

SET - A

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

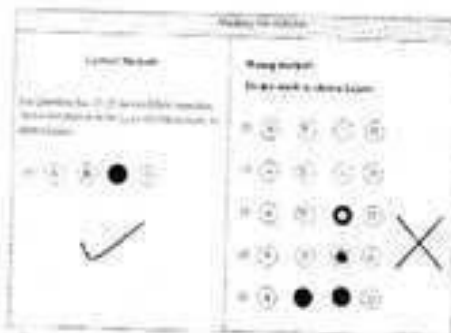
Time Allowed: 2 Hours

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*****

- Q1) By next July, I _____ in this office for ten years.
 (A) will work (B) worked (C) will be worked (D) will have been working
- Q2) I don't think I _____ him yet
 (A) have been meeting (B) met (C) have met (D) will meet
- Q3) Choose the expression that explains the given word correctly : Ambiguous
 (A) Person who is able to use both his hands equally well.
 (B) Statement open to more than one interpretation.
 (C) Animal who can live both on land and in water.
 (D) None of these.
- Q4) Give one word for : ' Strong dislike between two persons
 (A) Aversion (B) Antipathy (C) Apathy (D) Despite
- Q5) Suggest antonym for the word : ' diligent '
 (A) dense (B) haste (C) lazy (D) distant
- Q6) Use a, an, or the in the following statement:
 What _____ pity ! This houngrly child will be given nothing to eat for at least _____ hour.
 (A) a , a (B) an , an (C) a , an (D) an , the
- Q7) Suggest synonym for the word : ' Vigilance '
 (A) watchfulness (B) various (C) beneficial (D) unique
- Q8) Give the correct meaning of idiom - ' cast away '
 (A) to throw aside (B) to continue (C) to appear (D) to inherit
- Q9) We will have to atone _____ our misdeeds.
 (A) at (B) on (C) for (D) no preposition
- Q10) He not only intruded _____ my house but _____ my leisure also.
 (A) against , into (B) into , upon (C) upon , into (D) None of these
- Q11) Change the sentence to passive voice - They are now printing a new edition of that book.
 (A) A new edition of that book now is being printed.
 (B) A new edition of that book is now printed.
 (C) A new edition of that book is now being printed.
 (D) A new edition of that book has now been printed.
- Q12) He is said to have lived on liquid diet.
 This, in active voice ,is
 (A) He is said to have been lived on liquid diet.
 (B) He says to have lived on liquid diet.
 (C) He says he has lived on liquid diet
 (D) People say he has lived on liquid diet.
- Q13) My friend said," Hello! What are you doing here ?" (Direct and Indirect Speech)
 (A) My friend said to me hello, what I was doing there.
 (B) My friend greeted me and asked me what I was doing there.
 (C) My friend said hello to me and asked me what was I doing there.
 (D) My friend wished me and wanted to know that what was I doing there.

- Q14) Choose the correct alternative from those given below
- (A) The desire for wealth often tempts man to do evil.
 - (B) Desire for wealth often tempts a man to do evil.
 - (C) The desire for wealth often tempts a man to do evil.
 - (D) The desire for the wealth often tempts a man to do an evil.

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

- (i) You must be careful in future (ii) You must be careful in the future
- (A) I
 - (B) ii
 - (C) i and ii
 - (D) None of these

Q16) This is one of the best novels I have ever read. (Pick the correct choices from the ones given below)

- (A) This is better than any novel I have ever read.
- (B) This is as good as any other novel I have ever read.
- (C) Very few novels I have ever read are as good as this.
- (D) No other novel I have ever read is as good as this.

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

Paragraph 1: The "who's who" of universities and research institutions published by the Human Resource Development Ministry, as the National Institutional Ranking Framework, 2018, should be viewed mainly as a proposition that data makes it possible to assign objective credentials to some aspects of education. Its assessment of some of the top institutions such as the Indian Institute of Science, the Jawaharlal Nehru University, the IITs and the IIMs is unsurprising, given their record of research, peer-reviewed publications and outcomes for graduates.

