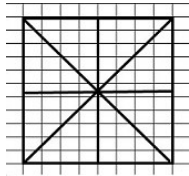


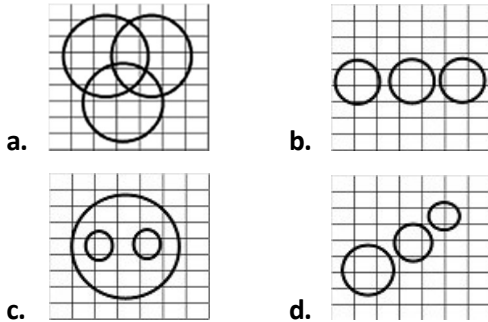
Reasoning

- Select the related word/letters/number from the given alternatives.
FUNGI: MYCOLOGY:: TISSUE: ??
a. Haematology b. Cytology
c. Histology d. Bacteriology
- Select the related word/letters/number from the given alternatives.
BDFH : YWUS :: JLNP : ?
a. QOMK b. ACEF c. ZXUT d. UVWX
- Select the related word/letters/number from the given alternatives.
18 : 30 :: 36 : ?
a. 78 b. 64 c. 66 d. 68
- For the following questions. Find out the odd word/letters/number pair from the given alternatives
a. Arithmetic b. Mathematics
c. Geometry d. Algebra
- For the following questions. Find out the odd word/letters/number pair from the given alternatives
a. ACEG b. BDFG c. JLNP d. SUWY
- For the following questions. Find out the odd word/letters/number pair from the given alternatives
a. 16, 32 b. 20, 40 c. 64, 81 d. 81, 162
- Arrange the following words as per order in the dictionary
1. Weather 2. Weasand
3. Wealth 4. Weapon
5. Weekend
a. 3,2,4,1,5 b. 3,2,1,4,5
c. 3,4,2,1,5 d. 3,4,1,2,5
- Choose the correct alternative from the given ones that will complete the series
BFK, KOT, UYD, ?
a. BFJ b. ADG c. FJO d. PSX
- Find the missing number in the series
2, 3, 8, ?, 112, 565
a. 565 b. 112 c. 27 d. 8
- A woman pointing to a man said, "He is the widower of my uncle's brother's daughter." How is the man related to the woman?
a. Brother-in-law b. Brother
c. Uncle d. Nephew
- P, Q, R and S are four friends. P is shorter than Q but taller than R who is shorter than S. Who is the shortest among all?
a. P b. Q c. R d. S
- From the given alternative words, select the word which cannot be formed using the letter of the given word.
IMPRACTICABLE
a. CAPABLE b. PARTICLE
c. PRACTICAL d. PEACE
- If BROTHER is coded as GWTYMJW, then SCHOOL is coded as
a. WGLSSP b. WGLSSQ
c. XHMTTQ d. XHMTTP
- If '+' means subtraction, '÷' means addition, '<' means multiplication and '>' means division, then find the value of the given statement,
The value of $9 \div 7 < 8 > (4 > 2) + 5$ will be
a. 32 b. 18 c. 16 d. 11
- If $5 \times 3 = 19$ and $8 \times 5 = 49$, then what should 6×4 be?
a. 24 b. 28 c. 18 d. 16
- Select the missing number from the given responses.
a. 45 b. 65 c. 70 d. 80
- A man walks 7 km towards south and turns to the left. After walking 5 km, he turns to the right and walks 7 km. In which direction is he now from the starting point?
a. West b. South
c. South-East d. North-East
- Consider the given statement/s to be true and decide which of the given conclusions/assumptions can definitely be drawn from the given statement.
Statement:
1. When water is cooled, it turns into ice.
2. When water is heated, it turns into steam.
Conclusion:
I. Water is a solid.
II. Water is a gas.
a. Only Conclusion I follows
b. Only Conclusion II follows
c. Both I and II follow
d. Neither I nor II follows
- What is total number of triangles in the given figure?

