Current Affairs

- 1) India opted for 'Mixed Economy' in?
 1. First Five Year Plan
 2. Second Five Year Plan
 3. Framing of the Constitution
 - 4. Industrial Policy of 1948**

- 2) Study of the Universe is known as ?
 1. Sociology
 - 2. Cosmology**
 3. Universology
 4. Petology

- 3) The ""Garibi Hatao"" slogan was coined in?
 1. 1958
 2. 1966
 - 3. 1971**
 4. 1980

- 4) Big Bang theory explains?
 - 1. Origin of Universe.**
 2. Origin of Sun.
 3. Laws of physics.
 4. None of above.

- 5) Which one of the following air pollution can affect blood stream leading to death ?
 1. Cadmium
 2. Asbestos dust
 - 3. Carbon monodioxide**

4. Lead
- 6) Who is regarded as father of modern chemistry ?
 1. Rutherford
 2. Einstein
 3. **Lavoisier**
 4. C.V. Raman
- 7) Name of the instrument to measure atmospheric pressure ?
 1. **Barometer**
 2. Barograph
 3. Bolometer
 4. Callipers
- 8) What is Pollination ?
 1. germination of pollen grains
 2. growth of pollen tube in ovule
 3. **transfer of pollen from anther to stigma**
 4. visiting flowers by insects
- 9) Plants receive their nutrients mainly from ?
 1. atmosphere
 2. chlorophyll
 3. light
 4. **soil**
- 10) What is movement of cell against concentration gradient is called
 1. osmosis
 2. **active transport**
 3. diffusion
 4. passive transport
- 11) The disease caused by deficiency of protein in children is called

1. Pellagra
- 2. Marasmus**
3. Beri-Beri
4. Rickets

12) Which instrument is used to measure altitudes in aircraft's ?

1. Audiometer
2. Ammeter
- 3. Altimeter**
4. Anemometer

13) Which instrument is used to measure depth of ocean ?

1. Galvanometer
2. Fluxmeter
3. Endoscope
- 4. Fathometer**

14) The first president of the Republic of India was _____

1. V.V.Giri
2. Zakir Hussain
3. Dr.Radhakrishnan
- 4. Dr.Rajendra Prasad**

15) Which instrument is used in submarine to see the objects above sea level ?

1. Pykometer
2. Polygraph
- 3. Photometer**
4. Periscope

16) What is movement of cell against concentration gradient is called

1. osmosis
- 2. active transport**

3. diffusion
4. passive transport

17) Which is not a type of elements ?

1. Metals
2. Non Metals
3. Metalloids
- 4. Gases**

18) Sea route in India was discovered by _____

1. Columbus
2. Amundsen
- 3. Vasco-da-gama**
4. None of these

19) Which acid is present in lemon ?

1. marlic acid
- 2. citric acid**
3. lactic acid
4. tartaric acid

20) Which instrument is used to measure the power of electric circuit ?

1. Voltmeter
- 2. Wattmeter**
3. Wavemeter
4. Viscometer

21) In the Battle of Wandiwash, the English defeated _____

1. The Dutch
- 2. The French**
3. The Portuguese
4. None of these

22) Rare gases are

1. mono atomic
- 2. di atomic**
3. tri atomic
4. None of above

23) The term PVC used in the plastic industry stands for

- 1. polyvinyl chloride**
2. polyvinyl carbobate
3. phosphor vanadiu chloride
4. phosphavinyll chloride

24) Among the biotic components of the ecosystem, the producer system is ?

1. Sea
2. Rivers
- 3. Green Plants**
4. Animals

25) Who introduce English as official language?

1. Lord William Bentick
- 2. Sir Charles Wood**
3. Dalhousie
4. Allan Octawain Hume

26) Which one of the following disease is not transmitted by tiger mosquitoes ?

1. Dengue
2. Chikungunya
- 3. Japanese Encephalitis**
4. Yellow fever

27) Plants receive their nutrients mainly from ?

1. atmosphere
2. chlorophyll
3. light
4. **soil**

28) Which among the following internet giants is starting the 'Project Loon' in India?

1. Microsoft
2. Amazon
3. **Google**
4. Facebook

29) Visa Inc., the world's largest payments network is based in _____

1. Russia
2. **USA**
3. Canada
4. Europe

30) In which among the following State, the largest rooftop solar power plant of the Indian Railways network is located?

