

HARIBHAI V. DESAI ARTS, SCIENCE &amp; COMMERCE COLLEGE, PUNE.

## IQAC 2019 - 20

ACTIVITY REPORT

BBA(CA)

DEPARTMENT/ COMMITTEE/ FACULTY

IQAC ACTIVITY No:

NAME OF THE ACTIVITY: <u>Aptitude test</u>			
DATE	FACULTY	DEPARTMENT/COMMITTEE	COORDINATOR NAME
<u>22-01/2020 to 3/3/2020</u>	<u>Comp. Appl<sup>n</sup></u>	<u>BBA(CA)</u>	<u>Mrs. Shital Kalhapure</u>
TIME	VENUE	NUMBER OF PARTICIPANTS	NATURE: Outdoor/Indoor
	<u>class No: 311</u>		<u>Indoor.</u>
SUPPORT/ASSISTANCE: <u>Ms. sayali Ghodake.</u>			

Ms. Sonali  
Bhapka

BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO. - ):

TOPIC/SUBJECT OF THE ACTIVITY	<u>Aptitude test.</u>
OBJECTIVES	<u>To prepare students for MBA, MCA or interview.</u>
METHODOLOGY	<u>Question papers.</u>
OUTCOMES	<u>Student gain practical knowledge of Reasoning, aptitude &amp; subject.</u>

PROOFS &amp; DOCUMENTS ATTACHED (Tick mark the proofs attached):

1. Notice & Letters ✓	2. Student list of ✓	3. Activity report ✓	4. Photos	5. Feedback form
6. Feedback analysis	7. News clip with details	8. Certificate	9. Any other	10.

IQAC CELL ACTIVITY NUMBER: 

NAME OF TEACHER & SIGNATURE	NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE	VICE PRINCIPALS SIGNATURE	IQAC COORDINATOR (SEAL & SIGNATURE)
<u>Ms. Sonali Bhapka</u> <u>Mrs. Shital Kalhapure</u>	<u>Shital Kalhapure</u>		

The Poona Gujarati Kelawani Mandal's

**HARIBHAI V. DESAI COLLEGE,**

**PUNE 411002.**

Department of Computer Application

## Notice

All the students of T.Y.B.B.A(C. A) are hereby informed that B.B.A(C. A) department is organizing Aptitude Test on Technical and Non-Technical topics From Following schedule:

Day	Date	Time	Subject	Staff
Wednesday	22 <sup>nd</sup> Jan 2020	9.20-10:10	OOP's Concept and JAVA	Shital Kalhapure
Thursday	23 <sup>rd</sup> Jan 2020	9.20-10:10	Mathematic Aptitude	Shital Kalhapure
Friday	24 <sup>th</sup> Jan 2020	9.20-10:10	Database Concept	Sonali Bhapkar
Saturday	1st Feb 2020	1:00-2:00	Logical Reasoning	Sonali Bhapkar
Wednesday	12th Feb 2020	11:30-12:30	Software Engineering	Sayali Ghodake
Saturday	15th Feb 2020	9.20-10:10	Mathematic Aptitude	Sayali Ghodake
Thursday	20 <sup>th</sup> Feb 2020	9.20-10:10	C and C++ concept	Sonali Bhapkar
Saturday	22 <sup>th</sup> Feb 2020	11:30-12:30	Mathematic Aptitude	Sonali Bhapkar
Wednesday	26 <sup>th</sup> Feb 2020	11:30-12:30	Technical Aptitude	Shital Kalhapure
Saturday	29th Feb 2020	11:30-12:30	Non-technical Aptitude	Shital Kalhapure

**Note: Attendance is compulsory**

Co-ordinator:

Asst. Prof. Shital Kalhapure

Asst. Prof. Sonali Bhapkar

*Shital Kalhapure*

Asst. Prof. Shital Kalhapure  
(Co-ordinator)

*Dr. Girish Pathade*

Dr. Girish Pathade  
(Principal)

20/01/2020

The Poona Gujarati Kelawani Mandal's  
**HARIBHAI V. DESAI COLLEGE,**  
**PUNE 411002.**

Department of Computer Application

Aptitude Test - Attendance Sheet

Subject *Mathematic  
Aptitude*

Date : *23<sup>rd</sup> January 2020.*

Roll No.	Name of the Student	Signature
4201	ADHAV KEVIN RICHARD	
4202	BHEGADE SHIVANI SHANKAR	<i>Shivani</i>
4203	BURATE TEJAS RAJENDRA	<i>Tejas</i>
4204	CHILKA PRIYANKA KAILAS	
4205	DAVE MUKUL SANJAY	
4206	DEVGHARKAR PAYAL MAHESH	
4207	DOSHI PURVA HEMANT	
4208	FERNANDEZ HERSCHELLE ULLYSSES	<i>Aditya</i>
4209	JADHAV SANKETH CHANDRAKANT	
4210	JAGTAP ATHARVA VIRAJ	
4211	JAWALKAR NEHA SACHIN	
4212	JOGI SONALI SANJEEV	<i>Sogip</i>
4213	KAKADE YASHASHREE GANESH	<i>Yakade</i>
4214	KAMBLE PURVA RAVINDRA	
4215	KASAT CHINMAY VIVEK	
4216	KASRUNG HRISHIKESH GANESH	<i>Mkasruna</i>
4217	LOHOKARE PRANAV SATISH	
4218	MISHRA SHIVANI RAJKUMAR	<i>Smishra</i>
4219	MODAGE PRANAV VINAYAK	
4220	MORE SALONI SADANAND	<i>Saloni</i>
4221	MOURYA RAVI KANHAYALAL	<i>Ravi</i>
4222	NAGARGOJE SHUBHAM VIJAY	<i>Shubham</i>
4223	PARDESHI MANTHAN AJAY	<i>Manthan</i>
4224	PARDESHI SHWETA VIJAYSINGH	<i>Shweta</i>
4225	PARDESHI VISHAL AMARSINGH	
4226	PATHARE TANUJA BHALCHANDRA	<i>Anuja</i>
4227	PATIL VINAYAK SUBHASH	
4228	PAWAR RITEEK NANDAKISHOR	
4229	PUJARI HANUMANT MALLAPPA	<i>Hanuman</i>
4230	RATHOD SHRADHA RAJESH	<i>Shradha</i>

