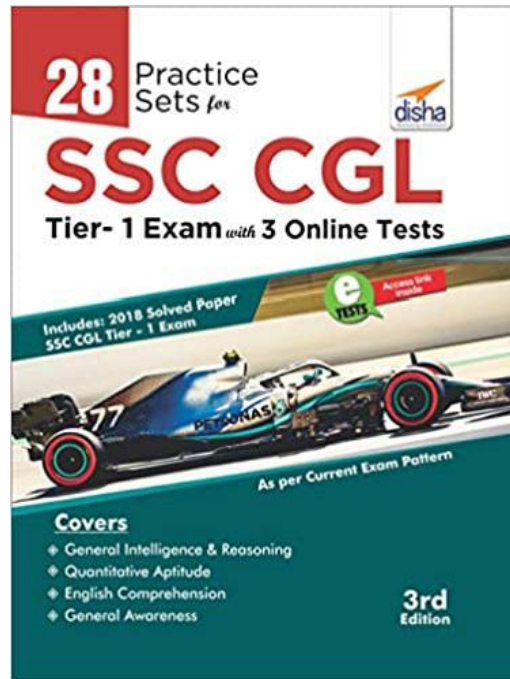


Practice Sets for SSC CGL Tier I & II Exams 2020

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PRACTICE SET

2

GENERAL INTELLIGENCE & REASONING

DIRECTIONS (Qs. 1-3): In questions, select the related word/letters/number from given alternatives.

- Uttarakhand : Dehradun :: Mizoram : ?
(a) Aizawl (b) Kohima
(c) Shillong (d) Darjeeling
- YQXP : JBJA :: OVNU : ?
(a) FAGZ (b) HRIS
(c) DKCJ (d) DNEO
- 1 : 1 :: 10 : ?
(a) 12 (b) 110
(c) 210 (d) 1000
- The following numbers fall in a group. Which one does not belong to the group?
53, 63, 83, 73
(a) 53 (b) 63
(c) 83 (d) 73
- Which one is the same as Mumbai, Kolkata and Cochin?
(a) Delhi (b) Kanpur
(c) Chennai (d) Sholapur
- Find the odd letter/word/number/member pair from the given alternatives.
(a) ZKXJ (b) CMAL
(c) TGRF (d) FRTK

DIRECTIONS (Qs. 7-8): In questions, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

- CEG, JLN, QSU, ___?
(a) QOS (b) TVY
(c) HJL (d) UVW
- 285, 253, 221, 189, ?
(a) 150 (b) 182
(c) 157 (d) 156
- In a certain code language PRESENTATION is written as ENESTATIPRON. How would INTELLIGENCE be written in that code language?

- TETGLLTNENCE
- LLKKTGTTEEBTB
- LLENLLTNTETG
- LLTEIGENINCE

10. A word is given in capital letters. It is followed by four words. Out of these four words, three can *not* be formed from the letters of the word in capital letters. Point out the word which cannot be formed.

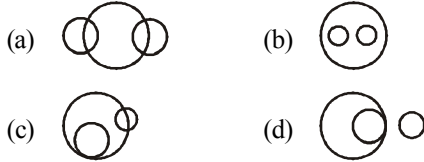
SUPERINTENDENT

- DENTIST (b) PERTINENT
 - TEENER (d) RETENTION
11. Rakesh ranks 15th from the top and 45th from the bottom in a class. How many students are there in the class?
(a) 64 (b) 59
(c) 54 (d) None of these
12. Moni is daughter of Sheela. Sheela is the wife of my wife's brother. How is Moni related to my wife?
(a) Cousin (b) Niece
(c) Sister (d) Sister-in-law
13. Arrange the following words according to the dictionary?