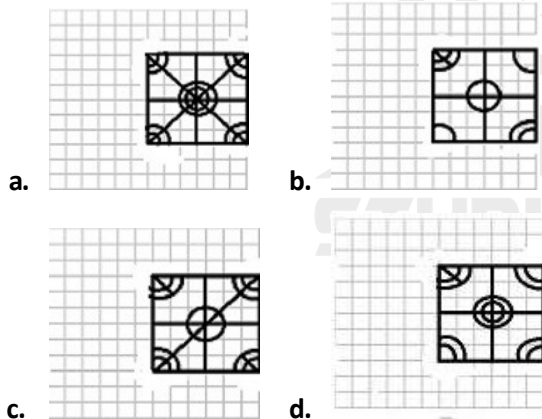
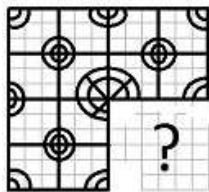


- a. 16 b. 32 c. 40 d. 12

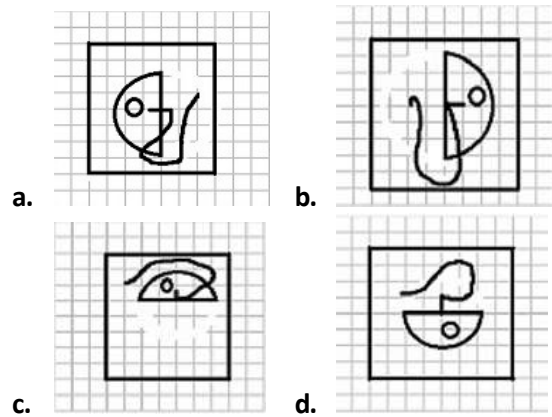
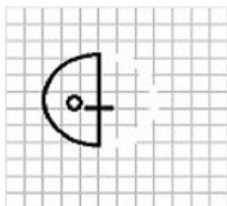
20. Identify the diagram that best represents the relationship among classes given below
Men, Rodents and living beings



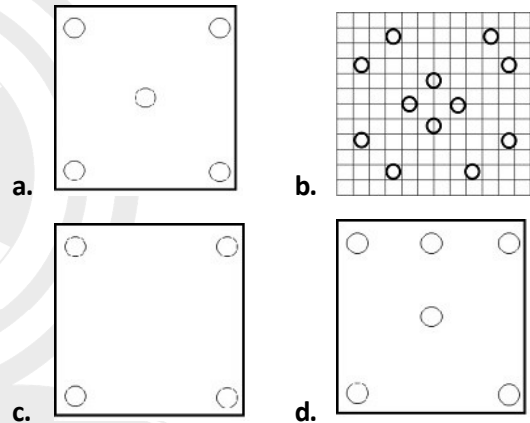
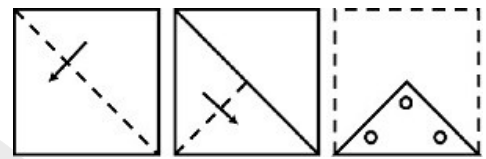
21. Which answer figure will complete the pattern in the question figure?



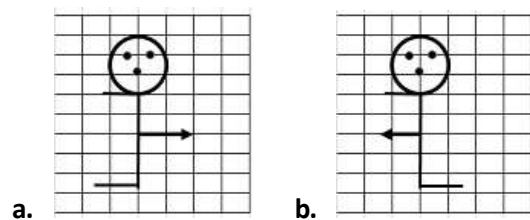
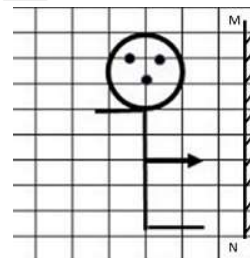
22. From the given answer figures, select the one in which the question figure is hidden/embedded

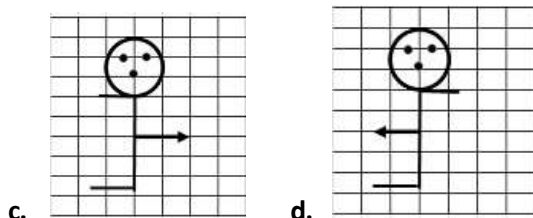


23. A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened



24. If a mirror is placed on the line MN, then which of the answer figure is the right image?





25. In the question, a word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A from these matrices can be represented first by its row and next by its column. e.g. N can be represented by 01, 14 etc. and A can be represented by 55, 69, etc. You have to identify the set for the word 'GOOD'.