1. Rajasthan
2. Haryana
3. Punjab
4. **Jammu&Kashmir**

31) Madhesi people who are recently in news are belongs to _____

1. Bangladesh
2. **Nepal**
3. Sri Lanka
4. Bhutan

32) Which among the following auto-maker of the India has appointed Lionel Messi as its global brand ambassador?

1. **Tata Motors**

2. TVS Motors
3. Bajaj Auto
4. Mahindra & Mahindra

33) Omar al-Bashir, who recently visited India is the President of the which among the following country?

1. Kenya
2. South Africa
3. Nigeria
- 4. Sudan**

34) Who among the following is the founder of the global telecom carrier company, Sabse Technologies Inc.?

1. Ravindra Joshi
- 2. Sabeer Bhatia**
3. Ravi Shankar Gururaj
4. Vipul Sharma

35) Who among the following was the author of the book 'Advantage India-From Challenge to Opportunity'?

1. R K Pachauri
2. Nandan Nilekani
- 3. APJ Abdul Kalam**
4. Arvind Panagariya

36) Which among the following company is acquiring the telecom business of Sistema Shyam Teleservices (SSTL)?

1. Airtel
2. Idea Cellular
3. Aircel
- 4. Rcom**

37) Which of the following group of gases contribute to the 'Green House Effect' ?

1. Carbon tetrafluoride and Nitrous oxide
2. Carbon monoxide and Sulphur dioxide
3. Ammonia and Ozone
- 4. Carbon dioxide and Methane**

38) Brijmohan Lall Munjal, who recently passed away related to which among the following companies?

1. Mahindra & Mahindra
2. TVS group
- 3. Hero group**
4. Tata Motors

39) Big Bang was an explosion that occurred?

1. 10 Billion years ago
- 2. 15 Billion years ago**
3. 20 Billion years ago
4. 25 Billion years ago

40) Which two of the following nationalised banks have been merged as per the recommendation of the Narasimhan Committee?

1. New Bank of India and Bank of India
2. Central Bank of India and Corporation Bank
3. Parur Bank of India and Bank of India
- 4. Punjab National Bank and New Bank of India**

41) The principal sources of revenue to the State Government in India is _____

1. Income Tax
- 2. Sales Tax**
3. State Excise Duties
4. Land Revenue

42) In which place did Satyagraha first started?

1. Delhi

2. Calcutta

3. Baroda

4. Champaran

43) Who was the Viceroy of India when the Rowlatt Act was passed?

1. Lord Irwin

2. Lord Reading

3. Lord Wavell

4. **Lord Chelmsford**

44) All India Harijan Sangha established by Mahtama Gandhi, in the year _____

1. 1935

2. 1932

3. **1920**

4. 1927

45) Open market operations of a Central Bank are sale and purchase of _____

1. Foreign currencies

2. **Government securities**

3. Corporate securities

4. Trade bills

46) Indian Navy Act was passed in _____

1. 1921

2. 1925

3. **1927**

4. 1930

47) The first ruler of Pala dynasty was _____

1. **Gopala**

2. Dharmapala

3. Chandra Gupta

4. Ashoka

48) Ashoka conquered Kalinga in the year _____

1. 231 AD

2. 127 AD

3. 261 BC

4. 327 BC

49) The first to establish regular trade with India was _____

1. Dutch

2. Portuguese

3. French

4. English

50) Approximately how many Galaxies are there ?

