

DO NOT OPEN THE SEAL OF THE BOOKLET UNTIL YOU ARE ASKED TO DO SO

Time Allowed: 2 Hours

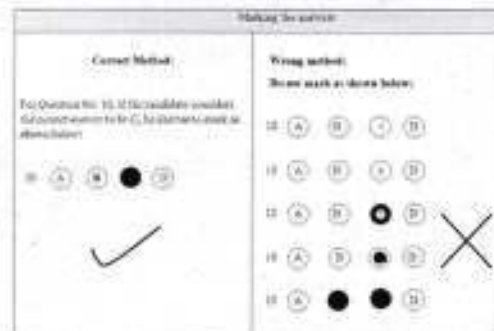
Maximum Marks: 100

Read the following instruction carefully before you begin to answer the question. This booklet contains questions in English Only.

INSTRUCTIONS TO CANDIDATE

1. Every candidate is required to satisfy that the Question Paper Booklet given to him / her contains the number of pages as printed on the cover page of the booklet. In case of any discrepancy, he/she should ask for replacement of the Question Paper Booklet immediately.
2. The Question Paper Booklet will consist of 100 Multiple Choice Questions (MCQ's). Each question will be of one mark and for every question, four answer options designated as A, B, C and D are given in the Question Paper Booklet. The candidate is required to select one amongst the options corresponding to the question as his/her right answer and darken the circle i.e. A or B or C or D as the case may be, to be the answer in the OMR Answer Sheet with black ball point pen only.

Example:



3. Candidates are required to sign in the OMR Answer Sheets and Attendance Sheet in the same manner as they have signed in their application form and Admit Card. They must affix their Left Hand Thumb Impression in the attendance sheet.
4. The OMR Answer Sheet contains the serial number of questions as given in the Question Paper Booklet. Against each question number, there are four circles marked as A, B, C, and D which correspond to the four answer options of which one is to be darkened on the OMR Answer Sheet only. No marking should be done on the Question Paper Booklet.
5. Candidates are required to correctly fill in the Question Paper Booklet Code (as mentioned on the top of the Question Paper Booklet) in the OMR Answer Sheet, as the same will be considered final for result computation. Candidates not filling the Question Paper Booklet Code will not be awarded any marks.
6. The candidate must write his Roll Number, as allotted to him/her and printed in the Admit Card, on OMR Answer Sheet in boxes and darken appropriate circles with Blue/Black Ball Point Pen. Similarly, write Question Paper Booklet Number as also the codes viz A or B or C or D, as the case may be, subject code and Exam Centre code on OMR Answer Sheet. The candidate should not make noting/scribbling on the Answer Sheet and Question Paper Booklet except in the space provided for rough work. In case any candidate fills in the information wrongly, the Institute will not take any responsibility of rectifying the mistake. The Question Paper Booklet Code as darkened by the candidate will be final and the result will be processed on the basis of the circle darkened by him/her.
7. Candidates should not open the seal of the Question Paper Booklet before the time specified for the commencement of the examination.

8. Multiple darkened circles for a question will be treated as wrong answer. For question/s not answered i.e. blanks, no marks will be given or deducted.
9. Candidate should not change / erase / overwrite on the options while answering the questions in the event of any such act zero marks shall be given for the said question. Use of white/correction fluid, eraser, blade, etc. is not allowed on the OMR Answer Sheet.
10. The candidate will be required to submit the OMR Answer Sheet at the conclusion of each session of examination against acknowledgement by the Invigilator on the admit card.
11. Candidates may bring a card board or clip board on which nothing has been written so as to avoid any difficulty in darkening the circles in OMR Answer Sheet as the tables/furniture provided in the examination hall may or may not have even or smooth surface.

*****All the best*****

Written Examination for the Post : MTS (Set 3)

Q1) I _____ Meenu since Monday

- (a) have not seen (b) did not see (c) was not seeing (d) have not been seeing

Q2) We _____ for a picnic last week.

- (a) went (b) have gone (c) had gone (d) were going

Q3) Suggest antonym for the word : ' barren '

- (a) crude (b) fertile (c) natural (d) brutal

Q4) Give one word for ' A story or statement that can not be believed '

- (a) incorrigible (b) incredible (c) irrelevant (d) insatiable

Q5) Use a, an, or the in the following statement:

_____ industrial exhibition was opened in _____ city.

- (a) a , a (b) an , the (c) the, the (d) an , a

Q6) Suggest synonym for the word ' accumulate '

- (a) achieve (b) collect (c) capable (d) cling

Q7) Give the correct meaning of idiom - ' break away '

- (a) to explode (b) to free oneself from restraint (c) to crush (d) to scold

Q8) He jumped _____ my suggestion that he should set up a new factory.