4231	SAWANT SNEHAL DHANANJAY	<u>Veshi</u>
4232	SIRASAT VRUSHALI TANAJI	
4233	TAKKE SWARALI RAJENDRA	<u>Tipica</u>
4234	TELISARA SIPIKA SURESH	<u>Thakur.</u>
4235	THAKUR NISHANT NITIN	<u>Swamp</u>
4236	TUDME SHIVKANYA DAGDU	<u>Mubhe</u>
4237	UBHE MRUNMAYEE NITIN	
4238	VEER PRASHANT KALYAN	
4239	WADGHULE DURGESH SURESH	
4240	SHINDE AMRUTA BALASAHEB	
4241	Shreyas Vanarase	
4242	Akash More	<u>Akash</u>

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**HARIBHAI V. DESAI COLLEGE,**  
**PUNE 411002.**  
 Department of Computer Application

Aptitude Test- Marksheet

Subject : *Mathematical  
Aptitude*

Date : *23<sup>rd</sup> January 2020*

Roll No.	Name of the Student	Marks
4201	ADHAV KEVIN RICHARD	
4202	BHEGADE SHIVANI SHANKAR	05
4203	BURATE TEJAS RAJENDRA	04
4204	CHILKA PRIYANKA KAILAS	
4205	DAVE MUKUL SANJAY	
4206	DEVGHARKAR PAYAL MAHESH	
4207	DOSHI PURVA HEMANT	
4208	FERNANDEZ HERSCHELLE ULLYSSES	08
4209	JADHAV SANKETH CHANDRAKANT	
4210	JAGTAP ATHARVA VIRAJ	
4211	JAWALKAR NEHA SACHIN	
4212	JOGI SONALI SANJEEV	11
4213	KAKADE YASHASHREE GANESH	04
4214	KAMBLE PURVA RAVINDRA	
4215	KASAT CHINMAY VIVEK	
4216	KASRUNG HRISHIKESH GANESH	06
4217	LOHOKARE PRANAV SATISH	
4218	MISHRA SHIVANI RAJKUMAR	08
4219	MODAGE PRANAV VINAYAK	
4220	MORE SALONI SADANAND	14
4221	MOURYA RAVI KANHAYALAL	10
4222	NAGARGOJE SHUBHAM VIJAY	05
4223	PARDESHI MANTHAN AJAY	05
4224	PARDESHI SHWETA VIJAYSINGH	16
4225	PARDESHI VISHAL AMARSINGH	
4226	PATHARE TANUJA BHALCHANDRA	13
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4232	SIRASAT VRUSHALI TANAJI	18
4233	TAKKE SWARALI RAJENDRA	
4234	TELISARA SIPIKA SURESH	17.
4235	THAKUR NISHANT NITIN	05
4236	TUDME SHIVKANYA DAGDU	08
4237	UBHE MRUNMAYEE NITIN	13
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4239	WADGHULE DURGESH SURESH	
4240	SHINDE AMRUTA BALASAHEB	
4241	Shreyas Vanarase	
4242	Akash More	04

Subject: Aptitude Test  
Name :

Date:  
Roll No.

- 1) What is the time complexity of inserting a node in a doubly linked list?  
2) A.  $O(n \log n)$  B.  $O(\log n)$  C.  $O(n)$  D.  $O(1)$
- 2) What is not a disadvantage of priority scheduling in operating systems?  
A. A low priority process might have to wait indefinitely for the CPU  
B. If the system crashes, the low priority systems may be lost permanently  
C. Interrupt handling D. None of the mentioned
- 3) A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?  
A. Queue B. Circular queue C. Dequeue D. Priority queue
- 4) What is the need for a circular queue?  
A. effective usage of memory B. easier computations  
C. all of the mentioned D. none of the mentioned
- 5) In linked list implementation of a queue, from where is the item deleted?  
A. At the head of link list B. At the centre position in the link list  
C. At the tail of the link list D. None of the mentioned
- 6) What is the space complexity for deleting a linked list?  
A.  $O(1)$  B.  $O(n)$  C. Either  $O(1)$  or  $O(n)$  D.  $O(\log n)$
- 7) Which of the following applications may use a stack?  
A. A parentheses balancing program. B. Tracking of local variables at run time.  
C. Compiler Syntax Analyzer. D. All of the mentioned

Which data structure is needed to convert infix notation to postfix notation?

- A. Branch B. Tree C. Queue D. Stack
- 9) What is the maximum number of possible non zero values in an adjacency matrix of a simple graph with  $n$  vertices?  
A.  $(n^*(n-1))/2$  B.  $(n^*(n+1))/2$  C.  $n^*(n-1)$  D.  $n^*(n+1)$

A connected planar graph having 6 vertices, 7 edges contains \_\_\_\_\_ regions.

- A. 15 B. 3 C. 1 D. 11

Subject: Aptitude Test  
Name :

Date:  
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A. 15 B. 3 C. 1 D. 11

11) What is the advantage of bubble sort over other sorting techniques?

A. It is faster      B. Consumes less memory

C. Detects whether the input is already sorted      D. All of the mentioned

12) The given array is arr = {1,2,4,3}. Bubble sort is used to sort the array elements. How many iterations will be done to sort the array?

A. 4      B. 2      C. 1      D. 0

13) What is the best case complexity of QuickSort?

A.  $O(n \log n)$       B.  $O(\log n)$       C.  $O(n)$       D.  $O(n^2)$

14) In a computational complexity theory, a problem with decision making is said to be NP-complete when it is both in NP and NP-hard. What does NP mean?

A. Non Polynomial time      B. Non-deterministic Probabilistic

C. Non-deterministic Polynomial time      D. Non Probabilistic time

15) What is the disadvantage of selection sort?

A. It requires auxiliary memory      B. It is not scalable

C. It can be used for small keys      D. None of the mentioned

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18) Which of the following is not an advantage of trees?

A. Hierarchical structure      B. Faster search

C. Router algorithms      D. Undo/Redo operations in a notepad

19) What are the applications of binary search?