1. 10 Billion Galaxies

2. 100 Billion Galaxies

3. 1000 Billion Galaxies

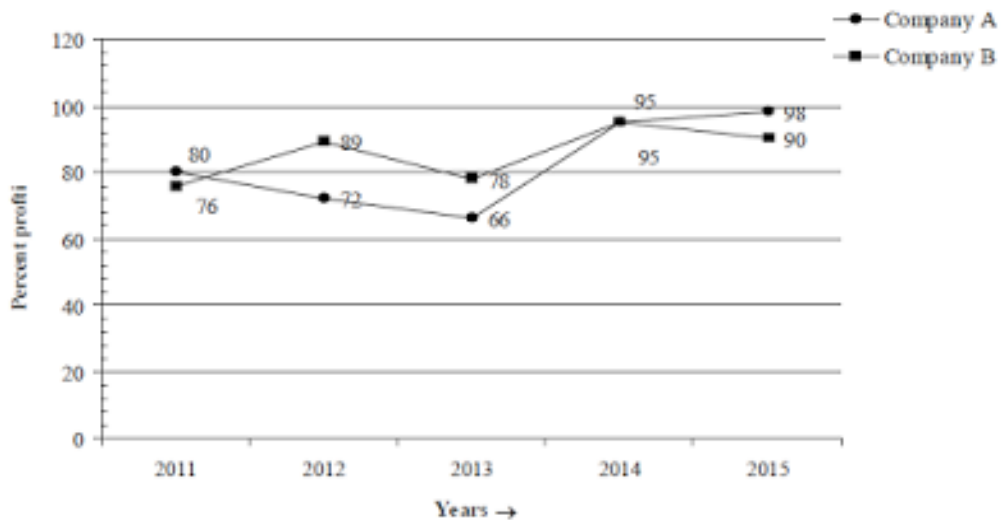
4. 10000 Billion Galaxies

Numerical Ability

Directions(51- 55): Study the following line graph and answer the following questions.

Percentage profit earned by two Companies over the given years.

$$\% \text{ profit} = (\text{Income} - \text{Expenditure}) / \text{Expenditure} \times 100$$



51) Expenditure of company B in year 2013 and 2014 were in the ratio 13 : 7 respectively. What was the respective ratio of their income?

1. 168 : 105
2. 171 : 105
3. **178 : 105**
4. 165 : 106

52) If the expenditure of companies A and B in year 2014 were in the ratio 7 : 11 and total expenditure in the year 2014 of the both company was Rs. 90 lakhs, then what was the income of company B in that year?

1. Rs. 10735000
2. Rs. 11725000
3. Rs. 10835000
4. **Rs. 10725000**

53) If the income of both companies in 2012 was equal. Find the ratio of their expenditure.

1. 181 : 172
2. 189 : 173
3. 188 : 173
4. **189 : 172**

54) If company A's income increases by 25% in 2014 as compared to 2012, but expenditure rises by 29%. What will be percentage profit growth of A from last year?

1. 10%
2. 14%
3. 18%
4. **Data inadequate**

55) If the amount of profit remains the same over the years for company A, in which of the following years the amount of expenditure is the minimum for company A?

1. **2015**
2. 2011
3. 2012

4. 2014

56) The average of a, 11, 23, 17 is 15 and the average of a, b, 12, 25 is 16. The value of a/b is:

1. $\frac{1}{3}$

2. $\frac{1}{2}$

3. $\frac{2}{3}$

4. $\frac{3}{4}$

57) A wire, when bent in the form of a square, encloses a region of area 1089 cm^2 . If the same wire is bent into the form of a circle, then the area of the circle is

1. 1386 cm^2

2. 1396 cm^2

3. 1436 cm^2

4. 1276 cm^2

58) Ram, Krishna and Ganesh started a business by investing capital in the ratio 5 : 4 : 3. Three months later Ram took back $\frac{2}{5}$ of his capital; four months later Krishna took back $\frac{1}{4}$ part of his capital while Ganesh invested $\frac{1}{3}$ part of his initial capital again. After 9 months there was a total profit of Rs. 19,20 in the business, then who got the maximum profit and how much?

1. **Ram, 660**

2. Krishna, 660

3. Ganesh, 660

4. Ram & Ganesh 660

59) The number of coins, each of radius 0.125 cm and thickness 0.25 cm to be melted to make a right circular cylinder of height 9 cm and radius 3 cm, is

1. 20760

2. 20780

3. **20769**

4. 20790

60) A book was sold for Rs 27.50 with a profit of 10%. If it were sold for Rs. 25.75, then would have been percentage of profit and loss ?

1. 2% Profit

2. **3% Profit**

3. 2% Loss

4. 3% Loss

61) Two students appeared at an examination. One of them secured 9 marks more than the other and his marks was 56% of the sum of their marks. What are the marks obtained by them?