Matrix-I						Matrix-II					
	0	1	2	3	4		5	6	7	8	9
0	B	N	G	L	D	5	A	I	K	O	R
1	G	L	D	B	N	6	I	K	O	R	A
2	D	B	N	G	L	7	K	O	R	A	I
3	N	G	L	D	B	8	O	R	A	I	K
4	L	D	B	N	G	9	R	A	I	K	O

- a. 02, 58, 68, 04 b. 44, 99, 76, 20
c. 31, 67, 76, 22 d. 33, 76, 86, 41

General Knowledge

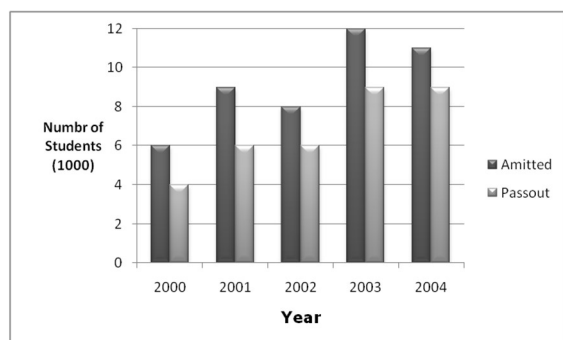
26. Among the following States, _____ has the lowest birth rate in India.
a. Kerala b. Uttar Pradesh
c. Bihar d. West Bengal
27. The Secretariat of SAARC is set up at _____.
a. Washington b. Kathmandu
c. Hague d. New Delhi
28. The outermost range of Himalays is called _____.
a. Kali b. Shiwaliks
c. Dehradun d. Kumaon
29. Who is generally considered to be the father of the Indian Renaissance?
a. Rabindranath Tagore
b. Raja Rammohan Roy
c. Mahatma Phule
d. M.G. Ranade
30. The longest river of peninsular India is _____.
a. Narmada b. Godavari
c. Mahanadi d. Cauvery
31. _____ gives hardness to stainless steel.
a. Zinc b. Lead
32. Which of the following is responsible for transport of food and other substances in plants?
a. Xylem b. Phloem
c. Chloroplast d. None of these
33. The washing machine works on the principle of _____.
a. Dialysis b. Diffusion
c. Reverse osmosis d. Centrifugation
34. Which is not an external storage device?
a. CD-ROM b. DVD-ROM
c. Pen Drive d. RAM
35. Which of the following is the correct description of the term sex-ratio as used in the context of the census of population?
a. Number of males per 1000 females.
b. Number of females per 1000 males.
c. Number of females per 100 males.
d. Number of females in a sample of 1000 persons.
36. The atomic power station in Rajasthan is situated at:
a. Pokhran b. Suratgarh
c. Rawatbhata d. Chittorgarh
37. The Sahitya Akademi Awards are given for best writings in how many Indian languages?
a. 12 b. 15 c. 20 d. 24
38. Right to Privacy comes under _____.
a. Article 19 b. Article 20
c. Article 21 d. Article 18
39. The foreign traveller who visited India during the reign of Shahjahan was _____.
a. Thomas Roe b. William Hawkins
c. Ibn Batuta d. Manucci
40. The GST (Goods and Services Tax), recently passed by Government will be levied on which of the following products?
a. Petroleum Crude b. Tobacco
c. Natural Gas d. Aviation Turbine Fuel
41. Who was elected the Prime Minister of Nepal recently?
a. Keshav Kumar Budhathoki
b. Khadga Prasad Sharma Koli
c. Sushil Koirala
d. Pushpakamal Dahal 'Prachanda'
42. Which lobe of human brain is associated with hearing?
a. Frontal lobe
b. Parietal lobe