- (a) to (b) on (c) upon (d) at

Q9) His addiction _____ gambling is going to be the cause _____ his ruin.

- (a) to , of (b) with , for (c) on , for (d) with , of

Q10) Change the sentence from active to passive voice -

A network of canals irrigate the Punjab

- (a) The Punjab is irrigated by a network of canals
(b) It is the network of canals which irrigates Punjab
(c) Irrigation of Punjab is by a network of canals
(d) None of these

Q11) How many friends helped you ?

In passive voice, this is

- (a) you are helped by how many friends ? (b) were you helped by how many friends ?
(c) How many friends were you helped by ? (d) How many friends you were helped by ?

Q12) Fill in the blank with the passive form of the verb given in the bracket

A radar _____ for tracing the movements of a plane in the sky (use)

- (a) used (b) is used (c) uses (d) None of these

Q13) Choose the word nearest in meaning to the key word : Mirage

- (a) illusion (b) mirror (c) desert (d) image

Q14) Choose the correct alternative from those given below :

- (a) Oranges are sold by the dozen (b) The oranges are sold by the dozen
(c) Oranges are sold by dozen (d) The oranges are sold by dozen

Q15) Study the following pairs of sentences & choose the correct one :

- (i) This was only mistake he made (ii) This was the only mistake he made
(a) i (b) ii (c) i and ii (d) None of these

Q16) Choose the expression that explains the given word correctly : Orthodox

- (a) Self-opinionated (b) One who flouts established opinions
(c) One who has no opinion's of one's own (d) One who holds established opinions

Directions (Q. 17 to 20) : Read the following passage and answer the questions given below it in the context of the passage.

A well-dressed young man entered a big textile shop one evening. He was able to draw the attention of the salesmen who thought him rich and likely to make heavy purchases. He was shown the superior varieties of suit lengths and sarees. But after casually examining them, he kept moving to the next section, where readymade goods were being sold and further on to the hosiery section. By then, the salesmen had begun to doubt his intentions and drew the attention of the manager. The manager asked him what exactly he wanted and he replied that he wanted courteous treatment. He explained that he had come to the same shop in casual dress that morning and drawn little attention. His pride was hurt and he wanted to assert himself. He had come in good dress only to get decent treatment, not for getting any textiles. He left without making any purchase.

Q17) The young man was well-dressed because

- (a) it was his habit to dress well (b) it was his wedding day
(c) he wanted to meet the manager of the shop (d) he wanted to impress the salesmen

Q18) The salesmen in the shop are described as people who pay attention to

- (a) only young men and women (b) pretty women
(c) only rich customers (d) regular customers

Q19) The young man moved away to the hosiery section because he

- (a) was not interested in purchasing anything now (b) did not like the readymade clothes
(c) wanted better clothes (d) was restless

Q20) The manager asked the young man what he wanted because

- (a) he would give him exactly what he was looking for
(b) the salesman had drawn his attention to the indifferent attitude of the young man
(c) he thought they could do more business with him that way
(d) he thought the visitor was dissatisfied

Q21) Which of the following cities is known as Electronic City of India ?

- (a) Mumbai (b) Hyderabad (c) Bangalore (d) Gurgaon

Q22) Which of the following is known as "Gift of Nile"?

- (a) Ethiopia (b) Egypt (c) Sudan (d) South Sudan

Q23) Ashok Pandit is known for his outstanding performance in which of the following ?

- (a) Swimming (b) Wrestling (c) Shooting (d) kabaddi

Q24) Tuberculosis is caused due to

- (a) Bacteria (b) Virus (c) Fungus (d) None of these

Q25) Bismillah Khan is associated with

- (a) Tabla (b) Sarod (c) Flute (d) Shehnai

Q26) One kilobyte consists of _____ bytes

- (a) 500 (b) 512 (c) 1000 (d) 1024

Q27) Kishori Amonkar is famous in which of the following fields ?

- (a) Dance (b) Music (c) Social Service (d) Film Acting

Q28) The unit of sound is

- (a) Hertz (b) Decibel (c) Ohm (d) Pascal

Q29) The Indian Institute of Science is located at

- (a) New Delhi (b) Chennai (c) Khargpur (d) Bangalore

Q30) Which of the following country won the FIFA world cup 2014?