A. To find the lower/upper bound in an ordered sequence      B. Union of intervals

C. Debugging      D. All of the mentioned

20) In what type of dynamic array do you divide the array into two parts?

A. Hashed Array Tree      B. Geometric Array

C. Bounded-size dynamic array      D. None of the mentioned

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**HARIBHAI V. DESAI COLLEGE,**  
**PUNE 411002.**

Department of Computer Application

Aptitude Test - Attendance Sheet

Subject JAVA

Date 22/1/20

Roll No.	Name of the Student	Signature
4201	ADHAV KEVIN RICHARD	AB
4202	BHEGADE SHIVANI SHANKAR	AB
4203	BURATE TEJAS RAJENDRA	Tejas
4204	CHILKA PRIYANKA KAILAS	Priyanka
4205	DAVE MUKUL SANJAY	AB
4206	DEVGHARKAR PAYAL MAHESH	Payal MD
4207	DOSHI PURVA HEMANT	AB
4208	FERNANDEZ HERSCHELLE ULLYSSES	Hershel
4209	JADHAV SANKETH CHANDRAKANT	AB
4210	JAGTAP ATHARVA VIRAJ	AB
4211	JAWALKAR NEHA SACHIN	AB
4212	JOGI SONALI SANJEEV	S.Sogi
4213	KAKADE YASHASHREE GANESH	Yashashree
4214	KAMBLE PURVA RAVINDRA	P.Kamble
4215	KASAT CHINMAY VIVEK	AB
4216	KASRUNG HRISHIKESH GANESH	H.Kasrun
4217	LOHOKARE PRANAV SATISH	AB
4218	MISHRA SHIVANI RAJKUMAR	Shivani
4219	MODAGE PRANAV VINAYAK	P.V.M.
4220	MORE SALONI SADANAND	Saloni
4221	MOURYA RAVI KANHAYALAL	Ravi
4222	NAGARGOJE SHUBHAM VIJAY	AB
4223	PARDESHI MANTHAN AJAY	Manthan
4224	PARDESHI SHWETA VIJAYSINGH	Shweta
4225	PARDESHI VISHAL AMARSINGH	AB
4226	PATHARE TANUJA BHALCHANDRA	Tanuja
4227	PATIL VINAYAK SUBHASH	AB
4228	PAWAR RITEEK NANDAKISHOR	AB
4229	PUJARI HANUMANT MALLAPPA	AB
4230	RATHOD SHRADHA RAJESH	Shradha

4231	SAWANT SNEHAL DHANANJAY	AB <u>Veghu'</u>
4232	SIRASAT VRUSHALI TANAJI	AB
4233	TAKKE SWARALI RAJENDRA	<u>Fipino</u>
4234	TELISARA SIPIKA SURESH	<u>@thekuke</u>
4235	THAKUR NISHANT NITIN	<u>Scdmf</u>
4236	TUDME SHIVKANYA DAGDU	<u>Mubhe</u>
4237	UBHE MRUNMAYEE NITIN	AB
4238	VEER PRASHANT KALYAN	AB
4239	WADGHULE DURGESH SURESH	<u>Amutei.</u>
4240	SHINDE AMRUTA BALASAHEB	AB
4241	Shreyas Vanarase	AB
4242	Akash More	AB

The Poona Gujarati Kelawani Mandal's  
**HARIBHAI V. DESAI COLLEGE,**  
**PUNE 411002.**

Department of Computer Application

Aptitude Test- Marksheets

Subject Java

Date 22/11/20

Roll No.	Name of the Student	Marks
4201	ADHAV KEVIN RICHARD	AB
4202	BHEGADE SHIVANI SHANKAR	AB
4203	BURATE TEJAS RAJENDRA	15
4204	CHILKA PRIYANKA KAILAS	16
4205	DAVE MUKUL SANJAY	15
4206	DEVGHARKAR PAYAL MAHESH	18/12
4207	DOSHI PURVA HEMANT	AB
4208	FERNANDEZ HERSCHELLE ULLYSSES	13
4209	JADHAV SANKETH CHANDRAKANT	AB
4210	JAGTAP ATHARVA VIRAJ	AB
4211	JAWALKAR NEHA SACHIN	AB
4212	JOGI SONALI SANJEEV	07
4213	KAKADE YASHASHREE GANESH	13
4214	KAMBLE PURVA RAVINDRA	15
4215	KASAT CHINMAY VIVEK	AB
4216	KASRUNG HRISHIKESH GANESH	10
4217	LOHOKARE PRANAV SATISH	AB
4218	MISHRA SHIVANI RAJKUMAR	10
4219	MODAGE PRANAV VINAYAK	13
4220	MORE SALONI SADANAND	11
4221	MOURYA RAVI KANHAYALAL	12
4222	NAGARGOJE SHUBHAM VIJAY	AB
4223	PARDESHI MANTHAN AJAY	06
4224	PARDESHI SHWETA VIJAYSINGH	14
4225	PARDESHI VISHAL AMARSINGH	AB
4226	PATHARE TANUJA BHALCHANDRA	11
4227	PATIL VINAYAK SUBHASH	AB
4228	PAWAR RITEEK NANDAKISHOR	AB
4229	PUJARI HANUMANT MALLAPPA	AB
4230	RATHOD SHRADHA RAJESH	14

4231	SAWANT SNEHAL DHANANJAY	AB
4232	SIRASAT VRUSHALI TANAJI	11
4233	TAKKE SWARALI RAJENDRA	AB
4234	TELISARA SIPIKA SURESH	11
4235	THAKUR NISHANT NITIN	10
4236	TUDME SHIVKANYA DAGDU	10
4237	UBHE MRUNMAYEE NITIN	11
4238	VEER PRASHANT KALYAN	AB
4239	WADGHULE DURGESH SURESH	AB
4240	SHINDE AMRUTA BALASAHEB	08
4241	Shreyas Vanarase	AB
4242	Akash More	AB

Subject: Java programming  
Name :

Date:  
Roll No.