- c. Temporal lobe
d. Occipital lobe
43. Which of the following is not soluble in water?
a. Lead sulphate
b. Zinc sulphate
c. Potassium sulphate
d. Sodium sulphate
44. Activated Charcoal is used to remove colouring matter from pure substances by_____
a. Bleaching b. Oxidation
c. Adsorption d. Reduction
45. Chernobyl disaster is the result of pollution by_____
a. Oil spill b. Acid rain
c. Carbon dioxide d. Radioactive waste
46. Which of the following caused radioactive pollution along the coast of Kerala?
a. Plutonium b. Zinc
c. Thorium d. Radium
47. In mammals, an important role of excretion is played by_____
a. Large intestine b. Kidneys
c. Lungs d. Liver
48. The second Green Revolution aims at increasing agricultural output to promote
a. Availability of easy credit to big farmers
b. Co-operative farming
c. Inclusive growth
d. Development of rural sector
49. Which of the following causes rainfall during winters in the north-western part of India?
a. Western disturbances
b. Cyclonic depression
c. Southwest monsoon
d. Retreating monsoon
50. The 'Blue Water Policy' was introduced by the Portugese leader_____
a. Franscisco-de-Almeida
b. Alfonso de Albuquerque
c. Francis Caron
d. Francis Martin
- a. 17cm b. 11cm c. 15cm d. 13cm
53. A cloth merchant has announced 25% rebate in prices. If one needs to have a rebate of `40, then how many metres of cloth costing `32 per metre he should purchase.
a. 6m b. 5m c. 10m d. 7m
54. A profit of Rs. 960 is divided between A and B in the ratio 1/3:1/2. The difference of their profit is :
a. `120 b. `160 c. `180 d. `240
55. The average monthly salary of 19 members of a group is `16000. If one more members whose monthly salary is Rs. 20000 has joined the group, then the average salary of the group is
a. `18250 b. `16200
c. `18000 d. `16250
56. A T.V was sold at a profit of 5% If it had been sold at a profit of 10% the profit would have been Rs. 1000 more. What is its cost price?
a. `20000 b. `5000
c. `10000 d. `15000
57. The price of an article is decreased by 10%. To restore it to its former value, the new price must be increased by:
a. $9\frac{1}{11}\%$ b. 10%
c. 11% d. $11\frac{1}{9}\%$
58. A moving train passes a platform 50m long in 14 seconds and a lamp post in 10 seconds. The speed of the train (in km/h) is:
a. 24 b. 36 c. 40 d. 45
59. If $x^2 + 1/x^2 = 2$, then the value of $x - 1/x$ is
a. -2 b. 0 c. 1 d. -1
60. If $pq(p + q) = 1$, Then the value of $\frac{1}{p^3q^3} - p^3 - q^3$ is equal to
a. 1 b. 2 c. 3 d. 4
61. A chord of length 16 cm is drawn in a circle of radius 10 cm. The distance of the chord from the centre of the circle is
a. 8cm b. 6cm c. 4cm d. 12cm
62. An angle in a semicircle is
a. 45° b. 60° c. 90° d. 120°
63. If $x = a \cos \theta + b \sin \theta$ and $y = b \cos \theta - a \sin \theta$, then $x^2 + y^2$ is equal to
a. ab b. $a^2 + b^2$ c. $a^2 - b^2$ d. 1

Mathematics

51. If the sum of a number and its reciprocal be 2, then the number is
a. 0 b. 1 c. -1 d. 2
52. The area of a rectangle is 60 cm^2 and its perimeter is 34 cm, and then the length of the diagonal is