- (a) Brazil (b) Argentina (c) Germany (d) Portugal

Q31) The man popularly known as Gurudev is

- (a) Guru Gobind Singh (b) M.S.Golwalkar (c) Raj Guru (d) Rabindranath Tagore

Q32) World environment is celebrated on

- (a) June 4 (b) June 5 (c) July 4 (d) July 5

Q33) Which of the following is known as Garden City of India ?

- (a) Trivandrum (b) Bangalore (c) Imphal (d) Simla

Q34) Who is known as 'the father of Indian missile technology'?

- (a) Dr.U.R.Rao (b) Dr.A.P.J.Abdul Kalam
(c) Dr.Chidambaram (c) Dr.Homi Bhabha

Q35) Which of the following pairs is incorrect ?

- (a) Lokmanya – Bal Gangadhar Tilakash (b) Netaji – Subhash Chandra Bose
(c) Deshbandhu - Chittaranjan Das (d) Frontier Gandhi - Abul Kalam Azad

Q36) The most important small scale industry in India is the

- (a) Textile Industry (b) Paper Industry (c) Handloom Industry (d) Jute Industry

Q37) Golden Temple is situated

- (a) Chandigarh (b) Haryana (c) Punjab (d) Rajasthan

Q38) It is not advisable to sleep under a tree at night because of release of

- (a) oxygen in a lesser quantity than the required levels (b) oxygen in large amounts
(c) carbon monoxide (d) carbon dioxide

Q39) Prof. Amartya Sen has earned worldwide distinction in which of the following fields/areas ?

- (a) Economics (b) Geology (c) Biochemistry (d) Astrophysics

Q40) The highest civilian award bestowed by the President of India to persons for rendering exceptional and distinguished service in any field is

- (a) Bharat Ratna (b) Padma Shri (c) Padma Vibhushan (d) Padma Bhushan

Q41) If you want to visit Lumbini, the birth of Gautam Buddha, you will have to go to

- (a) Maharashtra (b) Bihar (c) West Bengal (d) None of these

Q42) The world smallest country is

- (a) Canada (b) Australia (c) Maldives (d) Vatican City

Q43) Which state government has observed martyrdom day of Bhagat Singh, Sukhdev and Rajguru as 'Youth Empowerment Day'?

- (a) Uttar Pradesh (b) Chattisgarh (c) Punjab (d) West Bengal

- Q44)** Who presented this year's Union budget in Lok Sabha?
 (a) Nitin Gadkari (b) Prakash Jawadekar (c) Arun Jaitley (d) Suresh Prabhu
- Q45)** Which union minister has released India's first-ever Highway Capacity Manual (Indo-HCM) in New Delhi?
 (a) Arun Jaitley (b) Nitin Gadkari (c) Maneka Gandhi (d) Narendra Modi
- Q46)** Who is the speaker of the 16th Lok Sabha
 (a) Meira Kumar (b) Sumitra Mahajan (c) Sushma Swaraj (d) Venkajiah Naidu
- Q47)** Who has been appointed as the new CEO and MD of Infosys?
 (a) Pravin Rao (b) Vishal Sikka (c) Shibulal (d) Satil Parekh
- Q48)** Which is the longest train route in India
 (a) Vivek Express – Dibrugarh to Kanyakumari
 (b) Thiruvananthapuram – Silchar Superfast Express
 (c) Himsahar Express – Jammu Tawi to Kanyakumari
 (d) Navyug Express – Mangalore to Jammu
- Q49)** Who is the Minister of External Affairs in the Union Cabinet?
 (a) Suresh Prabhu (b) Piyush Goel (c) Sushma Swaraj (d) Nirmala Sitharaman
- Q50)** Who amongst the following won silver medal in Olympics 2016
 (a) Sakshi Malik (b) P.V.Sindhu (c) Vijay Kumar (d) Sushil Kumar
- Q51)** Which one of the following numbers is exactly divisible by 11?
 (a) 235641 (b) 245642 (c) 315624 (d) 415624
- Q52)** How many of the following numbers are divisible by 3 but not by 9?
 2133, 2343, 3474, 4131, 5286, 5340, 6336, 7347, 8115, 9276
 (a) 5 (b) 6 (c) 7 (d) None of these
- Q53)** $-84 \times 29 + 365 = ?$
 (a) 2436 (b) 2801 (c) -2801 (d) -2071
- Q54)** If the number $5 * 2$ is divisible by 6, then $* = ?$
 (a) 2 (b) 3 (c) 6 (d) 7
- Q55)** Look at this series: 58, 52, 46, 40, 34, ... What number should come next?
 (a) 26 (b) 28 (c) 30 (d) 32
- Q56)** Look at this series: 3, 4, 7, 8, 11, 12, ... What number should come next?
 (a) 7 (b) 10 (c) 14 (d) 15
- Q57)** The average weight of A, B and C is 45 kg. If the average weight of A and B be 40 kg and that of B and C be 43 kg, then the weight of B is:
 (a) 17 kg (b) 20 kg (c) 26 kg (d) 31
- Q58)** The average weight of 16 boys in a class is 50.25 kg and that of the remaining 8 boys is 45.15 kg. Find the average weights of all the boys in the class.
 (a) 47.55 kg (b) 48 kg (c) 48.55 kg (d) 49.25 kg
- Q59)** Find the simple interest on Rs.5200 for 2 years at 6% per annum
 (a) 450 (b) 524 (c) 600 (d) 624