- Inventory
- Involuntary
- Invisible
- Invariable
- Investigate

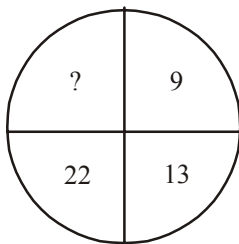
- 4, 2, 5, 3, 1 (b) 4, 5, 1, 3, 2
 - 2, 5, 4, 1, 3 (d) 4, 1, 5, 3, 2
14. Ram moves from a point X to 20 metres towards North. Then he moves 40 metres towards West. Then he moves 20 metres North. Then he moves 40 metres towards East and then 10 metres towards right and he reaches to a point Y. Find the distance and direction of Y from X?
(a) 30 metres, North (b) 30 metres, South
(c) 40 metres, North (d) 40 metres, South

15. Which figure represents the relation among Currency, Rupee and Dollar ?



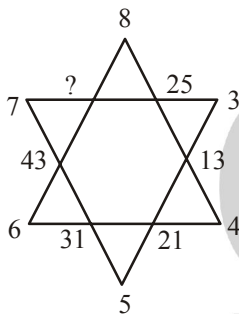
DIRECTIONS (Qs. 16-17) : In question, find the missing number from the given responses.

16.



- (a) 40 (b) 38
(c) 39 (d) 44

17.



- (a) 56 (b) 57
(c) 58 (d) 59

18. Nitin's age was equal to square of some number last year and the following year it would be cube of a number. If again Nitin's age has to be equal to the cube of some number, then for how long he will have to wait?

- (a) 10 years (b) 38 years
(c) 39 years (d) 64 years

19. After interchanging \div and $+$, 12 and 18, which one of the following equations becomes correct?

- (a) $(90 \times 18) + 18 = 60$ (b) $(18 + 6) \div 12 = 2$
(c) $(72 \div 18) \times 18 = 72$ (d) $(12 + 6) \times 18 = 36$

DIRECTION (Qs. 20): In question, one statement is given, followed by four Arguments, I, II, III and IV. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. You are to decide which of the given Arguments can definitely be drawn from the given statement(s). Indicate your answer.

20. **Statement:**

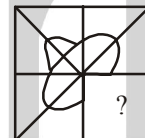
Should little children be loaded with such heavy school bags?

Arguments:

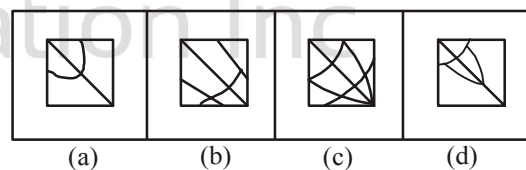
- I. Yes, heavy bag means more knowledge.
II. No, heavy school bags spoil the posture of the children.
III. Yes, children need to be adapted for earning knowledge.
IV. No, a heavy bag never ensures knowledge gathering.
(a) I and III appear to be strong arguments.
(b) I and III are poor arguments
(c) II and IV are strong arguments
(d) I and IV are strong arguments

DIRECTION (Qs. 21) : In question, which answer figure will complete the pattern in the question figure?

21. **Question figure :**



Answer Figures :

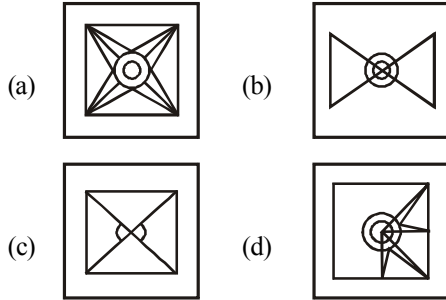


DIRECTIONS (Qs. 22) : In the following question, select the answer figure in which the question figure is hidden/embedded.

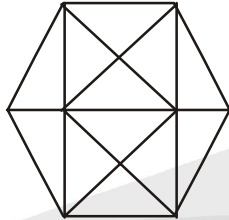
22. **Question Figure:**



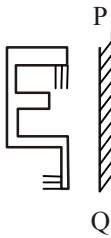
Answer Figures :



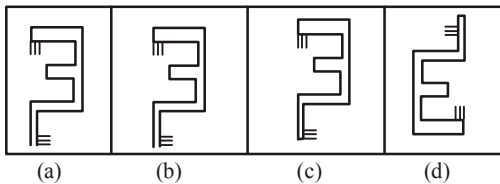
23. How many triangles are there in the following figure ?



- (a) 20 (b) 24
(c) 28 (d) 32
24. Which answer figure is the exact mirror image of the given question figure when the mirror is held from the right at PQ?



Answer Figures:



25. 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 the two matrices given below. The columns and rows of matrix I are numbered from 0 to 4 and that of matrix II numbered from 5 to 9. A letter from these

matrices can be represented first by its row and next by its column e.g., 'C' can be represented by 00, 12, 23, etc. and 'M' can be represented by 56, 67, 77, etc. Similarly, you have to identify the set for the given word - GOD.

