

Grand Test: CHT1-180110

SSC CHSL - TIER-1

GENERAL INTELLIGENCE

Directions (Q. 1-4): In each of the following questions, select the one which is different from the other three responses.

- (1) BGLQ 1.
- (2) CHMR
- (3) DINS
- (4) EJOU
- 2. (1) 20-26
- (2) 30-46
- (3) 50-66
- (4) 60-76
- (1) September 3.

- (2) April
- (3) November (1) MKO
- (4) January QSO
- (3) VTX

4.

- (4) DBF
- In the following questions given below are two matrices of twenty five cells each containing two classes of letters from the alphabet. The columns and rows of matrix I are numbered from 0 to 4 and that of matrix II from 5 to 9. A letter from these matrices can be represented first by its row number and next by its column number. For example, R can be represented by 02, 31. In each of the questions following, identify one set of number pairs out of (a), (b), (c), (d) which represents the given word.

MATRIX I

MATRIX II

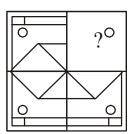
	0	1	2	3	4
0	Е	S	R	U	N
1	R	N	S	Е	U
2	U	Е	N	R	S
3	S	R	U	N	Е
4	N	U	Е	S	R

		5	6	7	8	9
5		W	О	P	T	I
6	,	T	I	О	W	P
7	•	О	W	I	P	T
8		I	P	T	О	W
9)	P	T	W	I	О

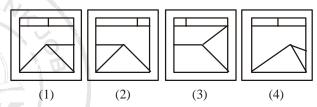
PENT

- (1) 87,21,31,66
- (2) 95,33,40,78
- (3) 57,02,34,87
- (4) 78,42,11,58
- 6. Among the four answer figures, which one can be formed from the cut out pieces given below in the question figure?

Question Figure:

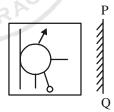


Answer Figures:

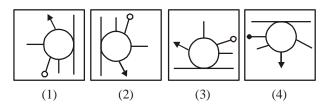


Which of the answer figures is exactly the mirror image of the given figure when the mirror is held at PQ?

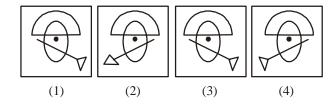
Question Figure:



Answer Figures:

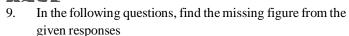


In the following question, select the one which is different from the other three response

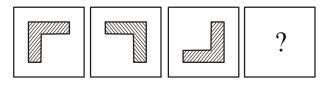


2

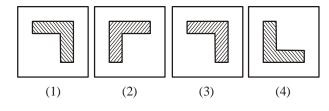




Question Figures:



Answer Figures:



- Which one of the following equations is correct?
 - (1) $6 \times 5 24 \div 3 + 1 = 23$
 - (2) $6 \times 5 24 + 3 \div 1 = 3$
 - (3) $6 \div 3 1 + 24 \times 5 = 135$
 - (4) $6-3 \div 1 + 24 \times 5 = 117$
- 11. A statement(s) is /are given followed by two conclusions I and II. You have to consider the statement(s) to be true, even if it seems to be at variance from commonly known facts; you are to decide which of the given conclusions can definitely be drawn from the given statements. Indicate your answer.

Statements:

- All basketball players are tall men. i)
- All basketball players are athletes.

Conclusions:

- All tall men are basketball players. I.
- All athletes are basketball players. II.
- (1) I alone can be drawn
- (2) Both can be drawn
- (3) Both cannot be drawn
- (4) II alone can be drawn
- 12. I am facing East. I turn 1000 in the clockwise direction and then 1450 in the anti-clockwise direction. Which direction am I facing now?
 - (1) East
- (2) North-East
- (3) North
- (4) South-West

- 13. If
 - (A) Sunitha is taller than Anitha.
 - (B) Reena is taller than Chitra but shorter than Banu.
 - (C) Anitha is shorter than Chitra.
 - (D) Chitra is taller than Sunitha.

Then who is the shortest?

