

INSTRUCTION FOR STUDENTS

Please read the following instruction carefully, and then answer the question on OMR answer sheet.

1. This paper contains in THREE PARTs.

1	MENTAL ABILITY TEST (MAT)	1 To 50	45 Minutes	50
2	LANGUAGE TEST	51 To 100	45 Minutes	50
3	SCHOLASTIC APTITUDE TEST	101 To 200	90 Minutes	100

2. Part-2 : Q 51 to 100 (Language Test)

(Note : Students of Gujarati medium will only have to answer Gujarati questions in section-2 and English medium students will only have to answer the questions in English.)

3. Part-3 Q 101 to 200 SAT (Math's, Science and Social Science). Each question carries one mark.

4. There will be 180 minutes without break for all sections.

5. All questions are compulsory.

6. The blank pages are given in this question booklet for rough work.

7. The OMR contains all the three parts, mark the answer at the appropriate and correct place as mentioned in the OMR.

8. You must have to submit the OMR Sheet to the invigilator on completion the examination.

9. Gujarati version of the question paper will be considered as final in case of any controversy arising out of variation in translated version.

$$\begin{array}{r} 3 \\ 66 \\ 18 \\ \hline 108 \end{array}$$

$$\begin{array}{r} 1 \\ 66 \\ 10 \\ \hline 22 \end{array}$$

SPACE FOR ROUGH WORK

$$\begin{array}{l} 2 \times 2 \times 3 \times 3 \\ \hline 4 \times 5 = 20 \\ 3 \times 3 \times 4 \times 5 \\ \hline 9 \times 12 \\ \hline 23 \quad 26 \times 1 \\ \hline 8 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 1 \\ 13 \\ 29 \\ 72 \\ \hline 126 \\ \hline 2+8 \\ 21 \end{array}$$

$$\frac{x+y}{xy} = 2 \quad \frac{x-y}{xy} = 6$$

$$\frac{1}{y} + \frac{1}{x} = 2 \quad \frac{1}{y} - \frac{1}{x} = 6$$

$$a + b = 2 \quad a - b = 6$$

$$\begin{array}{l} a + b = 2 \\ a - b = 6 \end{array}$$

$$\begin{array}{l} 2a = 8 \\ a = 4 \end{array} \quad \frac{1}{a} = \frac{1}{4}$$

PART-1

MENTAL ABILITY TEST (MAT)

Instruction: In each of the following question no.1 to 10, a number series is given with missing of one term. Choose the correct alternative that will continue the same pattern and replace the question mark (?) in the given series.





















1	12, 24, 37, 51, 66, ? (A) 72 (B) 82 (C) 84 (D) 74
2	4, 9, 20, 43, ? (A) 90 (B) 54 (C) 66 (D) 80
3	6, 215, 7, 342, 8, ? (A) 512 (B) 216 (C) 343 (D) 511
4	28, 33, 40, 51, 64, ? (A) 128 (B) 32 (C) 81 (D) 66
5	200, 64, 100, 32, 50, 16, ? (A) 25 (B) 35 (C) 8 (D) 45
6	122, 170, 226, 290, ? (A) 289 (B) 362 (C) 290 (D) 325
7	730, 511, 344, 215, ? (A) 125 (B) 25 (C) 36 (D) 126
8	2.5, 5, 7.5, ?, 12.5 (A) 10 (B) 22.5 (C) 100 (D) 150
9	1, 2, 6, 21, ? (A) 89 (B) 84 (C) 440 (D) 445
10	10, 17, 26, ?, 50, 65 (A) 37 (B) 47 (C) 33 (D) 31

43
20
23

15

4 x 7.5
14
100 x 2
1
A.S
2.S
10 0

Instruction: Four figures are given in question no.11 to 15. One of the figure differs from the rest. Find the figure which is differ from others.

11	 (A)	 (B)	 (C)	 (D)
12	 (A)	 (B)	 (C)	 (D)
13	 (A)	 (B)	 (C)	 (D)
14	 (A)	 (B)	 (C)	 (D)
15	 (A)	 (B)	 (C)	 (D)

Instruction: In question no.16 to 20, figures are given with question mark (?). Complete the figure replacing question mark (?) with suitable number logically.

16		(A) 27 (B) 37 (C) 25 (D) 9
17		(A) W (B) X (C) Y (D) Z
18		(A) 50 (B) 55 (C) 52 (D) 65
19		(A) 43 (B) 49 (C) 39 (D) 45
20		(A) 42 (B) 45 (C) 52 (D) 32

Instruction: In question no.21 to 25, English alphabets are given digital number/code. Using them, find the correct digital number/code for given English word by choosing the correct option given below.