Matrix-I

	0	1	2	3	4
0	C	D	E	F	G
1	G	D	C	G	E
2	E	F	G	C	D
3	G	C	F	D	E
4	D	C	F	G	E

Matrix-II

	5	6	7	8	9
5	L	M	N	O	P
6	O	L	M	N	P
7	L	O	M	P	N
8	N	O	P	M	L
9	P	L	M	N	O

- (a) 10, 11, 65 (b) 95, 79, 12
(c) 30, 65, 40 (d) 00, 10, 75

QUANTITATIVE APTITUDE

26. Which is the smallest of the following numbers ?
(a) $\sqrt{7}$ (b) $\frac{1}{\sqrt{7}}$
(c) $\frac{\sqrt{7}}{7}$ (d) $\frac{1}{7}$
27. If $x^{1/3} + y^{1/3} = z^{1/3}$, then $(x + y - z)^3 + 27xyz$ is equal to?
(a) 3 (b) 0
(c) 1 (d) 2
28. A bag contains Rs 216 in the form of one rupee, 50 paise and 25 paise coins in the ratio of 2 : 3 : 4. The number of 50 paise coins is :
(a) 96 (b) 144
(c) 114 (d) 141
29. In a mixture of 45 litres, the ratio of milk and water is 4 : 1. How much water must be added to make the mixture ratio 3 : 2 ?
(a) 72 litres (b) 24 litres
(c) 15 litres (d) 1.5 litres

30. Out of 10 teachers of a school, one teacher retires and in his place, a new teacher of age 25 years joins. As a result, average age of teachers is reduced by 3 years. The age (in years) of the retired teacher is :

(a) 50 (b) 58
(c) 60 (d) 55

31. A cistern has two taps (which fill it in 12 min and 15 min, respectively) and an exhaust tap. When all three taps are opened together, it takes 20 min to fill the empty cistern. How long will the exhaust tap take to empty it ?

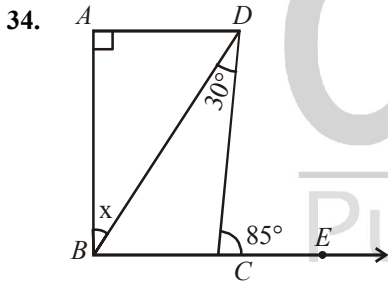
(a) 20 min (b) 16 min
(c) 12 min (d) 10 min

32. 12 men complete a work in 18 days. Six days after they had started working, 4 men joined them. How many days will all of them take to complete the remaining work ?

(a) 10 days (b) 12 days
(c) 15 days (d) 9 days

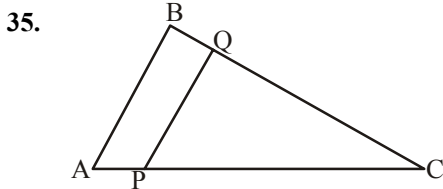
33. A motor boat whose speed is 15 km/h in still water goes 30 km downstream and comes back in four and a half hours. The speed of the stream is :

(a) 46 km/h (b) 6 km/h
(c) 7 km/h (d) 5 km/h



If $AD \parallel BE$, $\angle DCE = 85^\circ$ and $\angle BDC = 30^\circ$, then what is the value of x ?

(a) 30° (b) 35°
(c) 45° (d) 55°



In the given triangle, AB is parallel to PQ . $AP = c$, $PC = b$, $PQ = a$, $AB = x$. What is the value of x ?

(a) $a + \frac{ab}{c}$ (b) $a + \frac{bc}{a}$

(c) $b + \frac{ca}{b}$ (d) $a + \frac{ac}{b}$

36. What is the number of points in the plane of a $\triangle ABC$ which are at equal distance from the vertices of the triangle?

(a) 0 (b) 1
(c) 2 (d) 3

37. A reduction of 20% in the price of sugar enables me to purchase 5 kg more for ₹ 600. Find the price of sugar per kg before reduction of price.

(a) ₹ 24 (b) ₹ 30
(c) ₹ 32 (d) ₹ 36

38. $ABCD$ is a square. The diagonals AC and BD meet at O . Let K, L be the points on AB such that $AO = AK$ and $BO = BL$. If $\theta = \angle LOK$, then what is the value of $\tan\theta$?