- (1) Sunitha
- (2) Anitha
- (3) Reena
- (4) Banu

Directions (Q. 14-15): A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

- 2, 3, 6, 15, 42, ?
 - (1) 84
- (2) 123
- (3) 94
- (4) 60
- AZ,GT,MN,?,YB
 - (1) JH
- (2) SH
- (3) SK
- (4) TS
- Ranga starts from his house towards south and walks 60m then turns towards east and walks 40m and turn towards north and walks 30m and stops. How far is he away from his house?
 - (1) 30m
- (2) 40m
- (3) 50m
- (4) 35m
- 17. If the 23rd of a month is a Sunday, what day it would have been two weeks and four more days earlier?
 - (1) Monday
- (2) Tuesday
- (3) Wednesday
- (4) Thursday

Directions (Q. 18-20): In each of the following questions, select the related letters/words/number from the given alternatives

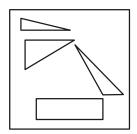
- 18. EXCUSE: CXEESU: : ERODES: ?
 - (1) OREESD
- (2) ORESED (4) ERODSE

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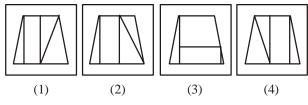
- (3) REOSDE
- (2)
- 19. 2:7::6:? (1) 40 (3) 50
- (4) 72
- 20. SORROW: CRY: MIRTH:?
- - (1) JOY
- (2) LAUGHTER
- (3) FROWN
- (4) WEEP
- 21. The difference between a mother's age and the sum of her two daughters age is 6. The average age of two daughters is 22. What is the age of mother?
 - (1) 40
- (2) 44
- (3) 46
- (4) 50
- 22. A was born 5 years before B,B is 4 year older than C and 3 year younger to D. if A is now 17 years old, how old is D?
 - (1) 19 years
- (2) 15 years
- (3) 12 years
- (4) 8 years
- 23. 14 22 37
 - 04 06 03
 - 05 03 05
 - 61 135
 - (1) 120
- (2) 112
- (3) 116
- (4) 555
- 24. Among the four answer figures, which one can be formed from the cut out pieces given below in the question figure?

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Question Figure:

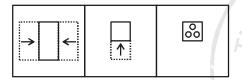


Answer Figures:

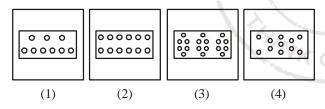


A rectangular piece of paper is folded and punched as shown below in the question figures. From the given answer figures indicate how it will appear when opened

Question Figure:



Answer Figures:



GENERAL AWARENESS

- Which among the following built the famous Khajuraho temple?
 - (1) The Chandela kings
 - (2) The Pala kings
 - (3) Vikramaditya
 - (4) The Jaina monks of Central India
- The Akaal Takht was built by
 - (1) Guru Ramdas
- (2) Guru Teg Bahadur
- (3) Guru Hargobind
- (4) Guru Nanak
- Who said "The Simon Commission Report should be thrown on a heap of rubbish"?
 - (1) Mahatma Gandhi
 - (2) Shivaswami Ayyar
 - (3) Muhammed Ali Jinnah
 - (4) Jawaharlal Nehru

3



- What is the epicenter of an earthquake?
 - (1) The point at which earthquake originates
 - (2) The point which is prone to volcanoes
 - (3) The point from which the intensity of seismic waves declines
 - (4) The point on the Earth's surface vertically above the seismic focus
- The largest island in the world is Greenland. It is an integral part of
 - (1) Norway
- (2) North America
- (3) Denmark
- (4) Canada
- Which river flows between the Satpuras and the Vindhyas?
 - (1) Godavari
- (2) Gandak
- (3) Tapti
- (4) Narmada
- Which of the following words in the Preamble of the Constitution of India, was not inserted through the Constitution (42nd Amendment Act, 1976?)
 - (1) Socialist
- (2) Secular
- (3) Dignity
- (4) Integrity
- 33. In our Constitution, Economic Planning is included in
 - (1) Union List
- (2) State List
- (3) Concurrent List
- (4) Not any Specified List
- 34. Term of office of the President of USA is
 - (1) 6 years
- (2) 5 years
- (3) 4 years
- (4) 7 years
- The main feature of a capitalist economy is
 - (1) administered prices (2) public ownership
 - (3) economic planning (4) private ownership
- 36. If the price of an Giffin good increases its demand
 - (1) rises
- (2) falls
- (3) remains constant
 - (4) can be any of the above
- What are the main components of basic social infrastructure of an economy?
 - (1) Education, Industry and Agriculture
 - (2) Education, Health and Civil Amenities
 - (3) Transport, Health and Banks
 - (4) Industry, Trade and Transport
- The atmospheric air is held to the earth by
 - (1) gravity
- (2) winds
- (3) clouds
- (4) rotation of the Earth
- 39. Which of the following waves cannot be transmitted through vacuum
 - (1) light
- (2) sound
- (3) X-rays
- (4) electromagnetic
- Who developed hydrogen bomb?