- Q60)** Rs 1200 is lent out at 5% per annum for 3 years. Find the amount after 3 years
 (a) 1380 (b) 1290 (c) 1470 (d) 1200
- Q61)** If $2994/14.5 = 172$, then $29.94/1.45 =$
 (a) 0.172 (b) 1.72 (c) 17.2 (d) 172
- Q62)** $0.009/? = 0.01$
 (a) 0.0009 (b) 0.09 (c) 0.9 (d) 9
- Q63)** If a man were to sell his chair for Rs.720, then he will lose 25%. To gain 25%, he should sell it for
 (a) 1200 (b) 1000 (c) 960 (d) 900
- Q64)** By selling a bicycle for Rs.2850, a shopkeeper gains 14%. If the profit is reduced to 8%, then The selling price will be
 (a) Rs.2600 (b) Rs.2700 (c) Rs.2800 (d) Rs.3000
- Q65)** A can do a piece of work in 4 hours; B and C together can do it in 3 hours, while A and C together can do it in 2 hours. How long will B alone take to do it?
 (a) 8 hours (b) 10 hours (c) 12 hours (d) 24 hours
- Q66)** A can finish a work in 18 days and B can do the same work in 15 days. B worked for 10 days and left the job. In how many days, A alone can finish the remaining work?
 (a) 5 (b) $5\frac{1}{2}$ (c) 6 (d) 8
- Q67)** A and B together have Rs. 1210. If $\frac{4}{15}$ of A's amount is equal to $\frac{2}{5}$ of B's amount, how much amount does B have?
 (a) Rs.460 (b) Rs.484 (c) Rs.550 (d) Rs.664
- Q68)** A sum of money is to be distributed among A, B, C, D in the proportion of 5 : 2 : 4 : 3. If C gets Rs. 1000 more than D, what is B's share?
 (a) Rs.500 (b) Rs.1500 (c) Rs.2000 (d) None of these
- Q69)** We can divide the circumference of a circle into
 (a) 180 equal arcs (b) 360 equal arcs (c) 270 equal arcs (d) 90 equal arcs
- Q70)** The ratio between the perimeter and the breadth of a rectangle is 5 : 1. If the area of the rectangle is 216 sq.cm, what is the length of the rectangle
 (a) 16 cm (b) 18 cm (c) 24 cm (d) None of these
- Q71)** Angles between 90° and 180° lies in
 (a) 1st quadrant (b) 2nd quadrant (c) 3rd quadrant (d) 4th quadrant
- Q72)** The greatest value of $\sin^4\theta + \cos^4\theta$ is
 (a) 1 (b) $\frac{1}{2}$ (c) 3 (d) 2
- Q73)** The area of a square field is 24200 sq m. How long will a lady take to cross the field diagonally at the rate of 6.6 km/hr?
 (a) 3 minutes (b) 2 minutes (c) 2.4 minutes (d) 2 minutes 40 seconds
- Q74)** The system of measurement in which the angle is measured in radians called the
 (a) Circular system (b) Sexagesimal system (c) MKS system (d) CGS system

Q75) A man walks entirely around his semi-circular garden. What is the area of his garden, if he walks 324m?

- (a) 18 sq. m. (b) 6237 sq.m. (c) 5248 sq. m. (d) 5368 sq. m.