21	If GOOD = 715154 then NEWS = ? (A) 1452391 (B) 1425391 (C) 1425913 (D) 1452319
22	If GOAT = 43 then COW = ____. (A) 40 (B) 41 (C) 51 (D) 50
23	If CAMEL = XZNVO then BIJAL = ? (A) YPQYO (B) YRPQO (C) YRQZO (D) YRZPO
24	If WINDOW = 987659 and TREE = 3422 then WINTER = ? (A) 987342 (B) 987432 (C) 987423 (D) 987324
25	If MANJU = 13-1-14-10-21 then RITJU = ? (A) 17-9-19-10-21 (B) 18-9-19-10-21 (C) 18-9-20-10-21 (D) 17-9-20-10-21

Handwritten notes and a code table:

1
25 44
9 11
34 5 35 10
16 23
2 HIS H I 20 YR Q 20 1
23 3 18 15
23 42
41 57

A B C D E F G H I J K L M N O P Q
R S T U V W X Y Z

A-1	F-6	K-11	P-16	V-22
B-2	G-7	L-12	Q-17	W-23
C-3	H-8	M-13	R-18	X-24
D-4	I-9	N-14	S-19	Y-25
E-5	J-10	O-15	T-20	Z-26
			U-21	

987324

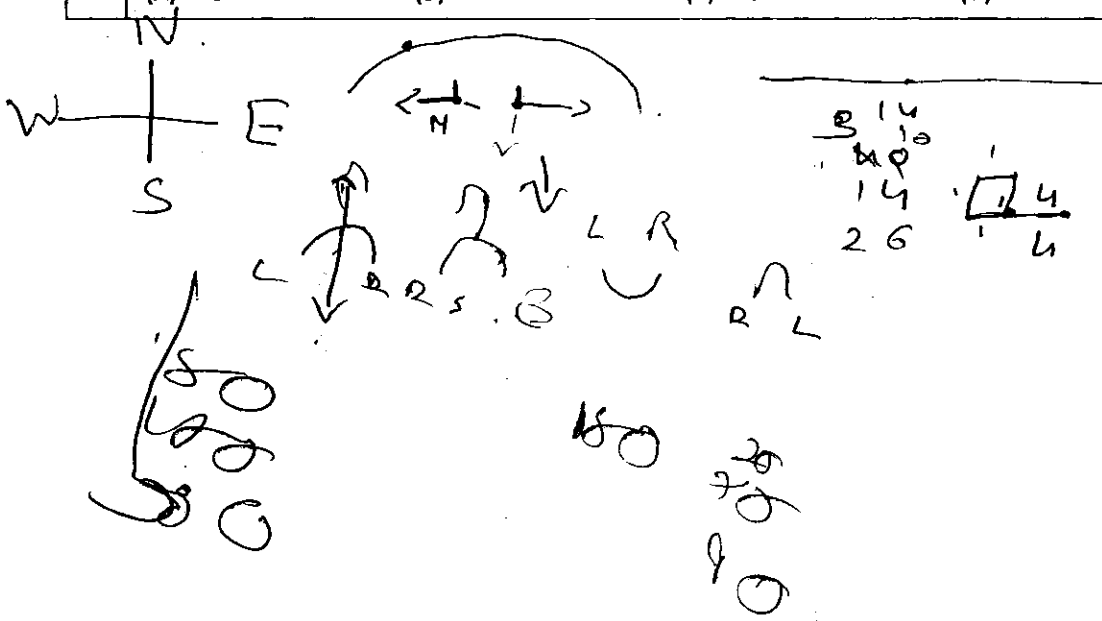
Instruction: According to the question, choose the correct option in question no.26 to 50.