Paragraph 2: Even among the 3,954 institutions that participated, there is a clear skew towards southern, southeastern and western India. Participation levels are inadequate: there were 40,026 colleges and 11,669 standalone institutions according to the HRD Ministry's All India Survey on Higher Education for 2016-17.

Paragraph 3: To the faculty and students in many colleges, what matters is the vision of the administrative leaders and a commitment to excellence. The governing bodies should make available adequate financial and academic resources to colleges, particularly the younger ones, to help them improve performance. These are measured by the NIRF in terms of the percentage of faculty with doctoral degrees, papers published in credentialed journals, inclusivity and diversity of students, and median salaries for graduates.

Q17) As per paragraph 1, what does the author mean when he refers to the universities and institutions "Who's who"?

- (A) He is trying to understand 'who' the list prepared by NIRF consists of.
- (B) He is referring to the top institutions among all institutions mentioned in the list prepared by NIRF.
- (C) He is asking the reader to fathom 'who' developed the list and the reasons behind it.
- (D) Both A and C

Q18) As per paragraph 2, there is a skew towards which region/regions in terms of participation?

- I. North II. North-East III. Western IV. South-Eastern
- (A) Only III and IV
 - (B) Only I, III and IV
 - (C) Only I, II and IV
 - (D) Only I, II and I

Q19) As per paragraph 3, which of the following parameter/s matter/s to faculty and students when determining the worth of an institution?

- I. Vision of its leaders II. Frequency of pay hikes III. Availability of adequate academic resources
- (A) Only I
 - (B) Only II
 - (C) Only I and II
 - (D) Only I and III

Q20) As per the passage, which of the following parameters is/are used by NIRF to judge institutions for ranking them?

- I. Papers published in reputed journals II. Number of highly qualified faculty
III. Diversity in terms of students

(A) Only II (B) Only III (C) Only I and II (D) All of the above

Q21) The body of the UN responsible for world peace

(A) International court (B) UNESCO (C) General Assembly (D) the Security Council

Q22) The first women chairman of the UN General Assembly

(A) Vijaya Lakshmi Pandit (B) Angie Elisabeth
(C) Sheikha Haya Rashad Al Khalifa (D) None of these

Q23) Who swears-in the judges of the Supreme Court

(A) President (B) Prime Minister (C) Chief Justice of Supreme Court (D) Lok Sabha Speaker

Q24) Who is considered as the father of Economics?

(A) Adam Smith (B) John Locke (C) David Ricardo (D) Karl Marx

Q25) Pandit Hariprasad Chaurasia is associated with

(A) Tabla (B) Sarod (C) Flute (D) Shehnai

Q26) The famous Khajuraho temple is in

(A) Maharashtra (B) Gujrat (C) Madhya Pradesh (D) Tamil Nadu

Q27) Birju Maharaj is famous in which of the following fields ?

(A) Dance (B) Music (C) Social Service (D) Film Acting

Q28) The famous Hussain Sagar lake is situated in the state

(A) Madhya Pradesh (B) Maharashtra (C) Telangana (D) Andhra Pradesh

Q29) Kajiranga National Park is located in

(A) Barpet (B) Jorhat (C) Khargpur (D) Bangalore

Q30) Tiruchirapalli is located on the bank of river ?

(A) Narmada (B) Godavari (C) Cauvery (D) Vaigai

Q31) National Technology Day is celebrated on

(A) 11th May (B) 11th June (C) 15th May (D) 28th February

Q32) First Indian woman to climb Mt. Everest twice

(A) Durba Banerjee (B) Bachhendri Pal (C) Santosh Yadav (D) Rita Faria

Q33) Idukki multipurpose project of Kerala is constructed across which river

(A) Ravi (B) Krishna (C) Periyar (D) Tapi

Q34) Which country in the world is known as 'The land of sunrise'?

(A) USA (B) UK (C) China (D) Japan

Q35) Who was the founder of ? 'Azad Hind Fouj'

(A) Bal Gangadhar Tilak (B) Subhash Chandra Bose (C) Chittaranjan Das (D) Ras Bihari Bose

Q36) Which city is situated on the banks of Thames river ?