- 1) How do you create a Reader object from an InputStream object?
  - a. Use the static createReader( ) method of InputStream class.
  - b. Use the static createReader( ) method of Reader class.
  - c. Create an InputStreamReader object, passing the InputStream object as an argument to the InputStreamReader constructor.
  - d. Create an OutputStreamReader object, passing the InputStream object as an argument to the OutputStreamReader constructor.
- 2) Which of the following components generate action events?
  - a. Buttons
  - b. Labels
  - c. Check boxes
  - d. Windows
- 3) How would you set the color of a graphics context called g to cyan?
  - a) g.setColor(Color.cyan);
  - b) g.setColor("Color.cyan");
  - c) g.setCurrentColor(cyan);
  - d) g.setColor("cyan");
- 4) Which Component method is used to access a component's immediate Container?
  - a. setVisible()
  - b. getImmediate()
  - c. getParent()
  - d. getContainer()
- 5) Which method is used to set the text of a Label object?
  - a. setText()
  - b. setLabel()
  - c. setTextLabel()
  - d. setLabelText()
- 6) The java virtual Machine creates an instance of the class Class
  - a. True
  - b. False
- 7) The Connection is a java object containing Java \_\_\_\_\_ to access the database.
  - a. Interface
  - b. Classes
  - c. Methods
  - d. None of above
- 8) Which is the data structure used to store sorted map elements ?
  - a. HashSet
  - b. Hashmap
  - c. Map
  - d. TreeMap
- 9) Which of the following are primitive types?
  - a. Byte
  - b. String
  - c. Integer
  - d. Float
- 10) Because finalize () belongs to the java.lang.Object class, it is present in all \_\_\_\_\_.
  - a. objects
  - b. classes
  - c. methods

11) What is an example of polymorphism?  
b. Inner class                      b. Anonymous classes  
d. Method overloading              d. Method overriding

16) Which of the following is not a wrapper class?  
b. String                              b. Integer  
d. Boolean                             d. Character

17) Which of the following classes is used to perform basic console I/O?  
b. System                             b. SecurityManager  
d. Math                                 d. Runtime

18) A class can be converted to a thread by implementing the interface \_\_\_\_  
(a) Thread                            (b) Runnable  
(c) running                          (d) notify

19) What is default layout manager for panels and applets?  
a) Flowlayout                        b) Gridlayout  
c) BorderLayout                     d) none of the above

20) What is the output of relational operator?  
a. Integer                              b. Boolean  
d. Character                          d. String

21) Which component is used to compile, debug and execute java program?  
b. JVM                                 b. JDK  
d. JIT                                  d. JRE

22) Which of the below is invalid identifier with the main method.  
a. public                                b. static  
b. private                               d. final

23) What is stored in the object obj in following lines of code?  
Employee emp;  
a. Memory address of allocated memory of object  
b. Null  
c. Any arbitrary pointer  
d. Garbage

21) Which one of the following is a valid declaration of an applet?  
a) Public class MyApplet extends java.applet.Applet {  
b) Public Applet MyApplet {  
c) Public class MyApplet extends applet implements Runnable {  
d) Abstract class MyApplet extends java.applet.Applet {

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Aptitude Test - Attendance Sheet

Subject Database Concept Date 24/01/2020

Roll No.	Name of the Student	Signature
4201	ADHAV KEVIN RICHARD	AB
4202	BHEGADE SHIVANI SHANKAR	AB
4203	BURATE TEJAS RAJENDRA	Tejas Burate
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4207	DOSHI PURVA HEMANT	AB
4208	FERNANDEZ HERSCHELLE ULLYSSES	Herscelle
4209	JADHAV SANKETH CHANDRAKANT	AB
4210	JAGTAP ATHARVA VIRAJ	Atharva
4211	JAWALKAR NEHA SACHIN	AB
4212	JOGI SONALI SANJEEV	Sonali
4213	KAKADE YASHASHREE GANESH	Yashashree
4214	KAMBLE PURVA RAVINDRA	Purva
4215	KASAT CHINMAY VIVEK	AB
4216	KASRUNG HRISHIKESH GANESH	Hrishikesh
4217	LOHOKARE PRANAV SATISH	AB
4218	MISHRA SHIVANI RAJKUMAR	AB
4219	MODAGE PRANAV VINAYAK	P.V.M
4220	MORE SALONI SADANAND	Saloni
4221	MOURYA RAVI KANHAYALAL	Ravi
4222	NAGARGOJE SHUBHAM VIJAY	Shubham
4223	PARDESHI MANTHAN AJAY	M.A.Jaypardehi
4224	PARDESHI SHWETA VIJAYSINGH	Shweta
4225	PARDESHI VISHAL AMARSINGH	Vishal P.
4226	PATHARE TANUJA BHALCHANDRA	Tanuja
4227	PATIL VINAYAK SUBHASH	AB
4228	PAWAR RITEEK NANDAKISHOR	AB
4229	PUJARI HANUMANT MALLAPPA	Hanumant
4230	RATHOD SHRADHA RAJESH	AB

4231	SAWANT SNEHAL DHANANJAY	AB
4232	SIRASAT VRUSHALI TANAJI	Vaishu
4233	TAKKE SWARALI RAJENDRA	AB
4234	TELISARA SIPIKA SURESH	Sipika
4235	THAKUR NISHANT NITIN	@thakur.
4236	TUDME SHIVKANYA DAGDU	Sudm P
4237	UBHE MRUNMAYEE NITIN	Mubhe
4238	VEER PRASHANT KALYAN	AB
4239	WADGHULE DURGESH SURESH	AB
4240	SHINDE AMRUTA BALASAHEB	AB
4241	Shreyas Vanarase	AB
4242	Akash More	Akash



The Poona Gujarati Kelawani Mandal's  
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**PUNE 411002.**