 - (1) Wernher Von Braun (2) J Robert Oppenheimer
 - (3) Edward Teller
- (4) Samuel Cohen
- 41. Copper is refined by
 - (1) roasting
- (2) oxidation
- (3) electrolysis
- (4) zone refining
- 42. Fluid part of blood devoid of corpuscles is called (1) tussiue fluid
 - (2) plasma
 - (3) serum
- (4) lymph

4 SSC CHSL: TIER-1

- Two richest known sources of edible protein are
 - (1) meat and eggs
 - (2) some algae and other microorganisms
 - (3) soyabean and groundnut
 - (4) milk and leafy vegetables
- The function of tryspin is to
 - (1) breakdown fats
- (2) synthesise proteins
- (3) breakdown proteins (4) breakdown carbohydrates
- Which one of these is a communicable disease?
 - (1) Diabetes
- (2) Diphtheria
- (3) Arthritis
- (4) Cancer
- Where is the permanent secretariat of the SAARC?
 - (1) New Delhi
- (2) Islamabad
- (3) Colombo
- (4) Kathmandu
- A set of rules for transferring data over a network is called?
 - (1) Protcol
- (2) Rules
- (3) Program Chart
- (4) Flowchart
- Human Rights Day is celebrated annually across the world on?
 - (1) 24th October
- (2) 10th December
- (3) 21st June
- (4) 22nd April
- 49. President Robert Mugabe introduce "surrogate currency" to prevent dollar outflow. Robert Mugabe is the present president of which of the following country?
 - (1) Sudan
- (2) Greece
- (3) Bulgaria
- (4) Zimbabwe
- TR Zeliang is the present Chief Minister of which state? 50. The state celebrated its 54th Statehood Day on 1 Dec.
 - (1) Nagaland
- (2) Manipur
- (3) Mizoram
- (4) Sikkim

QUANTITATIVE APTITUDE

- While climbing a slippery pole which is 15 metre high, a monkey climbs 5 metre and slips down 3 metre respectively in alternate minute. To reach the top of the pole the monkey would take -
 - (1) 15 minutes
- (2) 14 minutes
- (3) 12 minutes
- (4) 11 minutes
- 52. In a class of 31 students, 23 speak English, 15 speak Hindi and 18 speak Punjabi. 3 speak only English and Hindi, 6 speak only Hindi and Punjabi and 6 speak only English and Punjabi. If 9 can speak only English, then how many students speak all the three languages
 - (1) 1
- (2) 2
- (3) 3
- (4) 5
- When the price of sugar was increased by 32%, a family reduced its consumption in such a way that the expenditure on sugar was only 10% more than before. If 30 kg per month were consumed before, find the new monthly consumption.
 - (1) 42 kg
- (2) 35 kg
- (3) 25 kg
- (4) 16 kg

54. If
$$n = 7 + 4\sqrt{3}$$
 then value of $\left(\sqrt{n} + \frac{1}{\sqrt{n}}\right)$ is

- (1) 2
- (3) 4
- $(4) 4\sqrt{3}$
- 55. At the start of a seminar, the ratio of the number of male participants to the number of female participants was 3:1. During the tea break, 16 male participants left and 6 more female participants registered. The ratio of the male to the female participants became 2:1. The total number of participants at the start of the seminar was -
 - (1) 112
- (2) 48
- (3) 54
- (4) 72
- A man borrows Rs 4000 from a bank at 7 1/2% compound interest. At the end of every year, he pays Rs 1500 as part repayment of loan and interest. How much does he still owes to the bank after three such installments?
 - (1) Rs 123.25
- (2) Rs 125
- (3) Rs 400
- (4) Rs 469.18
- Anu can complete a work in 10 days. Manu is 25% more efficient than Anu and Sonu is 60% more efficient than Manu. Working together, how long would they take to finish
 - (1) $2\frac{6}{17}$ days (2) $5\frac{6}{7}$ days
 - (3) $3\frac{5}{8}$ days
- (4) $4\frac{5}{8}$ days
- In a race of 600 m, A can beat B by 60 m and in a race of 500 m, B can beat C by 25 m. By how many metres will a beat C in a 400 m race?
 - (1) 56 m
- (2) 60 m
- (3) 58 m
- (4) 54 m
- 59. The average speed of a train is 20% less on the return journey than on the onward journey. The train halts for half an hour at the destination station before starting on the return journey. If the total time taken for the journey is 23 hr, covering a distance of 1000 km, the speed of the train on the return journey is
 - (1) 60 km/hr
- (2) 40 km/hr
- (3) 50 km/hr
- (4) 55 km/hr
- 60. A train travelling at 48 km/h completely crosses another train having half its length and travelling in opposite direction at 42 km/h in 12 s. It also passes a railway platform in 45 s. the length of he platform is
 - (1) 400 m
- (2) 450 m
- (3) 560 m
- (4) 600 m
- A man arranges to pay off a debt of Rs 3600 by 40 annual installments which are in AP When 30 of the installments are paid he dies leaving one-third of the debt unpaid. The value of the 8th installment is
 - (1) Rs 35
- (2) Rs 50
- (3) Rs 65
- (4) None of these