26	Find the correct co-related word.	centimetre : metre :: ? : ?		
	(A) Wall : House	(C) Kilogram : Foot		
	(B) Kilometre : Foot	(D) Millilitre : Litre		
27	Find the correct co-related number.	5 : 36 :: ?		
	(A) 48	(B) 50	(C) 49	(D) 56
28	Find the correct co-related character :	E : V :: I : ?		
	(A) Q	(B) R	(C) S	(D) T
29	If + means \times , - means \div , \times means +, and \div means - are considered then find the value of $10 \times 18 - 9 + 3 \div 1$			
	(A) 15	(B) 20	(C) 168	(D) 180
30	If + means \times , - means +, \times means -, and \div means - are considered then find the value of $(8 - 6) + (7 \times 4) \div 4$			
	(A) 46	(B) 42	(C) -38	(D) 38
31	Which of the four option given below shows the correct sequence of the given words ? (1) service (Job) (2) Examination (3) Learning (4) Admission (5) Result			
	(A) 1,4,2,3,5	(B) 4,3,2,5,1	(C) 5,4,3,2,1	(D) 2,3,5,1,4
32	Show the correct sequence of the given four option in ascending order. (1) Prime minister (2) Chief Minister (3) Mayor (4) President (5) Sarpanch			
	(A) 5,3,2,4,1	(B) 5,2,3,4,1	(C) 5,3,2,1,4	(D) 5,3,2,1,4
33	What will come in place of question mark (?). If $3 * 6 = 18$, $4 * 7 = 22$ and $9 * 1 = 20$ then $5 * 2 = ?$			
	(A) 14	(B) 7	(C) 10	(D) 3
34	If $4 \times 5 = 1625$, $3 \times 8 = 964$, $2 \times 6 = 436$ then $1 \times 9 = ?$			
	(A) 36	(B) 150	(C) 181	(D) 218
35	What was the day before yesterday if Thursday was the day after tomorrow?			
	(A) Saturday	(B) Sunday	(C) Monday	(D) Firday
36	On 14 th January 2014 is saturday, then which day on 15 th August 2014 ?			
	(A) Tuesday	(B) Thursday	(C) Friday	(D) Saturday
37	A statement and four predictions are given in the following question. Find a fair prediction. Some leaders like Nagesh are corrupt.			
	(A) Nagesh is not corrupt.	(C) Some times Nagesh is not corrupt.		
	(B) Leaders are corrupt.	(D) Some leaders are corrupt.		
38	Among M, T, R and P, M is older then only P, T is older than R. Then who is older to all ?			
	(A) T	(B) R	(C) T or R	(D) Incomplete Information.
39	Amrita is older than Namrata. Namrata is younger than Anjali. Who is oldest of all ?			
	(A) Anjali	(B) Amrita	(C) Gitanjali	(D) Namrata
40	'A' and 'B' are brother and sister. Their father is 'C'. 'D' is sister of 'A'. 'E' is mother of 'C' & 'D'. Then what will be 'B' of 'E' ?			
	(A) Grand daughter	(B) Great grand child (daughter)	(C) Aunt	(D) Wife

Handwritten notes and diagrams on the left margin:

- Vertical list of numbers: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40.
- Arithmetic: $25 \times 10 = 250$, 150 , 400 .
- Diagram for Q38: A tree diagram showing relationships between M, T, R, and P.
- Diagram for Q39: A tree diagram showing relationships between Amrita, Namrata, and Anjali.
- Diagram for Q40: A tree diagram showing relationships between A, B, C, D, and E.

41	<p>... said 'I had neither brother nor sister but this person's father is the only son of my grand father'. Then whose photo was that person was watching ?</p> <p>(A) His son (B) His father (C) Himself (D) His Uncle</p>
42	<p>Suresh and Mahesh were in opposite direction of each other in the evening on the Gujarat University ground. The shadow of Mahesh appears on his right side. Then in which direction Suresh's mouth will be ?</p> <p>(A) East (B) South (C) West (D) North</p>
43	<p>Manish's number is 14th from right side in queue of 40 students. Then from the left side at which number will his place be ?</p> <p>(A) 27th (B) 28th (C) 29th (D) 30th</p>
44	<p>"Turn back – see front". How many degree angle will be formed by a man in this situation ?</p> <p>(A) 90° (B) 180° (C) 60° (D) 270°</p>
45	<p>Which number is wrong in following series ? 41, 41, 42, 44, 48, 51, 56</p> <p>(A) 48 (B) 51 (C) 56 (D) 41</p>
46	<p>643145312143174312931 In the above series, how many 3's are there such that 1 comes after and 4 comes before ?</p> <p>(A) 5 (B) 4 (C) 3 (D) 2</p>
47	<p>Which word can be made with the characters of the given words. "INTERNATIONAL"</p> <p>(A) ANNUAL (B) LAMINATION (C) TERMINATE (D) INTERNAL</p>
48	<p>In the following options three are similar group but one is different from them. Find that different option.</p> <p>(A) 24-36 (B) 44-56 (C) 39-45 (D) 66-78</p>
49	<p>In the following options three are similar group but one is different from them. Find that different option.</p> <p>(A) QRS (B) XYZ (C) STU (D) MLN</p>
50	<p>Richa walks 4 km in the direction of sun on sunset time. Then she turns a right and walks 1 km. She turns left and walks 1 km then she turns left and walks 1 km. Now how many km would she away from her origin ?</p> <p>(A) 3 (B) 4 (C) 5 (D) 6</p>