Department of Computer Application

Aptitude Test- Marksheet

Subject - Database  
Concept

Date 24-1-2020

Roll No.	Name of the Student	Marks
4201	ADHAV KEVIN RICHARD	AB
4202	BHEGADE SHIVANI SHANKAR	AB
4203	BURATE TEJAS RAJENDRA	10
4204	CHILKA PRIYANKA KAILAS	19
4205	DAVE MUKUL SANJAY	AB
4206	DEVGHARKAR PAYAL MAHESH	AB
4207	DOSHI PURVA HEMANT	AB
4208	FERNANDEZ HERSCHELLE ULLYSSES	11
4209	JADHAV SANKETH CHANDRAKANT	AB
4210	JAGTAP ATHARVA VIRAJ	08
4211	JAWALKAR NEHA SACHIN	AB
4212	JOGI SONALI SANJEEV	06
4213	KAKADE YASHASHREE GANESH	06
4214	KAMBLE PURVA RAVINDRA	10
4215	KASAT CHINMAY VIVEK	AB
4216	KASRUNG HRISHIKESH GANESH	09
4217	LOHOKARE PRANAV SATISH	AB
4218	MISHRA SHIVANI RAJKUMAR	AB
4219	MODAGE PRANAV VINAYAK	17
4220	MORE SALONI SADANAND	15
4221	MOURYA RAVI KANHAYALAL	08
4222	NAGARGOJE SHUBHAM VIJAY	09
4223	PARDESHI MANTHAN AJAY	08
4224	PARDESHI SHWETA VIJAYSINGH	16
4225	PARDESHI VISHAL AMARSINGH	AB
4226	PATHARE TANUJA BHALCHANDRA	15
4227	PATIL VINAYAK SUBHASH	AB
4228	PAWAR RITEEK NANDAKISHOR	AB
4229	PUJARI HANUMANT MALLAPPA	09
4230	RATHOD SHRADHA RAJESH	AB

4231	SAWANT SNEHAL DHANANJAY	AB
4232	SIRASAT VRUSHALI TANAJI	19
4233	TAKKE SWARALI RAJENDRA	AB
4234	TELISARA SIPIKA SURESH	17
4235	THAKUR NISHANT NITIN	08
4236	TUDME SHIVKANYA DAGDU	09
4237	UBHE MRUNMAYEE NITIN	14
4238	VEER PRASHANT KALYAN	AB
4239	WADGHULE DURGESH SURESH	AB
4240	SHINDE AMRUTA BALASAHEB	AB
4241	Shreyas Vanarase	AB
4242	Akash More	10

Subject: Database Concept  
Name :

Date:  
Roll No.

1. For each attribute of a relation, there is a set of permitted values, called the \_\_\_\_\_ of that attribute.
  - a) Domain
  - b) Relation
  - c) Set
  - d) Schema
2. Database \_\_\_\_\_ which is the logical design of the database, and the database \_\_\_\_\_ which is a snapshot of the data in the database at a given instant in time.
  - a) Instance, Schema
  - b) Relation, Schema
  - c) Relation, Domain
  - d) Schema, Instance
3. The \_\_\_\_\_ is the one in which the primary key of one relation is used as a normal attribute in another relation.
  - a) Referential relation
  - b) Referencing relation
  - c) Referenced relation
  - d) Referred relation
4. The \_\_\_\_\_ is the one in which the primary key of one relation is used as a normal attribute in another relation.
  - a) Referential relation
  - b) Referencing relation
  - c) Referenced relation
  - d) Referred relation
5. The total participation by entities is represented in E-R diagram as
  - a) Dashed line
  - b) Double line
  - c) Double rectangle
  - d) Circle
6. Subqueries cannot:
  - a) Use group by or group functions
  - b) Retrieve data from a table different from the one in the outer query
  - c) Join tables
  - d) Appear in select, update, delete, insert statements.

6) Commit and rollback are related to .....

- A. data integrity
- B. data consistency
- C. data sharing
- D. data security

7. Which of the following statements contains an error?

- a) Select \* from emp where empid = 10003;
- b) Select empid from emp where empid = 10006;
- c) Select empid from emp;
- d) Select empid where empid = 1009 and lastname = 'GELLER';

8. What type of join is needed when you wish to include rows that do not have matching values?

- a) Equi-join
- b) Natural join
- c) Outer join
- d) All of the mentioned

9. How many tables may be included with a join?

- a) One
- b) Two
- c) Three
- d) All of the mentioned

10. In SQL the statement select \* from R, S is equivalent to

- a) Select \* from R natural join S
- b) Select \* from R cross join S
- c) Select \* from R union join S
- d) Select \* from R inner join S

11. A stored procedure in SQL is a \_\_\_\_\_

- a) Block of functions
- b) Group of Transact-SQL statements compiled into a single execution plan.
- c) Group of distinct SQL statements.
- d) None of the mentioned

12 - Which of the following is not true about the declaration section of a PL/SQL block?

A - This section starts with the DECLARE keyword.

B - It is a mandatory section.

C - It defines all variables, cursors, subprograms, and other elements to be used in the program.

D - None of the above.

13 - Which of the following is true for querying a table in the same trigger?

**A** - The AFTER keyword should be used, because triggers can query the table or change it again only after the initial changes are applied and the table is back in a consistent state.

**B** - The BEFORE keyword should be used, because triggers can query the table or change it again only after the initial changes are applied and the table is back in a consistent state.

**C** - None of the points in a. and b.

**D** - Both of the points in a. and b.

14. which statements are used to control a cursor variable?

- a. OPEN-FOR
- b. FETCH
- c. CLOSE
- d. All mentioned above

15) When creating a function, in which section will you typically find a return key word?

- a. Header Only
- b. Declarative
- c. Executable and Header
- d. Executable and exception handling

16.

A distributed database has which of the following advantages over a centralized database?

- A**. Software cost
- B**. Software complexity
- C**. Slow Response
- D**. Modular growth

17

A heterogeneous distributed database is which of the following?

- A**. The same DBMS is used at each location and data are not distributed across all nodes.
- B**. The same DBMS is used at each location and data are distributed across all nodes.
- C**. A different DBMS is used at each location and data are not distributed across all nodes.
- D**. A different DBMS is used at each location and data are distributed across all nodes.

18

Some of the columns of a relation are at different sites is which of the following?

- A**. Data Replication
- B**. Horizontal Partitioning
- C**. Vertical Partitioning
- D**. Horizontal and Vertical Partitioning

19

Which of the following is a disadvantage of replication?

- A**. Reduced network traffic
- B**. If the database fails at one site, a copy can be located at another site.
- C**. Each site must have the same storage capacity.
- D**. Each transaction may proceed without coordination across the network.