- A person bought two tables for Rs 2200. He sells one at 5% loss and the other at 6% profit and thus on the whole he neither gains nor loses. Find the cost price of each table.
 - (1) Rs 1500, Rs 700
- (2) Rs 2000, Rs 200
- (3) Rs 1200, Rs 1000
- (4) Rs 1100, Rs 1100
- 63. Pintu gave some cards to Mintu and himself from a full pack of playing cards and laid the rest aside. Pintu then said to Mintu, "If you give me a certain number of your cards, I will have 4 times as many cards as you have. If I gave you the same number of cards, I will have thrice as many cards as you have." How many cards did Pintu have?
 - (1) 31
- (2) 32
- (3) 29
- (4) 30
- 64. $(y-z)^3 + (z-x)^3 + (x-y)^3$ is equal to
- (1) 3(y-z)(z+x)(y-x)
 - (2) (x-y)(y+z)(x-z)
 - (3) 3(y-z)(z-x)(x-y)
 - (4) (y-z)(z-x)(x-y)
- 65. The value of $\left(1 + \frac{1}{x}\right) \left(1 + \frac{1}{x+1}\right) \left(1 + \frac{1}{x+2}\right) \left(1 + \frac{1}{x+3}\right)$
 - (1) $1 + \frac{1}{x+4}$

- 66. If $5^{\sqrt{x}} + 12^{\sqrt{x}} = 13^{\sqrt{x}}$, then x is equal to

- 67. If $a = (\sqrt{3} + \sqrt{2})^{-3}$, ab = 1, then the value of
 - $(a+1)^{-1} + (b+1)^{-1}$ is:
 - (1) $50\sqrt{3}$
- (2) $40\sqrt{2}$
- (3) 1
- (4) 5
- 68. If $a^x = b^y = c^z$ and $b^2 = ac$ then y = ?
- (2) $\frac{xz}{2(x+z)}$
- (3) $\frac{xz}{2(z-x)}$ (4) $\frac{2xz}{(x+z)}$
- 69. If $\sin B = \frac{1}{2}$, then $3\cos B 4\cos^3 B$ is equal to:
 - (1) 1
- (3) 0
- (4) $2\frac{1}{2}$

- 70. Value of $2(\sin^6 \theta + \cos^6 \theta) 3(\sin^4 \theta + \cos^4 \theta) + 1$ is
 - (1) 4
- (2) 0
- (3) 1
- (4) 2
- The equation of straight line which passes through the mid point the two point (4, 2) and (6, 4) and the point (-5, -3) is
 - (1) 5x 3y = 15
- (2) 5y 3x = 30
- (3) 5y 3x = 10
- (4) 3x 5y = 0
- The area of the circle (x + 1)(x + 2) + (y 1)(y + 3) = 0 is

- (4) None of these
- 73. If the difference between in the surface area of a cube when each side is tripled is:
 - (1) 600%
- (2) 700%
- (3) 800%
- (4) 300%
- 74. A tank is 25 meters long, 12 meters wide and 6 meters deep. The cost of plastering its inner walls and the bottom at Rs. 75 per m² is:
 - (1) Rs. 33,300
- (2) Rs. 55,800
- (3) Rs. 16,650
- (4) Rs. 279,00
- Number of toys of five types (A to E) manufactured over the years (in thousands) is given below. Study the table and answer the following question.