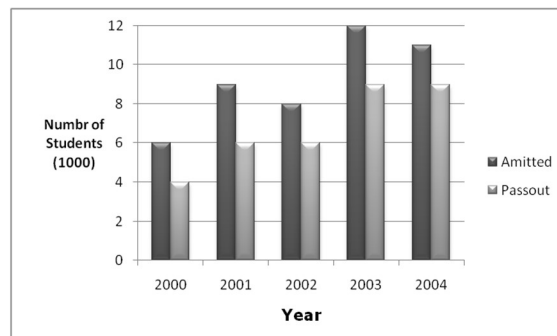
64. A can do a work in 12 days while B can do it in 15 days. They undertake to complete it together for ₹450. What will be the share of A in this amount of money?
a. ₹200 b. ₹240 c. ₹250 d. ₹300
65. If $x = \sqrt{2} + 1$, then the value of $x^4 - 1/x^4$ is
a. $8\sqrt{2}$ b. $18\sqrt{2}$ c. $6\sqrt{2}$ d. $24\sqrt{2}$
66. If $9x^2 + 16y^2 = 60$ and $3x + 4y = 6$, then the value of xy is
a. -1 b. 1 c. -2 d. 2
67. If in $\triangle ABC$, $DE \parallel BC$, $AB = 7.5\text{cm}$, $BD = 6\text{cm}$ and $DE = 2\text{cm}$, then the length of BC in cm is:
a. 6 b. 8 c. 10 d. 10.5
68. Suppose that the medians BD , CE and AF of a triangle ABC meet at G . Then $AG : GF$ is
a. 1:2 b. 2:1 c. 1:3 d. 2:3
69. If $\frac{\cos \theta}{1 - \sin \theta} + \frac{\cos \theta}{1 + \sin \theta} = 4$ then the value of θ ($0 < \theta < 90^\circ$) is
a. 60° b. 45° c. 30° d. 35°
70. A sum of ₹2000 amounts to ₹4000 in two years at compound interest. In how many years does the same amount become ₹8000?
a. 2 b. 4 c. 6 d. 8
71. Two ships are sailing in the sea on the two sides of a light house. The angle of elevation of the top of the light house as observed from the two ships are 30° and 45° respectively. If the light house is 100m high, the distance between the two ships is : (take $\sqrt{3} = 1.73$)
a. 173m b. 200m
c. 273m d. 300m
72. The following figure shows the number of students (in thousands) admitted and passed out per year in a college during years 2000 to 2004. Study the figure and answer the questions



The percent increase in the number of students admitted in the year 2003 over that in 2001 is

- a. 133.3 b. 33.3
c. 40.3 d. 66.7

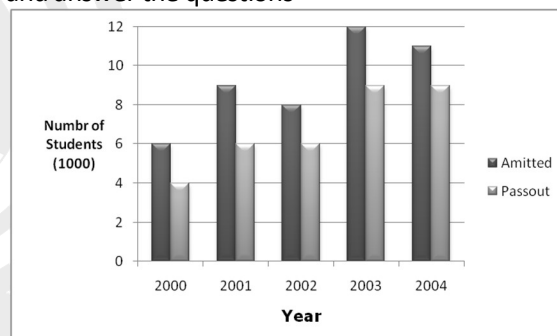
73. The following figure shows the number of students (in thousands) admitted and passed out per year in a college during years 2000 to 2004. Study the figure and answer the questions.



During 2000 to 2003, the ratio of the total number of the students passed out to the total number of students admitted is

- a. $17/23$ b. $17/6$
c. $11/23$ d. $5/7$

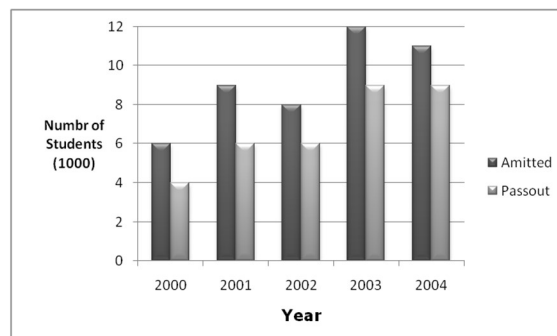
74. The following figure shows the number of students (in thousands) admitted and passed out per year in a college during years 2000 to 2004. Study the figure and answer the questions



In which of the two years, the pass percentage of students was between 60 to 70?

- a. 2000 and 2001 b. 2003 and 2004
c. 2001 and 2002 d. none of these

75. The following figure shows the number of students (in thousands) admitted and passed out per year in a college during years 2000 to 2004. Study the figure and answer the questions.