PART – 2 LANGUAGE TEST (ENGLISH MEDIUM)

	Fill in the blanks with proper forms of verbs. (Q. 51 to 55)			
	Blandford started __ (51) __ towards her. But then he __ (52) __. She __ (53) __ a rose. As he moved. She __ (54) __ sweetly, “ __ (55) __ my way, soldier ?” She murmured.			
51	(A) walk	(B) walked	(C) walks	(D) walking
52	(A) notice	(B) notices	(C) noticed	(D) noticing
53	(A) does not have	(B) did not had	(C) did not have	(D) will not have
54	(A) smiled	(B) smiles	(C) smile	(D) smiling
55	(A) goes	(B) going	(C) go	(D) went
	Fill in the blanks in the following passage with proper forms of words. (Q. 56 to 60)			
	The (56) Lord was (57) busy that day. He was in to his (58) day of overtime. When he was working with full (59) , an angel (60) there.			
56	(A) good	(B) goodness	(C) well	(D) goodly
57	(A) extreme	(B) extremely	(C) extrimity	(D) extere
58	(A) six	(B) sixth	(C) sixes	(D) sixteenth
59	(A) concentrate	(B) concentrated	(C) concentratedly	(D) concentration
60	(A) appears	(B) appearance	(C) appeared	(D) appear
	Fill in the blanks with proper preposition in the given passage. (Q.61 to 63)			
	I was looking out (61) her as the train drew (62) the station and I felt an unexpected thrill. I saw her walking (63) the platform.			
61	(A) of	(B) for	(C) in	(D) into
62	(A) of	(B) for	(C) upon	(D) into
63	(A) up	(B) on	(C) down	(D) in
	Fill in the blanks with proper conjunctions in the given passage. (Q.64 to 66)			
	(64) I reached there, I saw (65) my friend was injured, (66) I look him to the hospital.			
64	(A) When	(B) While	(C) Before	(D) Till
65	(A) if	(B) while	(C) whether	(D) that
66	(A) because	(B) as	(C) so	(D) since
67	Arrange the following words in proper order to make a meaningful sentence. (1) his cheeks (2) and blew (3) the wind (4) puffed			
	(A) 1,2,3,4	(B) 2,3,4,1	(C) 3,4,1,2	(D) 3,4,2,1
68	Arrange the following words in proper order to make a meaningful sentence. (1) depressed (2) was (3) Mohan (4) and cried			
	(A) 3,2,4,1	(B) 3,2,1,4	(C) 2,3,4,1	(D) 4,3,2,1
69	Give antonyms : Conclude			
	(A) state	(B) include	(C) end	(D) begin
70	Give antonyms : Like			
	(A) unlike	(B) dislike	(C) favour	(D) likeless