ſ	Year	Type					
4		A	В	C	D	E	
	2002	200	150	78	90	65	
	2003	150	80	100	105	70	
4	2004	180	175	92	110	85	
I	2005	195	160	120	125	75	
	2006	220	185	130	135	80	

The difference of the average number of toys (in thousands) of the types of B and C, manufactured over the years was

- (1) 52
- (2) 46
- (3) 68
- (4) 72

ENGLISH LANGUAGE

Directions (Q. 76-78): In these questions, four alternatives are given for the idiom/phrase given in bold in the sentence. Choose the alternative which best expresses the meaning of the idiom/phrase given in bold.

- You may rush from **pillar to post**, but you stand no chance of getting what you want without a bribe.
 - (1) be very busy
 - (2) rush in all directions and suffer much harassment.
 - (3) cover a long distance
 - (4) cross too many hurdles

77. Hit the nail on the head

- (1) show your anger
- (2) do something exactly right
- (3) aiming something to perfection
- (4) hitting yourself accidently

78. Which best express the meaning of "bending over backwards" as used in the sentence?

- (1) trying very hard
- (2) making small efforts
- (3) taking steps back
- (4) talking behind someone

6

Directions (Q. 79-80): In these questions, out of the four alternatives, choose the one which best expresses the meaning of the word given in bold.

79. Ameliorate

- (1) palliate
- (2) aggravate
- (3) pester
- (4) pique

80. Camouflage

- (1) vigilant
- (2) supraliminal
- (3) aesthetic
- (4) whitewash

Directions (Q. 81-82): In these questions, out of the four alternatives choose the word opposite in meaning to the word given in bold.

81. Lugubrious

- (1) Eeyorish
- (2) Sombre
- (3) Woebegone
- (4) Enthuse
- 82. Contempt
 - (1) Calumny
- (2) Odium
- (3) Exuberance
- (4) sprightliness

Directions (Q. 83-85): In the following questions, out of the four alternatives choose the one which can be substituted for the given words/sentence

- 83. The knowledge and understanding that a person has about an event only after it has happened
 - (1) Hindsight
- (2) Foresee
- (3) Foretell
- (4) Omen
- 84. Stealthily done
 - (1) Devious
- (2) Nefarious
- (3) Surreptitious
- (4) Villainous
- 85. A raised place on which offerings to a God are made.
 - (1) Mound
- (2) Rostrum
- (3) Church
- (4) Altar
- 86. Four words are given out of which only one is incorrectly spelt. Find that incorrectly spelt word
 - (1) Abhorence
- (2) Acrimony
- (3) Repugnance
- (4) Disrelish

Directions (Q. 87-89): In these questions, sentences are given with blanks to be filled in with an appropriate word(s). Four alternatives are suggested for each question. Choose the

correct alternative out of the four alternatives.

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87. Nalanda was a cosmopolitan centre of learning that between the fifth and twelfth centuries. (1) thrived (2) grew (3) succeeded (4) radiated With arrangements _ made by the Ministry of External Afairs, Sonu's entire family had come to the IGI Airport here to receive him. (1) been (2) having been (4) to be (3) have been 89. The of the commission, which has been increased two times since it was set up in May last(DLF) (1) control (2) tender (4) income (3) tenure

Directions (Q. 90-92): In these questions, read each sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (D). (Ignore errors of Punctuation, if any.)

- 90. Andhra Pradesh Lawyers' Joint Action Committee convenar Naraharisetti Srihari said judicial officers had to work wherever they were posted..
 - (1) Andhra Pradesh Lawyers' Joint Action
 - (2) convenar Naraharisetti Srihari said judicial
 - (3) officers had to work wherever they were posted
 - 4) No error
- The concert pianist has produced a dynamic song with powerful lyrics rendered with a voice straddling many octaves.
 - (1) The concert pianist has produced a
 - (2) song with powerful lyrics rendered with
 - (3) a voice straddling many octaves
 - (4) No error
- 92. As it finds newer global audiences through network tie-ups and streaming services, the extending viewer base has given television programming the wherewithal to rival films in scale and reach.
 - (1) As it finds newer global audiences through network tie-ups and streaming services
 - (2) the extending viewer base has given television programming
 - (3) the wherewithal to rival films in scale and reach.
 - (4) No error



Directions (Q. 93-95): In these questions, a sentence or a part of sentence is underlined. Below are given alternatives to the underlined part which may improve the sentence. Choose the correct alternative. In case no improvement is needed, your answer is (D)