The ratio of the number of students admitted in the year 2002 to the average of the number of students passed out in the years 2003 and 2004. is

- a. 7:8 b. 8:9 c. 9:8 d. 8:7

English

76. In the following question, out of the four alternatives, choose the word which best expresses the meaning of the given word and click the button corresponding to it.

REVILE

- a. REVIVE b. REVIEW
c. ABUSE d. REVEAL

77. In the following question, out of the four alternatives, choose the word which is opposite in meaning to the given word and click the button corresponding to it.

SQUANDER

- a. SPEND b. REDUCE
c. SLANDER d. SKIMP

78. Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word and click the button corresponding to it.

- a. Sanctaries b. Sanctauries
c. Santuaries d. Sanctuaries

79. In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option.

He had already sent me message (A) / that his arrival (B) / was scheduled for Thursday (C) / No error (D)

- a. A b. B c. C d. D

80. In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option.

Science and technology and (A) / their fallouts do not (B) / complete human culture (C) / No error (D)

- a. A b. B c. C d. D

81. In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option.

The angry bird flap (A) / her wings, flies a short (B) / distance and returns. (C) / No error (D)

- a. A b. B c. C d. D

82. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

The clock has _____ for want of winding.

- a. run down b. run short
c. run past d. run up

83. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

Few people know that flowers use textures to _____ different kinds of insects.

- a. signal b. feel
c. attract d. distract

84. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

They abandoned their comrades _____ the wolves.

- a. by b. between
c. on d. among

85. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

For keeps

- a. Himself b. Away
c. Forever d. Hid

86. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

Pale into insignificance

- a. Seemed less important
b. Was less exciting
c. Was less hectic
d. Was dull and pale

87. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

With one voice

- a. By one man b. By one community
c. Unanimously d. In disharmony

88. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.
Drug which causes people to sleep easily
a. Poppy b. Soporific
c. Beguile d. Pedant
89. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.
The branch of philosophy concerned with the study of the principles of beauty, especially in art
a. Artistic b. Aesthetics
c. Ethics d. Metaphysics
90. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.
The study of skin
a. Dermatology b. Dermatoglyphics
c. Stratigraphy d. Oncology
91. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".
She has that rare character - the ability to listen to people.
a. rare ear b. rare characteristic
c. rare sense d. No improvement
92. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".
Both of them have not apologized yet.
a. Neither of them has
b. Any of them have
c. None of the two
d. No improvement
93. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".
The greater the demand, higher the price.
a. the high b. a higher
c. the higher d. No improvement
94. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".
His appointment as coach is yet another feather in his wing.
a. feather in his hat b. badge in his hat
c. feather in his cap d. No improvement
95. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".
The majority of the rain-fed Indian rivers, either dry up, or become trickle after the monsoon.
a. the trickle b. a trickle
c. an trickle d. No improvement
96. A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives and click the button corresponding to it.
It's nothing short of a revolution in how we eat, and it's getting closer every day. Yes, a lot of people are obese, and yes, the definition of "healthy eating" seems to change all the time. But in labs and research centres around the world, scientists are racing to match our genes and our taste buds, creating the perfect diet for each of us, a diet that will fight disease, increase longevity, boost physical and mental performance, and taste great to boot. As food scientist J.Bruce German says, "The foods we like the most will be the most healthy for us."
Is that going to be a great day, or what?
All this will come to pass, thanks to genomics, the science that maps and describes an individual's genetic code. In the future, personalized DNA chips will allow us to assess our own inherited predispositions for certain diseases, then adjust our diets accordingly. So, if you're at risk for heart disease, you won't just go on a generic low-fat diet. You'll eat foods with just the right amount and type of fat that's best for you. You'll even be able to track your metabolism day-to-day to determine what foods you should eat at any given time, for any given activity. "Since people differ in their genetics and metabolism, one diet won't fit all," says German.
As complex as all this sounds, it could turn out to be relatively simple.

What are scientists doing?

- a. Racing in labs and research centres around the world
- b. Asking us to start dieting
- c. Creating the perfect diet for us
- d. Try and make us taller

97. A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives and click the button corresponding to it.

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What does J. Bruce German say?