20.. The information about data in a database is called \_\_\_\_\_

- a) Metadata
- b) Hyper data
- c) Tera data
- d) None of the mentioned

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 Department of Computer Application

Aptitude Test - Attendance Sheet

Subject Logical Reasoning Date 01/02/2020

Roll No.	Name of the Student	Signature
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4202	BHEGADE SHIVANI SHANKAR	AB
4203	BURATE TEJAS RAJENDRA	<u>Burate</u>
4204	CHILKA PRIYANKA KAILAS	AB
4205	DAVE MUKUL SANJAY	AB
4206	DEVGHARKAR PAYAL MAHESH	AB
4207	DOSHI PURVA HEMANT	AB
4208	FERNANDEZ HERSHELLE ULLYSSES	<u>Fernandez</u>
4209	JADHAV SANKETH CHANDRAKANT	<u>Jadhav</u>
4210	JAGTAP ATHARVA VIRAJ	AB
4211	JAWALKAR NEHA SACHIN	AB
4212	JOGI SONALI SANJEEV	<u>Jogi</u>
4213	KAKADE YASHASHREE GANESH	<u>Kakade</u>
4214	KAMBLE PURVA RAVINDRA	AB
4215	KASAT CHINMAY VIVEK	AB
4216	KASRUNG HRISHIKESH GANESH	<u>Kasrun</u>
4217	LOHOKARE PRANAV SATISH	AB
4218	MISHRA SHIVANI RAJKUMAR	<u>Mishra</u>
4219	MODAGE PRANAV VINAYAK	AB
4220	MORE SALONI SADANAND	<u>Saloni</u>
4221	MOURYA RAVI KANHAYALAL	<u>Mourya</u>
4222	NAGARGOJE SHUBHAM VIJAY	<u>Nagargoje</u>
4223	PARDESHI MANTHAN AJAY	AB
4224	PARDESHI SHWETA VIJAYSINGH	<u>Pardehi</u>
4225	PARDESHI VISHAL AMARSINGH	AB
4226	PATHARE TANUJA BHALCHANDRA	<u>Pathare</u>
4227	PATIL VINAYAK SUBHASH	AB
4228	PAWAR RITEEK NANDAKISHOR	AB
4229	PUJARI HANUMANT MALLAPPA	AB
4230	RATHOD SHRADHA RAJESH	<u>Rathod</u>

4231	SAWANT SNEHAL DHANANJAY	AB
4232	SIRASAT VRUSHALI TANAJI	<u>Vesha</u>
4233	TAKKE SWARALI RAJENDRA	AB
4234	TELISARA SIPIKA SURESH	<u>SiPika</u>
4235	THAKUR NISHANT NITIN	<u>@thakur.</u>
4236	TUDME SHIVKANYA DAGDU	<u>svdmf</u>
4237	UBHE MRUNMAYEE NITIN	<u>Mubhe</u>
4238	VEER PRASHANT KALYAN	AB
4239	WADGHULE DURGESH SURESH	AB
4240	SHINDE AMRUTA BALASAHEB	AB
4241	Shreyas Vanarase	AB
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Department of Computer Application

Aptitude Test- Marksheets  
Subject - Reasoning

Date - 1/2/2020

Roll No.	Name of the Student	Marks
4201	ADHAV KEVIN RICHARD	16
4202	BHEGADE SHIVANI SHANKAR	AB
4203	BURATE TEJAS RAJENDRA	17
4204	CHILKA PRIYANKA KAILAS	AB
4205	DAVE MUKUL SANJAY	AB
4206	DEVGHARKAR PAYAL MAHESH	AB
4207	DOSHI PURVA HEMANT	15
4208	FERNANDEZ HERSCHELLE ULLYSSES	17
4209	JADHAV SANKETH CHANDRAKANT	AB
4210	JAGTAP ATHARVA VIRAJ	AB
4211	JAWALKAR NEHA SACHIN	09
4212	JOGI SONALI SANJEEV	11
4213	KAKADE YASHASHREE GANESH	AB
4214	KAMBLE PURVA RAVINDRA	AB
4215	KASAT CHINMAY VIVEK	16
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4228	PAWAR RITEEK NANDAKISHOR	AB
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4230	RATHOD SHRADHA RAJESH	18

4231	SAWANT SNEHAL DHANANJAY	AB
4232	SIRASAT VRUSHALI TANAJI	19
4233	TAKKE SWARALI RAJENDRA	AB
4234	TELISARA SIPIKA SURESH	18
4235	THAKUR NISHANT NITIN	14
4236	TUDME SHIVKANYA DAGDU	07
4237	UBHE MRUNMAYEE NITIN	15.
4238	VEER PRASHANT KALYAN	AB
4239	WADGHULE DURGESH SURESH	AB
4240	SHINDE AMRUTA BALASAHEB	AB
4241	Shreyas Vanarase	AB
4242	Akash More	AB



Subject: Reasoning Aptitude

Date:  
Roll No.:

Name : \_\_\_\_\_

- 1) Pointing to a man, a woman said, "His mother is the only daughter of my mother." How is the woman related to the man ?  
A) Sister                      B) Grandfather  
C) Grand Mother              D) Mother
- 2) Which word does NOT belong with the others?  
A. index  
B. glossary  
C. chapter  
D. book
- 3) Which word is the odd man out?  
A. trivial  
B. unimportant  
C. important  
D. insignificant
- 4) If P denotes +, Q denotes \*, R denotes / and S denotes -, then  $18 Q 12 P 4 R 5 S 6 = ?$   
A) 33                      B) 41                      c) 210.8                      D) 63
- 5) ~~26~~ R, U, X, A, D, ?  
A) G    B) I                      c) F                      D) E
- 6) Safe : Secure :: Protect :  
A. Lock  
B. Guard  
C. Sure  
D. Conserve
- 7) Parts : Strap :: Wolf :  
A. Flow  
B. Animal  
C. Wood  
D. Fox
- 8) Absurd : Logical :: Imminent : ?  
A) Avoidable                      B) Unhealthy  
C) Enough                      D) Exhausted

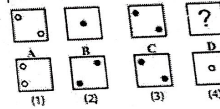
9) Here are some words translated from an artificial language.  
plekapaki means fruitcake  
pakishillen means cakewalk  
treftalan means buttercup

Which word could mean "cupcake"?