(a) $1/\sqrt{3}$ (b) $\sqrt{3}$
(c) 1 (d) $1/2$

39. A sum of ₹ x was put at simple interest at a certain rate for 2 years. Had it been put at 3% higher rate, it would have fetched ₹ 300 more. The value of $4x$ is

(a) ₹ 16,000 (b) ₹ 20,000
(c) ₹ 36,000 (d) ₹ 24,000

40. For what value of k , will the expression $3x^3 - kx^2 + 4x + 16$ be divisible by $\left(x - \frac{k}{2}\right)$

(a) 4 (b) -4
(c) 2 (d) 0

41. a, b, c and d are four consecutive numbers. If the sum of a and d is 103, what is the product of b and c ?

(a) 2652 (b) 2562
(c) 2970 (d) 2550

42. The wheel of a motor car makes 1000 revolutions in moving 440 m. The diameter (in metre) of the wheel is

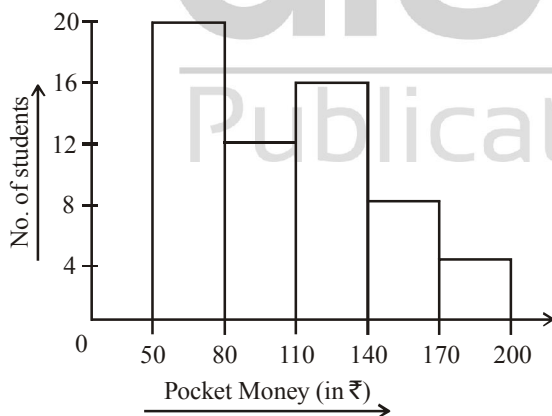
(a) 0.44 (b) 0.14
(c) 0.24 (d) 0.34

43. If mean of y and $\frac{1}{y}$ is M , then what is the mean

of y^3 and $\frac{1}{y^3}$?

- (a) $\frac{M(M^2 - 3)}{3}$ (b) M^3
 (c) $M^3 - 3$ (d) $M(4M^2 - 3)$
44. If $b \tan \theta = a$, the value of $\frac{a \sin \theta - b \cos \theta}{a \sin \theta + b \cos \theta}$
- (a) $\frac{a - b}{a^2 + b^2}$ (b) $\frac{a + b}{a^2 + b^2}$
 (c) $\frac{a^2 + b^2}{a^2 - b^2}$ (d) $\frac{a^2 - b^2}{a^2 + b^2}$
45. The highest possible value of $\sin \theta + \cos \theta$ is –
- (a) 1 (b) $\sqrt{2}$
 (c) 2 (d) $\sqrt{3}/2$
46. If $a \cos \theta - b \sin \theta = c$, then what is the value of $a \sin \theta + b \cos \theta$?
- (a) $\pm\sqrt{a^2 + b^2 + c^2}$ (b) $\pm\sqrt{a^2 - b^2 + c^2}$
 (c) $\pm\sqrt{a^2 + b^2 - c^2}$ (d) None of these

DIRECTIONS (Qs. 47-48): The adjacent histogram shows the average pocket money received by 60 students for a span of one month. Study the diagram and answer the question.



47. Maximum number of students received pocket money between
- (a) 50–80 (b) 140–170
 (c) 80–110 (d) 110–140

48. The number of students who received pocket money upto ₹ 140 is
- (a) 20 (b) 32
 (c) 48 (d) 56
49. Semi-circular lawns are attached to all the edges of a rectangular field measuring 42 m × 35m. The area of the total field is :
- (a) 3818.5 m² (b) 8318 m²
 (c) 5813 m² (d) 1358 m²
50. A steel wire has been bent in the form of a square of area 121 cm². If the same wire is bent in the form of a circle, then the area of the circle will be :
- (a) 130 cm² (b) 136 cm²
 (c) 145 cm² (d) None of these

ENGLISH LANGUAGE

DIRECTIONS (Qs. 51-55) : Read the following passage and answer the questions that follows–.

Passage

Deriving your authority from the government, your position would secure the respect and consideration of everyone, especially in a service where official rank carries so much weight. This would secure to you every attention and comfort on your way and there, together with a complete submission to your orders.