- a. The food we like is not healthy for us
- b. The food we like is the healthiest one for us
- c. The most healthy food should be liked by us
- d. Food scientists like healthy food

98. A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives and click the button corresponding to it.

It's nothing short of a revolution in how we eat, and it's getting closer every day. Yes, a lot of people are obese, and yes, the definition of "healthy eating" seems to change all the time. But in labs and research centres around the world, scientists are racing to

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As complex as all this sounds, it could turn out to be relatively simple.

What is genomics?

- a. The science which describes about maps
- b. The science which describes an individual
- c. The science which deals with years
- d. The science that maps and describes an individual's genetic code

99. A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives and click the button corresponding to it.

It's nothing short of a revolution in how we eat, and it's getting closer every day. Yes, a lot of people are obese, and yes, the definition of "healthy eating" seems to change all the time. But in labs and research centres around the world, scientists are racing to match our genes and our taste buds, creating the perfect diet for each of us, a diet that will fight disease, increase longevity, boost physical and mental performance, and taste great to boot. As food scientist J.Bruce German says, "The foods we like the most will be the most healthy for us."

Is that going to be a great day, or what?

All this will come to pass, thanks to genomics, the science that maps and describes an individual's genetic code. In the future, personalized DNA chips will allow us to assess our own inherited predispositions for certain diseases, then adjust our diets accordingly. So, if you're at risk for heart disease, you won't just go on a generic low-fat diet. You'll eat foods with just the right amount and type of fat that's

best for you. You'll even be able to track your metabolism day-to-day to determine what foods you should eat at any given time, for any given activity. "Since people differ in their genetics and metabolism, one diet won't fit all," says German.

As complex as all this sounds, it could turn out to be relatively simple.

Why won't a common diet fit everybody?

- a. Because different people eat different food
- b. Because their genes are different
- c. Since they differ in genetics and metabolism
- d. Because of their different moods

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What will be possible in the future?

- a. Personalised DNA chips for people to assess their own inherited predispositions
- b. You are at great risk for heart disease
- c. You will not be able to determine what food you should eat
- d. You will be unable to adjust your diet

STUDY CAMPUS®

SSC Mock Test-5 ANSWERS KEY**Reasoning**

1.	(c)	2.	(a)	3.	(c)	4.	(b)	5.	(b)	6.	(c)	7.	(c)
8.	(c)	9.	(c)	10.	(a)	11.	(c)	12.	(d)	13.	(c)	14.	(a)
15.	(b)	16.	(b)	17.	(c)	18.	(d)	19.	(a)	20.	(c)	21.	(d)
22.	(a)	23.	(b)	24.	(d)	25.	(b)						

General Knowledge

26.	(a)	27.	(b)	28.	(b)	29.	(b)	30.	(b)	31.	(c)	32.	(b)
33.	(d)	34.	(d)	35.	(b)	36.	(c)	37.	(d)	38.	(c)	39.	(d)
40.	(b)	41.	(d)	42.	(c)	43.	(a)	44.	(c)	45.	(d)	46.	(c)
47.	(b)	48.	(c)	49.	(a)	50.	(a)						

Mathematics

51.	(b)	52.	(d)	53.	(b)	54.	(d)	55.	(b)	56.	(a)	57.	(d)
58.	(d)	59.	(b)	60.	(c)	61.	(b)	62.	(c)	63.	(b)	64.	(c)
65.	(d)	66.	(a)	67.	(c)	68.	(b)	69.	(a)	70.	(b)	71.	(c)
72.	(b)	73.	(d)	74.	(a)	75.	(b)						

English

76.	(c)	77.	(d)	78.	(d)	79.	(a)	80.	(b)	81.	(a)	82.	(a)
83.	(c)	84.	(d)	85.	(c)	86.	(a)	87.	(c)	88.	(b)	89.	(c)
90.	(a)	91.	(d)	92.	(a)	93.	(c)	94.	(c)	95.	(b)	96.	(c)
97.	(b)	98.	(d)	99.	(c)	100.	(a)						