(A) Paris (B) London (C) Mosco (D) Lisbon

- Q37) Who keeps the accounts of the National Income and GDP?
 (A) Finance ministry (B) Commerce Ministry
 (C) Reserve Bank of India (D) Central Statistical Organization
- Q38) The new institute established in place of Planning Commission is
 (A) NITI Ayog (B) National Planning Commission (C) Advisory body (D) None of these
- Q39) India earn majority of its foreign currency from the export of ?
 (A) Agricultural products (B) Petroleum Products
 (C) Jewels and expensive stones (D) Medicines
- Q40) Blue Revolution is related to production of ?
 (A) Milk Production (B) Fishery Production (C) Egg Production (D) Oilseed Production
- Q41) $(102 \div 21) / (204 \div 42) = ?$
 (A) $1/4$ (B) 4 (C) 1 (D) $1/2$
- Q42) $42.837 - ? = 29.8 + 13$
 (A) 0.37 (B) 3.7 (C) 0.037 (D) None of these
- Q43) $189 / \sqrt{?} = 1.89$
 (A) 10 (B) 100 (C) 1000 (D) 10000
- Q44) A man's wage was reduced by 50 % and again the reduced wage was increased by 50 %. What is his loss?
 (A) Nothing (B) 25 % (C) 40 % (D) 50 %
- Q45) If $? / 28 = 63 / ?$, then which of the following numbers replaces the question mark?
 (A) 14 (B) 21 (C) 28 (D) 42
- Q46) A trader bears a loss of 25 % by selling 40 needles for a rupee. How many needle should be sold for a rupee in order to earn a profit of 20 % ?
 (A) 23 (B) 20 (C) 25 (D) 27
- Q47) If 12 men can finish a work in 20 days, then in how many days 15 men will complete that work ?
 (A) 15 days (B) 16 days (C) 18 days (D) 13 days
- Q48) A train is running at the speed of 86.4 km per hour, then how much distance will it cover in 10 minutes?
 (A) 0.014 km (B) 144 km (C) 1.44 km (D) 14.4 km
- Q49) In how many years does a sum get doubled at simple interest rate of 12.5 % p.a ?
 (A) 6 years (B) 8 years (C) 10 years (D) None of these
- Q50) Average age of 30 boys in a class is 10 years. If however, the age of their teacher is also include then the average increases by one year. What is the age of the teacher?
 (A) 38 years (B) 40 years (C) 30 years (D) 41 years
- Q51) A day after tomorrow will be X-mas-day. What will be the day on New Year day if today is Monday ?
 (A) Sunday (B) Tuesday (C) Wednesday (D) Thursday
- Q52) The angle which is five times of its supplementary angle is
 (A) 36 degree (B) 30 degree (C) 180 degree (D) 150 degree

Q53) Which one of the following triangles is not a right angled triangle ?

- (A) $a = 8 \text{ cm}$, $b = 12 \text{ cm}$, $c = 13 \text{ cm}$ (B) $a = 3 \text{ cm}$, $b = 4 \text{ cm}$, $c = 5 \text{ cm}$
(C) $a = 6 \text{ cm}$, $b = 8 \text{ cm}$, $c = 10 \text{ cm}$ (D) $a = 5 \text{ cm}$, $b = 12 \text{ cm}$, $c = 13 \text{ cm}$

Q54) If area of the similar triangles ABC and DEF are 392 cm^2 and 200 cm^2 respectively, then the ratio in corresponding sides AB and DE is -

- (A) 5 : 6 (B) 6 : 5 (C) 5 : 7 (D) 7 : 5

Q55) Two tangents PM and PN are drawn from an external point P to a circle whose centre is O. These tangents touch the circle at M and N. If angle $\text{PON} = 50^\circ$, then angle MPN is equal to?