Q76) $1^\circ =$

- (a) $\pi/180$ radians (b) $180/\pi$ radians (c) $1/180\pi$ radians (d) 180π radians

Directions to solve questions from 77 to 80

The following table gives the percentage of marks obtained by seven students in six different subjects in an examination.

The Numbers in the Brackets give the Maximum Marks in Each Subject.

Student	Subject (Max. Marks)					
	Maths	Chemistry	Physics	Geography	History	Computer Science
	(150)	(130)	(120)	(100)	(60)	(40)
Ayush	90	50	90	60	70	80
Aman	100	80	80	40	80	70
Sajal	90	60	70	70	90	70
Rohit	80	65	80	80	60	60
Muskan	80	65	85	95	50	90
Tanvi	70	75	65	85	40	60
Tarun	65	35	50	77	80	80

Q77) What are the average marks obtained by all the seven students in Physics? (rounded off to two digit after decimal)

- (a) 77.26 (b) 89.14 (c) 91.37 (d) 96.11

Q78) The number of students who obtained 60% and above marks in all subjects is ?

- (a) 1 (b) 2 (c) 3 (d) none

Q79) What was the aggregate of marks obtained by Sajal in all the six subjects?

- (a) 409 (b) 419 (c) 429 (d) 449

Q80) In which subject is the overall percentage the best?

- (a) Maths (b) Chemistry (c) Physics (d) History

Q81) IC : 6 :: DP : ?

- (a) 14 (b) 10 (c) 12 (d) 16

Q82) Entrepreneur : Profit :: Scholar : ?

- (a) Income (b) Knowledge (c) Service (d) Business

Q83) Insert the correct missing number from the choices given below

2 cm	7 cm	9 cm	18 cm	36 cm	72 cm
157	150	141	123	87	?

- (a) 36 (b) 15 (c) 51 (d) 69

Q84) Choose the odd one.

- (a) Snake (b) Whale (c) Crocodile (d) Lizard

Q85) From my house I walked 5 km towards north. I turned right and walked 3 km. Again I went one km to the south. How far am I from house?

- (a) 7 km (b) 6 km (c) 4 km (d) 5 km

Q86) Kunal walks 10 km towards North. From there he walks 6 Km towards South. Then, he walks 3 Km towards east. How far and in which direction is he with reference to his starting point?

- (a) 5 Km North (b) 5 Km South (c) 5 Km East (d) 5 Km North-East

Q87) Find analogous pair of Biography : Autobiography

- (a) Memories : History (b) Author : Performer
(c) Mobile : Automobile (d) Testimony : Confession

Q88) Choose the word that is a necessary part of the given word:

Harvest

- (a) autumn (b) stockpile (c) tractor (d) crop

Q89) Doctor : Nurse :: ? : Follower

- (a) Employer (b) Leader (c) Worker (d) Manager

Q90) A number of friends decided to go on a picnic and planned to spend Rs. 96 on eatables. Four of them, however, did not turn up. As a consequence, the remaining ones had to contribute Rs. 4 each extra. The number of those who attended the picnic was

- (a) 8 (b) 12 (c) 16 (d) 24

Q91) A group of 1200 persons consisting of captains and soldiers is travelling in a train. For every 15 soldiers there is one captain. The number of captains in the group is ?

- (a) 70 (b) 75 (c) 80 (d) 85

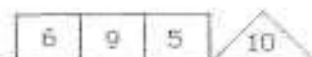
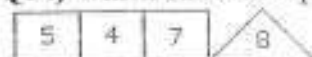
Q92) A tailor had a number of shirt pieces to cut from a roll of fabric. He cut each roll of equal length into 10 pieces. He cut at the rate of 45 cuts a minute. How many rolls would be cut in 24 minutes ?

- (a) 32 rolls (b) 54 rolls (c) 108 rolls (d) 120 rolls

Q93) In a certain code, TRIPPLE is written as SQHOOKD. How is DISPOSE written in that code ?