- A. shillanalan
- B. treftpleka
- C. pakitreft
- D. alanpaki

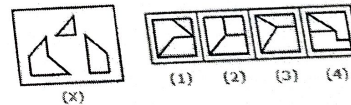
10) Pointing to a photograph, Vipul said, "She is the daughter of my grandfather's only son." How is Vipul related to the girl in the photograph?  
A) Father                      B) Brother                      C) Cousin                      D) Uncle

11) There is some relationship between diagrams A & B. The same relationship persists between C & D. Find the right diagrams for D from the alternatives.



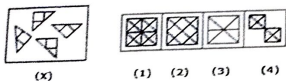
- A) 1                      B) 2                      C) 3                      D) 4

12) Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X).



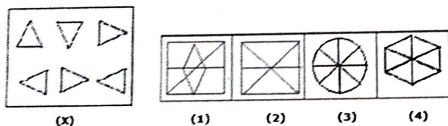
- A. 1  
B. 2  
C. 3  
D. 4

13) Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X).



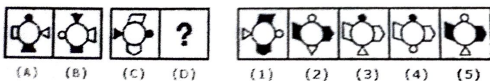
- A. 1
- B. 2
- C. 3
- D. 4

14) Find out which of the figure (a), (b), (c), (d) can be formed from the pieces given in fig. (X).



- A. 1
- B. 2
- C. 3
- D. 4

15) Select a suitable figure from the Answer Figures that would replace the question mark (?).



- A. 1
- B. 3
- C. 2
- D. 5

16) These questions are based on the following information.

- (I) 'A \* B' means 'A is father of B'
  - (II) 'A - B' means 'A is sister of B'
  - (III) 'A + B' means 'A is mother of B'
  - (IV) 'A/B' means 'A is sister of B'
- In the expression  $D + F * O / P$ , how is O related to D?
- A. Grand daughter
  - B. Son
  - C. Grand son
  - D. Daughter

17) Find the missing term:

- 5 10 16 ? 31 40
- A) 21
  - B) 32
  - C) 23
  - D) None of these

18) Choose or find odd word: Garnet , Ruby , Graphite , Emerald , Topaz

- A) Garnet
- B) Ruby
- C) Graphite
- D) Emerald

19) One morning after sunrise, Suresh was standing facing a pole. The shadow of the pole fell exactly to his right. To which direction was he facing?

- A) East
- B) West
- C) South
- D) None of the above

20) A river flows west to east and on the way turns left and goes in a semi-circle round a hillock, and then turns left at right angles. In which direction in the river finally flowing?

- A) East
- B) West
- C) South
- D) North

The Poona Gujarati Kelawani Mandal's  
**HARIBHAI V. DESAI COLLEGE,**  
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 Department of Computer Application

Aptitude Test - Attendance Sheet

Subject- C++ Concept Date- 20/12/2020

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4204	CHILKA PRIYANKA KAILAS	<u>AB</u>
4205	DAVE MUKUL SANJAY	<u>Mukul</u>
4206	DEVGHARKAR PAYAL MAHESH	<u>AB</u>
4207	DOSHI PURVA HEMANT	<u>AB</u>
4208	FERNANDEZ HERSCHELLE ULLYSSES	<u>AB</u>
4209	JADHAV SANKETH CHANDRAKANT	<u>Sanketh</u>
4210	JAGTAP ATHARVA VIRAJ	<u>Atharva</u>
4211	JAWALKAR NEHA SACHIN	<u>AB</u>
4212	JOGI SONALI SANJEEV	<u>AB</u>
4213	KAKADE YASHASHREE GANESH	<u>Yashashree</u>
4214	KAMBLE PURVA RAVINDRA	<u>Purva</u>
4215	KASAT CHINMAY VIVEK	<u>Chinmay</u>
4216	KASRUNG HRISHIKESH GANESH	<u>Hrishikesh</u>
4217	LOHOKARE PRANAV SATISH	<u>Pranav</u>
4218	MISHRA SHIVANI RAJKUMAR	<u>AB</u>
4219	MODAGE PRANAV VINAYAK	<u>AB</u>
4220	MORE SALONI SADANAND	<u>Saloni</u>
4221	MOURYA RAVI KANHAYALAL	<u>Ravi</u>
4222	NAGARGOJE SHUBHAM VIJAY	<u>Shubham</u>
4223	PARDESHI MANTHAN AJAY	<u>Manthan</u>
4224	PARDESHI SHWETA VIJAYSINGH	<u>Shweta</u>
4225	PARDESHI VISHAL AMARSINGH	<u>Pardehi</u>
4226	PATHARE TANUJA BHALCHANDRA	<u>Tanuja</u>
4227	PATIL VINAYAK SUBHASH	<u>V.S. Patil</u>
4228	PAWAR RITEEK NANDAKISHOR	<u>AB</u>
4229	PUJARI HANUMANT MALLAPPA	<u>Hanuman</u>
4230	RATHOD SHRADHA RAJESH	<u>Shradha</u>

4231	SAWANT SNEHAL DHANANJAY	AB
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4235	THAKUR NISHANT NITIN	@thakur.
4236	TUDME SHIVKANYA DAGDU	Sudm P
4237	UBHE MRUNMAYEE NITIN	Mubhe
4238	VEER PRASHANT KALYAN	@veer
4239	WADGHULE DURGESH SURESH	AB
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The Poona Gujarati Kelawani Mandal's  
**HARIBHAI V. DESAI COLLEGE,**  
**PUNE 411002.**

Department of Computer Application

Aptitude Test- Marksheet

Subject- C++ Date- 20/2/2020  
concept

Roll No.	Name of the Student	Marks
4201	ADHAV KEVIN RICHARD	216
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4204	CHILKA PRIYANKA KAILAS	AB
4205	DAVE MUKUL SANJAY	09
4206	DEVGHARKAR PAYAL MAHESH	AB
4207	DOSHI PURVA HEMANT	AB
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4218	MISHRA SHIVANI RAJKUMAR	<del>13</del>
4219	MODAGE PRANAV VINAYAK	AB
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4240	SHINDE AMRUTA BALASAHEB	AB
4241	Shreyas Vanarase	AB
4242	Akash More	AB