- (A) 40° (B) 50° (C) 80° (D) 130°

Q56) The radius of sphere is 3 cm, its surface area will be

- (A) $36 \pi \text{ sq.cm}$ (B) $48 \pi \text{ sq.cm}$ (C) $27 \pi \text{ sq.cm}$ (D) $24 \pi \text{ sq.cm}$

Q57) If $\theta = 30^\circ$, then the value of $2 \cos 2\theta$ is

- (A) 2 (B) $\sqrt{3}$ (C) $\sqrt{2}$ (D) 1

Q58) If $\cos 47^\circ = A$, then $\sin 43^\circ$ is equal to

- (A) $1/A$ (B) $-A$ (C) $A - 4$ (D) A

Q59) Frequency distribution is given below :

Class Interval	0 - 10	10 - 20	20 - 30	30 - 40
Frequency	4	6	7	2

Cumulative frequency of class 20 - 30 is

- (A) 10 (B) 17 (C) 19 (D) 7

Q60) If $x + y = 9$ and $xy = 18$, then the value of $x^2 + y^2$ will be

- (A) 36 (B) 45 (C) 25 (D) 24

Q61) Which is the 8th letter to the right of 15th letter from your left in the following series ?

ABCDEFGHIJKLMN**O**PQRSTUVWXYZ

- (A) G (B) H (C) V (D) W

Q62) If BELT is coded as AGKV then how will DRAG be coded ?

- (A) CTZI (B) EQBH (C) ESBH (D) CQZI

Q63) In a certain code language '567' coded as 'Importance and Acme', '364' as - 'Enmity and Friendship', '532' as - 'Importance Friendship business', then

For which word code '3' has been used ?

- (A) Enmity (B) And (C) Friendship (D) Importance

Q64) Find out the word which does not belong to the group

- (A) RNJ (B) XTP (C) MIE (D) ZWR

Q65) Out of the following five alternatives three are same in any way while the rest two are same in any other way. Write the largest number of those two which are same ?

53, 59, 71, 56, 62

- (A) 53 (B) 59 (C) 71 (D) 56

Q66) As 'House' is related to 'Mason', similarly 'Furniture' is related to what ?

- (A) Goldsmith (B) Magician (C) Carpenter (D) None of these

Q67) LO : PK :: IR : ?

- (A) GT (B) SH (C) MN (D) FU

Q68) From the given number series, which ONE term is wrong
 5, 7, 11, 20, 35, 67
 (A) 11 (B) 20 (C) 35 (D) 67

Q69) In the given letter series suggest the correct alternatives for the missing letters
 mno _ p _ no _ p _ n _ opm
 (A) o p m n o (B) p m o m n (C) p m m p n (D) n m o p o

Q70) Ankita is at 25th place from one end in a group of 35 students. What is his position from the other end?
 (A) 10th (B) 11th (C) 12th (D) 15th

Q71) Sonalika goes 12 km towards North from a fixed point and then she goes 8 km towards South from there. In the end she goes 3 km towards East. How far and in what direction is she from her starting point?
 (A) 7 km East (B) 5 km West (C) 7 km West (D) 5 km North- East

Q72) How many 7's are there in the following number series, which are preceded by an even number but not followed by any odd?
 437523721367542742712276572
 (A) One (B) Two (C) Three (D) Four

Q73) Decide which conclusion on the basis of given statements is logically valid
 Statements : All labourers are wrestlers
 All grocers are labourers
 Conclusions : I. All grocers are wrestlers
 II. Some wrestlers are grocers
 III. Some wrestlers are labourers
 IV. Some labourers are grocers
 (A) All (B) Only I and IV (C) Only IV (D) Only II and III

Q74) Which of the numbers would be filled in the blank question marked space

4	8	20
9	3	15
6	6	?

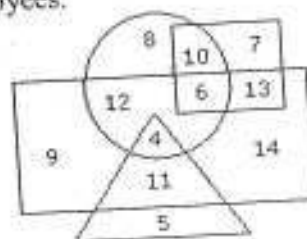
(A) 22 (B) 20 (C) 18 (D) 24

Q75) If + means \div , \div means $-$, $-$ means \times , \times means $+$, then
 $64 + 8 \div 6 - 4 \times 2 = ?$
 (A) 34 (B) 16 (C) ? 14 (D) 24

Q76) From given four alternatives one of them is most essential component for the statement-
 In a country it is necessary-
 (A) Prime Minister (B) Army (C) Area (D) Industry

Directions to solve Q.77 to Q.80.