1. 42, 36

2. 44, 39

3. **42, 33**

4. 44, 37

- 62) If the length of a rectangle is increased in the ratio 7:6 and its breadth is diminished in the ratio 5:9 & then its area will be diminished in the ratio
1. 34:56
 - 2. 35:54**
 3. 34:52
 4. 36:58
- 63) A boat can travel with a speed of 13 km/hr in still water. If the speed of the stream is 4 km/hr, find the time taken by the boat to go 68 km downstream.
1. 2hrs
 2. 3hrs
 - 3. 4hrs**
 4. 5hrs
- 64) Two numbers are respectively 40% and 60% more than than the third number. The ratio of the two number is
1. 6:7
 - 2. 7:8**
 3. 7:6
 4. 5:7
- 65) Each interior angle of a regular octagon in radians is
1. $2\pi/6$
 - 2. $3\pi/4$**
 3. $3\pi/6$
 4. $4\pi/7$
- 66) A producer of tea blends two varieties of tea from two tea gardens one costing Rs 18 per kg and another Rs 20 per kg in the ratio 5 : 3. If he sells the blended variety at Rs 21 per kg, then his gain percent is
1. 15%
 2. 25%
 3. 17%
 - 4. 12%**
- 67) The Length of Rectangle is Increased by 25% By what % the breadth be reduced so that are remains Constant?
- 1. 20%**
 2. 25%
 3. 50%
 4. 10%
- 68) The average age of a husband and his wife was 25 years at the time of their marriage, who got married 4 years back. Now in the family there is a child including husband and wife and the average age of the family is 20 years. The age of child is
1. 1 year
 - 2. 2 years**
 3. 3 years
 4. 4 years
- 69) A, B and C jointly start a business venture with a agreement that A would invest Rs. 13,000 for 6 months, B, Rs. 16,800 for 5 months and C, Rs. 20,000 for 3 months. A wants to be the working member for which he was to receive 5% of the profits. The profit earned was Rs. 14800 Calculate the share of B in the profit?
1. Rs. 6000
 2. Rs. 7800

3. **Rs. 5320**
4. Rs. 6210
- 70) A and B together can complete a piece of work in 15 days, B and C together can complete the work in 20 days. A and C together can complete the work in 30 days. What is the ratio of number of days A alone takes to do the work to the number of days C alone takes to do the work?
1. 1:6
 - 2. 1:3**
 3. 2:3
 4. 3:2
- 71) Let N be the greatest number that will divide 1305, 4665 and 6905, leaving the same remainder in each case. Then sum of the digits in N is:
- 1. 4**
 2. 5
 3. 6
 4. 8
- 72) The ratio between the speeds of two trains is 7:8. If the second train runs 400km in 4hours then the speed of the first train is?
1. 74.5
 2. 65.5
 - 3. 87.5**
 4. 60.5
- 73) The volume of cuboid is twice that of a cube. If the dimension of the cuboid are 9 cm, 8cm and 6cm, the total surface area of the cube is
1. 272 cm^2
 - 2. 384 cm^2**
 3. 432 cm^2
 4. 308 cm^2
- 74) The H.C.F. of two numbers is 23 and the other two factors of their L.C.M. are 13 and 14. The larger of the two numbers is
1. 276
 2. 299
 3. 345
 - 4. 322**
- 75) Find the total number of prime factors in $411 * 75 * 112$?
1. 23
 - 2. 29**
 3. 25
 4. 16

General intelligence

- 76) Bahu is Rahim's neighbour and his house is 200 metres away in the north west direction. Joseph is Rahim's neighbour and his house is located 200 metres away in the south west direction. Gopal is Joseph's neighbor and he stays 200 metres away in the south east direction. Roy is Gopal's neighbour and his house is located 200 metres away in the north east direction. Then where is the position of Roy's house in relation to Babu's ?

1. South east
2. South west
3. North
4. North east

77) A group of friends are sitting in an arrangement one each at the corner of an octagon. All are facing the centre. Mahima is sitting diagonally opposite Rama, who is on Sushma's right. Ravi is next to Sushma and opposite Girdhar, who is on Chandra's left. Savitri is not on Mahima's right but opposite Shalini. Who is on Shalini's right?

1. Ravi
2. Mahima
3. Girdhar
4. Rama

Directions (78-82) : In each of the following questions, select the related word/letters/ number/ figure from the given alternatives.

78) Fox : Cunning : : Rabbit : ?

1. Courageous
2. Dangerous
3. Timid
4. Ferocious

79) Flexible : Rigid : Confidence : ?

1. Diffidence
2. Indifference
3. Cowardice
4. Scare

80) AZCX : BYDW :: HQJO : ?

1. GRFP
2. IPKM
3. IPKN

4. GRJP

81) QIOK : MMKO :: YAWC : ?