71	Find out suitable interrogative sentence (Question) to get the underlined words as the answer. Mala went to Mt. Abu last week.
	(A) Who went to Mt. Abu last week ? (C) Where did Mala go last week ? (B) Where does Mala go last week ? (D) When did Mala go to Mt. Abu ?
72	Find out suitable interrogative sentence (Question) to get the underlined words as the answer. Sunita cancelled her tour as she is sick.
	(A) Who cancelled her tour ? (C) Why does Sunita cancel her tour ? (B) Why did Sunita cancel her tour ? (D) Why should Sunita cancel her tour ?
73	Change the following sentence into exclamatory sentence. It was a wonderful shot.
	(A) What wonderful shot it was ! (C) How wonderful shot it was ! (B) What a wonderful shot it was ! (D) What a wonderful shot it was !
74	Change the following sentences into passive voice. Chirag won the competition.
	(A) The competition was won by Chirag. (C) The competition will be won by Chirag. (B) The competition is won by Chirag. (D) The competition won by Chirag.
75	Change the following sentences into passive voice. Divyesh could not answer the question.
	(A) The question can not be answered by Divyesh. (B) The question was not answered by Divyesh. (C) The question could not be answered by Divyesh. (D) The question can be answered by Divyesh.
76	Give opposite word : Honest
	(A) Ugly (B) Humble (C) Sneak (D) Tyrant
77	Give one word for : Water tank
	(A) Cistern (B) Cistus (C) Cist (D) Cirque
78	Arrange the following words in proper order to make a meaningful sentence. (1) many (2) balls (3) are (4) how (5) in the basket (6) here
	(A) 4,3,5,1,2,6 (B) 4,1,2,3,6,5 (C) 3,6,1,2,5,4 (D) 4,1,6,3,2,5
79	Fill the blank with proper word. _____ makes us behave as if problems do not exist or are someone else's.
	(A) Antipathy (B) Empathy (C) Sympathy (D) Apathy
80	Give the synonyms : Awful
	(A) Joyful (B) Dreadful (C) Doubtful (D) Wholly
81	'To break the ban' means to overcome the _____.
	(A) blind belief (B) disease (C) fear (D) taboo
82	Rabindranath Tagore is regarded as _____ greatest writers in morden Indian literature.
	(A) many of the (B) some of the (C) one of the (D) someone of the
83	My favourite film is 'Mother India'. _____ it four times.
	(A) I'm seeing (B) I see (C) I saw (D) I've seen
84	Don't take that newspaper away. _____ it.
	(A) I read (B) I am going to read (C) I will read (D) I would read
85	I will be with you in _____.
	(A) one quarter of an hour (C) a quarter of an hour (B) a quarter of one hour (D) a quarter of hour
86	Complete the sentence with a negative verb. Julia _____ be here tomorrow. She's going away.
	(A) won't (B) isn't (C) doesn't (D) didn't
87	Give past simple verb : Light
	(A) Lought (B) Light (C) Let (D) Lit

88	Give past participle verb : Run (A) Run (B) Ran (C) Rang (D) Rung
89	Find the misspelling word. (A) Allright (B) Definatly (C) Baloon (D) Argument
90	Find the correct spelling word. (A) Occasanally (B) Occasanelly (C) Occasionally (D) Occasionally
91	Give synonyms : Destiny (A) Fate (B) Wisdom (C) Unluck (D) Humble
92	Give the opposite word : Hush (A) Peace (B) Silence (C) Noise (D) Flush
93	Give a similar meaning of the word : Scarcely (A) Quickly (B) Barely (C) Rapidly (D) None of these
94	Give synonyms : Requirement (A) Needy (B) Needful (C) Greedy (D) Need
95	Give antonym : Faint (A) Bright (B) Dull (C) Fast (D) Light
96	Find the correct spelling word. (A) Florine (B) Bauxite (C) Alumineum (D) Clorine
97	Find incorrect spelling word. (A) Diphtheria (B) Repetition (C) Superintendent (D) Vaccum
98	Have you got _____ homework to do ? (A) much (B) many (C) a lot of (D) lots
99	How _____ questions would you answer ? (A) much (B) lots (C) many (D) a lot of
100	We _____ by a loud noise during the night. (A) wake up (B) were waken up (C) are waken up (D) were waking up

101	If $U = \{x x \in \mathbb{N}, x < 5\}$, $A = \{x x \in \mathbb{N}, x \leq 2\}$ then $A' =$ _____ (A) {1,2} (B) {1,2,3,4,5} (C) {3,4} (D) {3,4,5}
102	0.235 is a _____ number. (A) Natural (B) Integer (C) Rational (D) Irrational
103	Which one is the constant term of $4x^3 - 3x^2 + 2x - 5$ (A) 4 (B) -5 (C) 2 (D) -3
104	Point (4,0) lies on _____. (A) \overline{XO} (B) \overline{YO} (C) \overline{OX} (D) \overline{OY}
105	Line $y = 4$ is _____. (A) Parrellal to Y - Axis (B) Intersecting both axes (C) Parrellal to X - Axis (D) Passes throw origin
106	_____ was the most logical and abstract creator of Euclid's geometry approach. (A) Hilbert (B) Bhasharacharya (C) Thelus (D) Pythagorous
107	If P-Q-R, Then _____ is the opposite ray of \overline{QR} . (A) \overline{PQ} (B) \overline{QP} (C) \overline{RQ} (D) \overline{PR}
108	An angle is the union set of _____. (A) lines (B) line segments (C) rays (D) a line segment and a ray
109	The sum of all six exterior angles of a triangle is _____. (A) 180 (B) 360 (C) 720 (D) 90
110	If diagonals of a quadrilateral are not conjugate and bisect at right angle, then such quadrilateral is known as _____. (A) square (B) rectangle (C) trapezium (D) rhombus
111	$\square ABCD$ is a rhombus. If $ABCD = 160$ and $AC = 16$ then $BD =$ _____. (A) 10 (B) 20 (C) 15 (D) 25
112	The length of minor arc \widehat{AB} of $\odot (P,7)$ is 14. Find the length of major arc \widehat{AB} . (A) 18 (B) 21 (C) 28 (D) 30
113	The length of the edge of a equilateral triangle is 8 cm. Then semi circumfiarence of such triangle is _____ cm. (A) 4 (B) 24 (C) 12 (D) 36
114	The formula of lateral surface area of cylender is _____. (A) $A = 2\pi rh$ (B) $A = 2\pi r$ (C) $A = \pi r^2$ (D) $A = 2\pi r^2 h$
115	Upper limit of class '41-50' is _____. (A) 41 (B) 50 (C) 45 (D) 91
116	G.C.D. of 4 and 19 is _____. (A) 1 (B) 4 (C) 19 (D) 76