- (a) EJTQPTF (b) EJTQPTG (c) CHRPNRD (d) CHRONRD

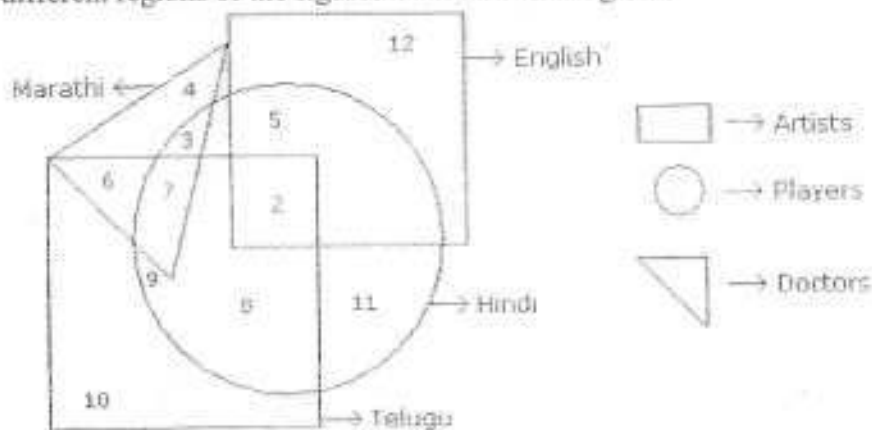
Q94) Which one will replace the question mark ?



- (a) 1 (b) 4 (c) 3 (d) 6

Directions to solve questions from 95 to 98

In the following figure small square represents the persons who know English, triangle to those who know Marathi, big square to those who know Telugu and circle to those who know Hindi. In the different regions of the figures from 1 to 12 are given.



Q95 How many persons can speak English and Hindi both the languages only ?

- (a) 5 (b) 8 (c) 7 (d) 18

Q96 How many persons can speak Marathi and Telugu both ?

- (a) 10 (b) 11 (c) 13 (d) None of these

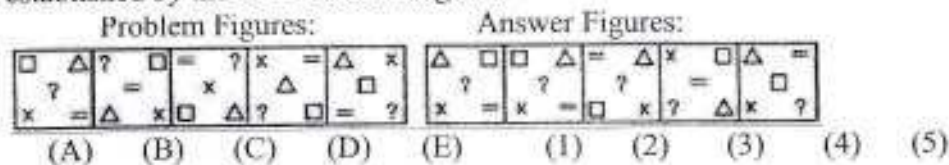
Q97 How many persons can speak only English ?

- (a) 9 (b) 12 (c) 7 (d) 19

Q98 How many persons can speak English, Hindi and Telugu ?

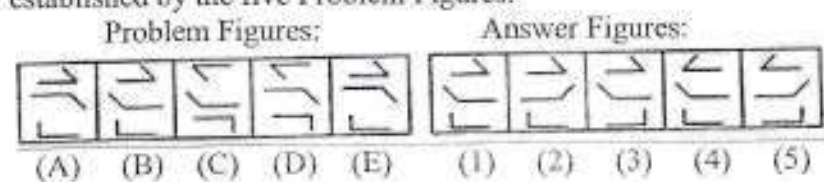
- (a) 8 (b) 2 (c) 7 (d) None of these

Q99 Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.



- (a) 1 (b) 2 (c) 3 (d) 4

Q100 Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.



- (a) 1 (b) 2 (c) 3 (d) 4

1	a	21	c	41	b	61	c	81	c
2	a	22	b	42	d	62	c	82	b
3	b	23	c	43	c	63	a	83	b
4	b	24	a	44	c	64	b	84	b
5	b	25	d	45	b	65	c	85	d
6	b	26	d	46	b	66	c	86	d
7	b	27	b	47	d	67	b	87	d
8	d	28	b	48	a	68	c	88	d
9	a	29	d	49	c	69	b	89	b
10	a	30	c	50	b	70	b	90	a
11	c	31	d	51	d	71	b	91	b
12	b	32	b	52	b	72	a	92	d
13	a	33	b	53	d	73	b	93	d
14	a	34	b	54	a	74	a	94	d
15	b	35	d	55	b	75	d	95	a
16	d	36	a	56	d	76	a	96	c
17	d	37	c	57	d	77	b	97	b
18	c	38	d	58	c	78	b	98	b
19	a	39	a	59	d	79	d	99	b
20	b	40	a	60	a	80	a	100	a

Dr. B. R. Ambedkar Institute of Technology

Pahargaon, Port Blair

Format for Claims and Objection for the written examination of MTS and Physical Training Instructor held on 27/06/2018 for Govt. Polytechnic Diglipur.

S.No	Post	Name of Candidate	Roll No	Question No	Option	Justification

The claims and objections if any may be sent through email to gpdiglipur@gmail.com till 03:00PM of 29/06/2018.