In the following diagram rectangle represents men, Triangle represents educated, Circle represents urf and square represents government employees.



- Q77) Which one of the following represents the educated men but not urban ?
 (A) 9 (B) 5 (C) 4 (D) 11
- Q78) Which one of the following represents a women who is urban as well as government employee ?
 (A) 7 (B) 13 (C) 10 (D) 6
- Q79) Which one of the following represents men government employees?
 (A) 19 (B) 13 (C) 10 (D) 6
- Q80) Which one of the following represents a total woman government employees ?
 (A) 7 (B) 13 (C) 10 (D) 17
- Q81) Which of the following holds data and processing instructions temporarily until the CPU needs it?
 (A) ROM (B) Control unit (C) Main memory (D) Coprocessor chips
- Q82) Which are the two main components of the CPU?
 (A) Control unit and registers (B) Registers and main memory
 (C) Control unit and ALU (D) ALU and bus
- Q83) Magnetic tape is used for
 (A) Historical storage (B) Computer input (C) Both A and B (D) Neither A and B
- Q84) Which of the following HTML element is used to break the line?
 (A) <line> (B)
 (C) <libreak> (D) <bk>
- Q85) Which of the following is not an attribute of element?
 (A) Color (B) Face (C) Size (D) Archieve
- Q86) Monitor, speaker, earphone are
 (A) Input devices (B) Storage devices (C) Output devices (D) None of the above
- Q87) First step in process of problem solving is to
 (A) design a solution (B) define a problem (C) practicing the solution (D) organizing the data
- Q88) Web Site is collection of
 (A) HTML documents (B) Graphics files (C) Audio and Video files (D) All of the above
- Q89) Which motherboard form factor uses one 20 pin connector?
 (A) ATX (B) AT (C) BABY AT (D) All of the above
- Q90) Part of algorithm which is repeated for the fixed number of times is classified as
 (A) Iteration (B) Selection (C) Sequence (D) Reverse action
- Q91) What symbol is used to represent output in a flowchart?
 (A) Square (B) Circle (C) Parallelogram (D) Triangle
- Q92) Software which allows user to view the webpage is called as _____.
 (A) Operating system (B) Internet Browser (C) Interpreter (D) Website
- Q93) Which of the following is valid Website Address?
 (A) c4learn@.com (B) www.c4learn (C) ww#.c4lcarn.com (D) www.c4learn.com
- Q94) To design webpages we need to use _____.
 (A) Server (B) XML (C) Browser (D) HTML

Q95) Which of the following is an example of search engine?

- (A) Bing (B) Yahoo (C) Alta Vista (D) All of these

Q96) Websites used to sell and buy something are categorized under _____.

- (A) Search engines (B) E-Commerce websites (C) Social networking sites (D) Entertainment sites

Q97) Task of defining the problem is a part of

- (A) System analysis phase (B) System design phase
(C) System implement phase (D) Relevance phase

Q98) After a subroutine has finished its work what will happen?

- (A) The program end
(B) Control is returned / transferred to the caller of the subroutine
(C) Control is transferred to the exit routine
(D) None

Q99) RS-232 is a standard that applies to:

- (A) Serial ports (B) Parallel ports (C) Game ports (D) Network

Q100) is simply the use of electronic means to transfer funds directly from one account to another, rather than by cheque or cash.

- (A) M-Banking (B) O-Banking (C) E-Banking (D) D-Banking

Lab Technician : Computer - Question Paper Set 1

Answer Key

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

Government Polytechnic, Diglipur

A & N Administration

Written test for the post of Lab. Technician (Civil & CSE)

Date of Exam:

Format for Claims & Objections

S.No.	Name of the Post	Name of the Candidate	Roll No.	Question No.	Option	Justification
1						
2						
3						
4						
5						

The filled format to be sent through mail to gpdiglipur@gmail.com