117	The polynomial having 3 degree is known as _____.
	(A) Linear (B) Quadratic (C) Polynomial (D) Trinomial (cubic)
118	If $\frac{x+y}{xy} = 2$ and $\frac{x-y}{xy} = 6$ then $y =$ _____
	(A) $\frac{1}{4}$ (B) $\frac{-1}{2}$ (C) $\frac{-1}{4}$ (D) $\frac{1}{3}$
119	Find the product of zeros of the quadratic polynomial : $x^2 - 4x + 3$.
	(A) 1 (B) 3 (C) 4 (D) -4
120	In ΔABC , $\angle B$ is right angle. If $a = 16$ and $c = 12$ then $b =$ _____
	(A) 8 (B) 18 (C) 20 (D) 28

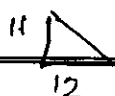
(Science and Technology)

121	For which of the following physical quantities, it is necessary to indicate direction along with its magnitude?
	(A) Speed (B) Path length (C) Displacement (D) Temperature
122	Which Newton's law of motion gives magnitude of force ?
	(A) First (B) Second (C) Third (D) None of these
123	Which of the following physical quantity is scalar quantity ?
	(A) Mass (B) Force (C) Impulse of force (D) Momentum
124	Give the SI unit of Density ?
	(A) kg (B) m^2 (C) kg/m^2 (D) kg/m
125	What is the full form of PNG ?
	(A) Petrol Natural Gas (C) Pressurise Natural Gas (B) Pipe Natural Gas (D) Pure Natural Gas
126	Which of the following is a monatomic molecule ?
	(A) Nitrogen (B) Hydrogen (C) Helium (D) Oxygen
127	Which Newton's law of motion defines force ?
	(A) First (B) Second (C) Third (D) None
128	Density of water is _____.
	(A) $1000 kg/m^3$ (B) $1 kg/m^3$ (C) $1000 g/cm^2$ (D) $100 kg/m^3$
129	What is the approximate diameter of human hair ?
	(A) 500 nm (B) 5000 nm (C) 50 nm (D) 50000 nm
130	What is the orbital period of halley's comet ?
	(A) 66 years (B) 76 years (C) 86 years (D) 96 years
131	Where is the image of an object formed in human eye ?
	(A) Iris (B) Pupil (C) Retina (D) Cornea
132	What is the unit of electric potential difference ?
	(A) Volt (B) Coulomb (C) Joule (D) Watt
133	In which state of a substance, it has the shape ?
	(A) Liquid (B) Liquid & Gas (C) Gas (D) Solid