- 93. Records of the first 736 British convicts deported to Australia reveal convictions for crimes against property in all cases and they ranged from highway robbery to forgery.
 - convictions of crimes against property in all cases and they ranged
 - (2) convictions in all cases were crimes against property and ranging
 - (3) that all were convicted of crimes against property ranging
 - (4) No improvement
- 94. The Increase in the complexity for regulatory environment was the industry's concern
 - (1) The increase made in the complexity for
 - (2) The increase into the complexity for
 - (3) The increase in the complexity of
 - (4) No improvement
- 95. Two hundred people have been employed by the company.
 - (1) Two hundred people are employed by the company.
 - (2) The company employed two hundred people.
 - (3) The company has employed two hundred people.
 - (4) No improvement

Directions (Q. 96-100): In the following questions, you have four brief passages with 5 questions following each passage. Read the passages carefully and choose the best answer to each question out of the four alternatives.

If your teen is hooked to the phone or perpetually lost in the virtual world or mostly playing video games, you should keep a close watch. This technology binging is likely to interfere with the adolescent's academics, participation in sports, socialising and even time spent with family and friends, a survey by the National Institute of Mental Health and Neuro Sciences (NIMHANS) has found. Dysfunction Nearly 73.5 per cent of 200 adolescents interviewed for the survey reported dysfunction of one kind or the other. They had attention problems, which led to a decline in academic function. The result of the survey, conducted in 2014, has been accepted for publication in the ASEAN Journal of Psychiatry.

The survey studied technology use patterns among teenagers and their relationship with psychological variables. If 19.5 per cent of the students were addicted to gaming, 15.5 per cent were found addicted to mobile phones and 18 per cent to the internet. The survey was carried out in two schools and a pre-university college in Bengaluru. Manoj Kumar Sharma, Additional Professor, Department of Clinical Psychology, NIMHANS who conceptualised the study, said addiction to technology hindered day-to-day activities. "However, dysfunction in activities was seen not only among those who were addicted to technology but also teens using technology regularly." Both parents and school managements should play a proactive

role in reducing the time spent on technology. Barrier to socialising The study showed a majority of those using technology had difficulty in meeting friends: 74 per cent reported this tendency.

However, only 61 per cent found it difficult to spend time with their relatives and family, according to the survey. Adolescents in the 16-17 age group reported more difficulties than the ones in the 13 to 15 age bracket. "Some of the symptoms of addiction include decline in academics, sleep disturbances, waking up in the middle of the night and withdrawal from family and friends," Dr. Sharma said. All students reported using at least one social networking website and spent an average of 72 minutes per day on such sites. Nearly 46.5 per cent were on Facebook. The majority used their Facebook account to share jokes and messages (42 per cent), while only 17 per cent used it to share ideas and new technology. About 32 per cent of respondents said they came across sexual content on social media and 20 per cent felt distressed about this. Boys are gamers More boys (80 per cent) played digital games compared to girls (29 per cent). However, there was no significant difference between the sexes in psychiatric distress, mobile phone and television usage or social behaviour. Finally, only a small percentage of those addicted were ready for a lifestyle change.

- 96. "Majority of teens hooked to gadgets", According to the given passage who should play a proactive role in reducing the time spent on technology?
 - (1) government should take some crucial actions towards the education system.
 - (2) there should be ban on electronic gadgets.
 - (3) both parents and school management should play a proactive role.
 - (4) nothing can be done, it's a generation gap.
- 97. What can be the suitable title of the above passage?
 - (1) Generation gap
 - (2) Modern generation
 - (3) Teen drifting away into virtual worlds
 - (4) Attraction towards technology
- 98. Which of the following statements are NOT TRUE according to the given passage?
 - (1) Dysfunction Nearly 73.5 per cent of 200 adolescents interviewed for the survey reported dysfunction of one kind or the other.
 - (2) 15.5 per cent were found addicted to mobile phones and 18 per cent to the internet.
 - (3) All students reported using at least one social networking website and spent an average of 72 minutes per day on such sites
 - (4) Non of the above options
- 99. Choose the word which is most similar in meaning to Dysfunction as used in the passage.
 - (1) malfunctional
- (2) inhabited
- (3) debilitated
- (4) flawed
- 100. Choose the word which is most opposite in meaning to psychiatric as used in the passage.
 - (1) sane
- (2) disability
- (3) mentis
- (4) nutsy