I know these things are a matter of indifference to you except so far as they may further the great objects you have in view, but they are of importance in themselves, and of every importance to those who have a right to take an interest in your personal position and comfort.

51. The above passage most probably is a part of a
- (a) speech (b) official communication
 (c) written report (d) personal letter
52. The writer's attitude towards the person addressed is characterised by
- (a) officiousness (b) flattery
 (c) humility (d) arrogance
53. The person addressed is most likely a
- (a) social worker (b) government servant
 (c) commercial agent (d) foreign dignitary

54. The writer is asking his reader to accept
- great objects
 - a respected position
 - an official rank
 - a significant assignment
55. 'The great objects' in the passage means
- Significant items
 - Noble goals
 - Precious merchandise
 - Objects of praise

DIRECTIONS (Qs. 56-57) : *In the following questions four alternatives are given for the idiom/phrase italicised and underlined in the sentence.*

56. The project did not appear to hold out bright prospects.
- Highlight
 - show
 - Offer
 - promise
57. I am afraid he is burning the candle at both ends and ruining his life.
- wasting his money
 - becoming overgenerous
 - overtaxing his energies
 - losing his objectives

DIRECTIONS (Qs. 58-60) : *In questions given below out of four alternatives. Choose the one which can be substituted for the given word/sentence.*

58. The custom or practice of having more than one husband at same time
- Polygyny
 - Polyphony
 - Polyandry
 - Polychromy
59. Tending to move away from the centre or axis
- Centrifugal
 - Centripetal
 - Axiomatic
 - Awry
60. Teetotaler means
- One who abstains from theft
 - One who abstains from meat
 - One who abstains from taking wine
 - One who abstains from malice

DIRECTIONS (Qs. 61-63) : *In this section, you are required to spot errors in sentences. Each sentence is divided into three parts. Read each sentence to find out whether there is an error in any of the parts. No sentence has more than one error. Some of the sentences do not have any error. When you find an*

error in a sentence, the letter indicated under that part of the sentence is the answer and therefore the same may be marked on the separate Answer Sheet. If there is no error in any part, mark (d) as the answer.

61. These are his conclusion remarks.
- (a)
 - (b)
 - (c)
 - (d) No error
62. The shopkeeper offered either to exchange the goods or refund the money. No error
- (a)
 - (b)
 - (c)
 - (d)
63. I hope to go to shopping this weekend if the weather permits No error
- (a)
 - (b)
 - (c)
 - (d)

DIRECTIONS (Qs. 64-67) : *Look at the underlined part of each sentence. Below each sentence, three possible situations for the underlined part are given. If one of them (a), (b) or (c) is better than the underlined part, indicate your response on the Answer Sheet against the corresponding letter (a), (b) or (c). If none of these substitutions improves the sentence, indicate (d) as your response on the Answer Sheet. Thus a "No Improvement" response will be signified by the letter (d).*

64. I am used to hard work.
- work hard
 - work hardly
 - hard working
 - No improvement
65. Twenty kilometres are not a great distance in these days of fast moving vehicles.
- is not a great distance
 - is no distance
 - aren't a great distance
 - No improvement
66. They were working as usually.
- usual
 - as usual
 - usually
 - No improvement
67. No sooner had she realized her blunder than she began to take corrective measures.
- then she began to take
 - than she began taking
 - when she began to take
 - No improvement

DIRECTIONS (Qs. 68-69): Pick out the nearest correct meaning or synonym of the words given below:

68. RECUPERATE

- (a) recapture (b) delight
(c) recover (d) overcome

69. ALMS

- (a) blessings (b) charity
(c) prayers (d) worship

DIRECTIONS (Qs. 70-71): Pick out the opposite meaning or antonym of the words given below:

70. INDICT

- (a) condemn (b) reprimand
(c) acquit (d) allege

71. VACILLATE

- (a) amplify (b) stimulate
(c) consistent (d) eradicate

DIRECTIONS: (Qs. 72) Choose the correct spelling of the given word.

72. (a) Efflorasence (b) Efflorescence
(c) Efllorescence (d) Efllorescence

DIRECTIONS (Qs. 73-75): In the following questions, sentences are given with blanks to be filled with appropriate word(s). Choose the correct alternative form the given options and indicate it.