16
x16

8

256 = 144



256
144
112

11
256
144
900

134	Which of the following is correct for X-Rays ? (A) It is beam of electrons (B) It is electro magnetic waves (C) It is positively charged particle (D) It is negatively charged particles
135	State the atomic mass of H ₂ O ? (A) 16 U (B) 17 U (C) 18 U (D) 15 U
136	who was the scientist to make attempts for giving explanatory defination of element ? (A) Rontgen (B) Dalton (C) Rutherford (D) Laveziour
137	Which bond is present in oxygen atom ? (A) Ionic bond (B) Covalent bond (C) Covalent divalent bond (D) Covalent trivalent bond
138	1 kWh = J (A) 3.6×10^6 (B) 36×10^6 (C) 3.6×10^7 (D) 3.6×10^5
139	Who discovered y-rays ? (A) Rutherford (B) Thomsan (C) Willard (D) Dalton
140	Which radiation was discovered by Rutherford ? (A) α & β (B) β & γ (C) α & γ (D) α , β & γ
141	Which chemical is formed when non metallic oxides react with water ? (A) Metal (B) Base (C) Minerals (D) Acid
142	What is the molecular formula of silver glance ? (A) Ag ₂ S (B) AgCl (C) CaCO ₃ (D) Al ₂ O ₃
143	How many elements are there in non metal ? (A) 14 (B) 18 (C) 88 (D) 114
144	What percentage of carbon in Bituminous coal ? (A) 28 – 30 % (B) 28 % (C) 78 – 86 % (D) 94 – 98 %
145	Which is the largest cell in human body ? (A) Liver cell (B) Nerve cell (C) Muscle cell (D) Kidney cell
146	Who has given the word 'cell' ? (A) Robert Hook (B) Robert Brown (C) Watson and crick (D) Flamming
147	Which is the living component of xylem ? (A) Tracheid (B) Xylem fibre (C) Xylem paranchyma (D) Trachea
148	Living mechanical tissue is _____. (A) Parenchyma (B) Collenchyma (C) Sclerenchyma (D) Chlorenchyma
149	Which of the tissue has deposition of Pactin ? (A) Collenchyma (B) Sclerenchyma (C) Phloem (D) Xylem
150	Where is the place of Ciliated Epithelium Tissue ? (A) Ureter (B) Liverduct (C) Fallopien tube (D) Bileduct

151	Bone is _____ (A) Epithelium tissue (B) Muscular tissue	(C) Connective tissue (D) Nervous tissue
152	Which one of infactions disease ? (A) T.B. (B) Goitor	(C) Diabetes (D) Hypertention
153	Which one is belongs to 'Ritro virus group' ? (A) Dengue virus (B) Hepetitis virus	(C) Influenza virus (D) HIV
154	Who is responsible for malaria ? (A) Bacteria (B) Virus	(C) Plasmodium (D) Warm
155	Where is the Gaseous exchange takes place during respiration in human being ? (A) Bronchi (B) Pharynx	(C) Larophaynx (D) Trachea
156	How many chambers are present in human heart ? (A) 2 (B) 3	(C) 4 (D) 6
157	The spinal cord originates from where ? (A) Cerebrum (B) Cerebellum	(C) Medulla oblongata (D) Pones
158	In which of the following living organisms spore formation takes place ? (A) Mucor (B) Planaria	(C) Spirogyra (D) Potato
159	The continuity of features from one generation to another is known as _____ (A) Evolution (B) Mutation	(C) Generation (D) Heredity
160	Which spice of Italian honey bee is useful for honey production ? (A) Epis serena indica (B) Epis corseta	(C) Epis flora (D) Epis meliphera

(SOCIAL SCIENCE)

161	Who discovered "Cap of Good Hope" island ? (A) Columbus (B) Vasco-de-Gama	(C) Bartholomew Diaz (D) Amerigovesupuchi
162	When did Britishers establish the Head Quarter in Bombay ? (A) 1613 (B) 1608	(C) 1680 (D) 1667
163	When did the first world war start ? (A) 1 st August, 1914 (B) 8 th August, 1914	(C) 14 th August, 1914 (D) 20 th August, 1914
164	Who established 'Fascism' in Italy ? (A) Hitlor (B) Mussolini	(C) Lanin (D) Nepolian
165	In which country was national flag hoisted prepared by madom Cama ? (A) France (B) Russia	(C) Germany (D) Japan
166	Which festival was there in Punjab when Jallianwala Bagh massaere occurred ? (A) Baishakhi (B) Diwali	(C) Holi (D) Ramzan Id