1. USGA
2. **UESG**
3. VUES
4. SUEG

82) 1 : 8 :: 27 : ?

1. 37
2. 47
3. 57
4. **64**

83) Which one of the given responses would be a meaningful order of the following words?

A. Family B. Community C. Member D. Locality E. Country

1. C, A, D, B, E
2. **C, A, B, D, E**
3. C, A, B, E, D
4. C, A, D, E, B

84) Arrange the following words according to the dictionary:

A. TORTOISE
B. TORONTO
C. TORPED
D. TORUS
E. TORSEL

1. B, E, C, A, D
2. B, E, C, D, A
3. **B, C, E, A, D**
4. B, C, E, D, A

85) Which set of letters when sequentially placed at the gaps in the given letter series shall complete it ?

_a_aaaba_ ba ab

1. **abaaaa**
2. abaaba
3. aababa
4. ababaa

(86-88) In each of the following questions, find the missing number /letters/figure from the given responses

86) a, r, c, s, e, t, g, __, __,

1. x, z
2. **u, i**
3. w, y
4. v, b

87) 0, 4, 18, 48, ?, 180

1. 58
2. 68
3. 84
4. **100**

88) 36, 28, 24, 22, ?

1. 18
2. 19
3. **21**
4. 22

89) X and Y are brothers. R is the father of Y. S is the brother of T and maternal uncle of X.
What is T to R?

1. Mother
2. **Wife**
3. Sister
4. Brother

90) A word/set of letters given in capital letters is followed by four answer words. Out of these only one cannot be formed by using the letters of the given word/set of letters. Find out that word INDETERMINATE

1. DETERMINE
- 2. RETINUE**
3. REMINDER
4. RETINA

91) If in a certain language, PLAYER is coded as QNDCJX, then how SINGER will be coded in the same language?

- 1. TKQKJX**
2. TKJKQX
3. TKQKXJ
4. TKQXJK

92) If in a certain code, 95789 is written as EGKPT and 2436 is written as ALUR, then how will 24539 be written in that code?

1. ALEUT
2. ALGTU
- 3. ALGUT**
4. ALGRT

93) If '×' means 'addition', '-' means 'division', '÷' means 'subtraction' and '+' means 'multiplication', then which of the following equations is correct?

- 1. $16 + 5 - 10 \times 4 \div 3 = 9$**
2. $16 - 5 \times 10 \div 4 + 3 = 12$
3. $16 + 5 \div 10 \times 4 - 3 = 9$
4. $16 \times 5 \div 10 \div 4 - 3 = 19$

94) In the year 1996, the Republic Day was celebrated on Friday. On which day was the Independence Day celebrated in the year 2000?

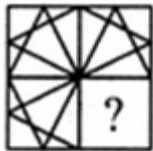
- 1. Tuesday**
2. Monday

- 3. Friday
- 4. Saturday

95) A and B are standing as a distance of 20 km from each other on a straight East-West road. A and B start walking simultaneously eastwards and westwards respectively and both cover a distance of 5 km. Then A turns to his left the walks 10 km. B turns to his right and walks 10 km at the same speed. Then both turn to their left and cover a distance of 5 km at the same speed. What will be distance between them?

- 1. 10 km
- 2. 30 km
- 3. 20 km
- 4. 25 km

96) Identify the figure that completes the pattern.



1.



2.



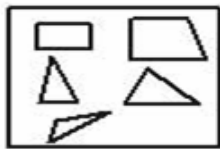
3.



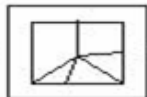
4.

97) Among the four answer figures, which figure can be formed from the cutpieces given below in the question figure ?

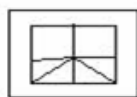
Questions Figure:



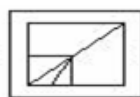
Answer Figures:



1.



2.



3.



4.

98) Choose the correct figure that represents the given relation : Blue eyed, females, doctors



1.



2.



3.



4.

99) Directions: If a mirror is placed on the line MN, then which of the answer figures is the right image, of the given figure?

Question Figure



Answer Figures



1.

2.

3.

4.

100) **Statements:** Some actors are singers. All the singers are dancers.

Conclusions:

1. Some actors are dancers.
2. No singer is actor.

1. Only (1) conclusion follows
2. Only (2) conclusion follows
3. Neither (1) nor (2) follows
4. Both (1) and (2) follow