73. It is not fair to cast on honest and innocent persons.

- (a) aspiration (b) aspersions
(c) inspiration (d) adulation

74. No country can to practice a constant, rigid foreign policy in view of the world power dynamics.

- (a) oblivate (b) anticipate
(c) afford (d) envisage

75. The skill and ease with which he repaired the machine proved tha he is a/an mechanic.

- (a) able (b) handy
(c) nimble (d) competent

GENERAL AWARENESS

76. Which Article of the Indian Constitution guarantees rights to arrested persons ?

- (a) Article 22 (b) Article 35
(c) Article 20 (d) Article 42

77. For a person having hypermetropia, the near point is

- (a) Greater than 20 cm (b) Lesser than 25cm
(c) Greater than 25cm (d) Lesser than 30cm

78. Cryogenic is a science deals with

- (a) High Temperatures (b) Low Pressure
(c) High Pressure (d) Low Temperature

79. is an active factor of production

- (a) Product (b) Labour
(c) Wages (d) Price

80. When total utility becomes maximum, then marginal utility will be

- (a) Maximum
(b) Minimum
(c) Either maximum or minimum
(d) Zero

81. Revealed Preference Theory was propounded by

- (a) Robbins (b) Smith
(c) Samuelson (d) Schumpeter

82. One Carat of diamond is equal to

- (a) 200m (b) 100m
(c) 150m (d) 300m

83. Wood Spirit is which of the following ?

- (a) Ethyl Alcohol (b) Propanol
(c) Methyl Alcohol (d) Butanol

84. Which of the following is chief source of Napthalene ?

- (a) Moth balls (b) Mothflakes
(c) Tar Camphor (d) Coal tar

85. Study of crop production is

- (a) Entology (b) Ecology
(c) Botany (d) Agronomy

86. Who was the last guru of the Sikhs ?

- (a) Guru Granth Sahib
(b) Guru Gobind Singh
(c) Guru Angad
(d) Guru Amar Das

87. Tattvabodhini Sabha was founded by In 1839

- (a) Swami Vivekanand
(b) Keshav Chandra Sen
(c) Dabendranath Tagore
(d) Swami Sahajanam

88. After the revolt of 1857, British pursued the policy of.....
 (a) Divide and Policies
 (b) Rules and Regulation
 (c) Divide and Rule
 (d) Unity and Poliy
89. What is the Normal Blood Volume in human adult?
 (a) One litre (b) Three litres
 (c) Five litres (d) Seven litres
90. 2018 FIFA World Cup to be held in
 (a) China (b) Russia
 (c) India (d) Brazil
91. is issued by the court in case of illegal detention of a person
 (a) Quo Warranto (b) Habeas Corpus
 (c) Mandamus (d) Certiorari
92. At the time of Emergency, the Indian State become unitary from
 (a) Semi Federal (b) Federal
 (c) Unitary (d) Quasi-federal
93. The book titled 'The Life and Death of Adolf Hitler' is penned by
 (a) Z.A. Bhutto
 (b) James Cross Giblin
 (c) J.M. Barrie
 (d) Gunnar Myrdal
94. Bos Taurus is a scientific name of
 (a) Buffalo (b) Horse
 (c) Cow (d) Cat
95. includes all prokaryotic organism likes bacteria, cynobacterioa and archiobacteria
 (a) Animalia (b) Protista
 (c) Monera (d) Planatae
96. is the Kuchipudi dancer
 (a) Anupama Mohan
 (b) Bimbavati Devi
 (c) Arush Mudgal
 (d) Swapnasundari
97. Which of the following is not a chief organ of the United Nations Organisations?
 (a) International Labour Organisation
 (b) Security Council
 (c) International Court of Justice
 (d) General Assembly
98. The treaty of Mangalore was signed between
 (a) the English East India Company and Haidar Ali
 (b) the English East India Company and Tipu Sultan
 (c) Haidar Ali and the Zamorin of Calicut
 (d) the French East India Company and Tipu Sultan
99. World's largest Charkha (spinning wheels) that was unveiled at Terminal 3 of the Indira Gandhi International Airport (IGI), New Delhi is made of the teak wood of which country?
 (a) Burma (b) Sri Lanka
 (c) Nepal (d) Ukraine
100. Which hill station is called as the 'Queen of the Satpuras'
 (a) Pachmarhi (b) Nilgiri
 (c) Mahenderagiri (d) Cardamom