167	Which one of the following not included in the state known as 'seven sisters' ? (A) Assam (B) Sikkim (C) Manipur (D) Tripura
168	Which day is celebrated as "Human Rights Day" ? (A) 19 December (B) 12 December (C) 15 December (D) 10 December
169	Which kind of democracy governance system there in our country ? (A) Presidential (B) Parliamentary (C) Independent (D) Neutral
170	Where is India lies on in Asia continent ? (A) South (B) North (C) East (D) West
171	Which canal has reduced the distance between Europe and India ? (A) Panama (B) Alaska (C) Suwej (D) Nile
172	By which name is the delta region of the Ganga and Brahmputra known as ? (A) Taheri (B) Pamir (C) Vrundavan (D) Sundarvan
173	By which name is the some rainfall at Malabar coast known as ? (A) Amra Vrushti (B) Ana Vrushti (C) Him Vrushti (D) Cyclone
174	In which state are wild goats and musk(Kasturi) deer found ? (A) Andhra Pradesh (B) Gujarat (C) Jammu and Kashmir (D) Assam
175	Which fair of Gujarat is famous for buy and sale of donkeys ? (A) Tarnetar (B) Siddhapur (C) Bhavnath (D) Vautha
176	What does 'Tsunami' means in Japanees language ? (A) Upward tidal waves (C) Destructive waves (B) Spiral waves (D) Downward tidal waves
177	In which sea "Lakshadweep" Island located ? (A) Bay of Bangal (B) Arabian Sea (C) Indian Ocean (D) Pacific Ocean
178	After gaining Independence which state was the first to join Indian union ? (A) Morbi (B) Junagadh (C) Patiyala (D) Bhavnagar
179	Who established a political party "Forward Bloc" ? (A) Subhashchandra Bose (C) Khudiram Bose (B) Rashbihari Bose (D) Satyendranath Bose
180	Which British system was like "sweet poison" ? (A) Revenue Policy (C) Policy of Annexation (B) Subsidiary Alliance (D) Permanent Deposit Policy
181	Who was the pioneer of armed revolution in Gujarat ? (A) Barindra Ghosh (C) Mohanlal Pandya (B) Chhotubhai Purani (D) Arvind Ghose
182	When did the people of Germany broke down the "Berlin wall" ? (A) 1990 (B) 1991 (C) 1989 (D) 1992
183	What type of government was established to join Indian union by the people of Junagadh ? (A) Responsible Govt. (C) Independent Govt. (B) Arzai Hakumat (D) Federal government
184	In which district Rangpur, having archaeological importance is situated ? (A) Surendranagar (B) Ahmedabad (C) Rajkot (D) Patan

185	Who were the direct decedents of stoneage civilization and creator of Mohen-Jo-Daro's Sindhdu culture ? (A) Arya (B) Mongoloid (C) Dravid (D) Armenoid
186	The day of 21 st june known as ? (A) Environment day (B) World Yoga Day (C) Mother Day (D) World Peace Day
187	Which veda is known as Gangotri of Music ? (A) Rigveda (B) Atharveda (C) Yajurveda (D) Samveda
188	In which language did Abul Fazal write the Akabarnama ? (A) Farsi (B) Arabi (C) Urdu (D) Pali
189	Which ancient university was situated at Badgaon village of Patna district in Bihar ? (A) Takshshila (B) Vallabhi (C) Nalanda (D) Vikramshila
190	Name the Indian mathematician who discoverer zero ? (A) Aryabhatta (B) Bhaskarachary (C) Brahmgupta (D) Lilawati
191	Which book of maths had been written by Bhaskaracharya ? (A) Aryabhattiyam (B) Lilavati Ganit (C) Dash Gitika (D) Arya Siddhant
192	Who built the Red fort of Delhi ? (A) Akbar (B) Humayun (C) Shahjahan (D) Jahangir
193	Which wild life is totally extinct from Gujarat forest area ? (A) Leopard (B) Tiger (C) Deer (D) Lion
194	Which country is the heighest exporter of in the world ? (A) China (B) Pakistan (C) America (D) India
195	Which crop is known as 'White Gold' in India ? (A) Cotton (B) Millet (C) Paddy (D) White Kidney Beans
196	Where is the largest oil refinery of the world is located ? (A) Dubai (B) Gauhati (C) Jamnagar (D) Kuwait
197	Which Indian city is well-known as "Silicon Valley" of India ? (A) Hydrabad (B) Nagpur (C) Mumbai (D) Bangaluru
198	Which term is used for families living under the poverty line ? (A) APL (B) BPL (C) GPL (D) CPL
199	Which economist of Indian origin propound the Human development Index ? (A) Dr. Amartya Sen (C) Dr. H. M. Patel (B) Dr. Manmohan Singh (D) Raghuram Rajan
200	Which poetry is not written by Kalidas ? (A) Kumarsambhava (B) Raghuvansh (C) Dashkumarcharit (D) Rutusamhar

પરીક્ષા પૂરી થયાબાદ OMR શીટ ખંડ નિરીક્ષકને પરત કર્યા બાદ જ પરીક્ષા ખંડ છોડવાનો રહેશે. તેમ કરવામાં કસૂર થયેથી શિસ્તભંગના પગલા લઈ પરીક્ષા માટે જે તે ઉમેદવારને ગેરલાયક ઠેરવવામાં આવશે.