Subject: C and C++ Concept  
Name :

Date:  
Roll No.:

1. Which of the following special symbol allowed in a variable name?

- A. \* (asterisk)
- B. | (pipeline)
- C. - (hyphen)
- D. \_ (underscore)

2. Which of the following are unary operators

- A. 1, 2
- B. 1, 3
- C. 2, 4
- D. 1, 2, 3

p) !  
ii) sizeof  
iii) &n  
iv) &&

3. How many times the program will print "IndiaBIX" ?

```
#include<stdio.h>
```

```
int main()  
{  
    printf("IndiaBIX");  
    main();  
    return 0;  
}
```

- A. Infinite times
- B. 32767 times
- C. 65535 times
- D. Till stack overflows

4. The keyword used to transfer control from a function back to the calling function is

- A. switch
- B. goto
- C. go back
- D. return

- A. -1
  - B. 1
  - C. 0
  - D. Yes
- 6.

If the two strings are identical, then strcmp() function returns

- A. -1
- B. 1
- C. 0
- D. Yes

Q6 => C.

7. Which of the following operations can be performed on the file "NOTES.TXT" using the below code?

```
FILE *fp;  
fp = fopen("NOTES.TXT", "r+");
```

- A. Reading
  - B. Writing
  - C. Appending
  - D. Read and Write
- 8.

In C, if you pass an array as an argument to a function, what actually gets passed?

- A. Value of elements in array
- B. First element of the array
- C. Base address of the array
- D. Address of the last element of array

9. What do the 'c' and 'v' in argv stands for?

- A. 'c' means argument control 'v' means argument vector
- B. 'c' means argument count 'v' means argument vertex
- C. 'c' means argument count 'v' means argument vector
- D. 'c' means argument configuration 'v' means argument visibility

10. What will be the output of following program ?

```
#include <stdio.h>
#include <string.h>

int main()
{
    char str[];
    strcpy(str, "Hello");
    printf("%s", str);
    return 0;
}
```

1. Hello
2. Error
3. No Output
4. Null

11) C++ language is the combination of these two languages?

- A. C and Simula67.
- B. C and JAVA.
- C. 3)C and FORTRAN.
- D. 4)C and B.

12) Which is not related to OOPS?

- A. 1)Class and Object.
- B. 2)Constructor and Destructor.
- C. 3)Structure and Union.
- D. 4)Inheritance and Polymorphism.

13) What is a class?

- A. A user defines data type.
- B. An array of objects.
- C. Both 1 and 2.
- D. A real world entity.

14) What will be the output of this program?

```
#include <iostream>
using namespace std;

class sample
{
    int x;
};

int main()
{
    sample obj;
    obj.x=100;
    cout<<"x="<<obj.x<<endl;
}
```

- A. x=10
- B. Error

15) Where a protected member can be accessed?

- A. Within the same class
- B. Outside of the class
- C. Within the Derived class
- D. Both 1 and 3

16) Which is correct sentence regarding structure and class in c?

- A. Both are same in C++.
- B. By default structure's members are public and class's members are private.
- C. Structure does not support function declaration within its declaration while class supports.
- D. Both 2 and 3.

17) Which concept of OOP creates a hierarchy of classes?

- A. Enumeration
- B. Abstraction
- C. Inheritance
- D. None of the above

18) What is multiple inheritance?

- A. Creating multiple classes
- B. Deriving a derived class from more than one base class
- C. Deriving a derived class from base class
- D. Deriving a base class from derived class

19) Which header file is required to use setw() function?

- A. conio.h
- B. iostream.h
- C. stdlib.h
- D. <omanip.h

20) Which is the correct statement to print the value of age?

```
#include <iostream.h>
int main()
{
    int age=19;
    .....
    return 0;
}
```

- A. cout << "Age: %d", age;
- B. cout << "Age: %d" << age;
- C. cout << "Age: " + age;
- D. cout << "Age: " << age;



The Poona Gujarati Kelawani Mandal's  
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Department of Computer Application

**Aptitude Test - Attendance Sheet**

Subject- Math's

Date- 22/2/2020

Roll No.	Name of the Student	Signature
4201	ADHAV KEVIN RICHARD	AB
4202	BHEGADE SHIVANI SHANKAR	AB
4203	BURATE TEJAS RAJENDRA	AB
4204	CHILKA PRIYANKA KAILAS	AB
4205	DAVE MUKUL SANJAY	<del>ADHAR</del>
4206	DEVGHARKAR PAYAL MAHESH	Puyal
4207	DOSHI PURVA HEMANT	Doshi
4208	FERNANDEZ HERSCHELLE ULLYSSES	AB
4209	JADHAV SANKETH CHANDRAKANT	AB
4210	JAGTAP ATHARVA VIRAJ	AB
4211	JAWALKAR NEHA SACHIN	AB
4212	JOGI SONALI SANJEEV	AB
4213	KAKADE YASHASHREE GANESH	yycakade
4214	KAMBLE PURVA RAVINDRA	AB
4215	KASAT CHINMAY VIVEK	kasat
4216	KASRUNG HRISHIKESH GANESH	AB
4217	LOHOKARE PRANAV SATISH	AB
4218	MISHRA SHIVANI RAJKUMAR	Mishra
4219	MODAGE PRANAV VINAYAK	AB
4220	MORE SALONI SADANAND	AB
4221	MOURYA RAVI KANHAYALAL	AB
4222	NAGARGOJE SHUBHAM VIJAY	AB
4223	PARDESHI MANTHAN AJAY	Manthan
4224	PARDESHI SHWETA VIJAYSINGH	Shweta
4225	PARDESHI VISHAL AMARSINGH	Vishal
4226	PATHARE TANUJA BHALCHANDRA	AB
4227	PATIL VINAYAK SUBHASH	AB
4228	PAWAR RITEEK NANDAKISHOR	AB
4229	PUJARI HANUMANT MALLAPPA	H.Pujari
4230	RATHOD SHRADHA RAJESH	Rathod

4231	SAWANT SNEHAL DIHANANJAY	AB
4232	SIRASAT VRUSHALI TANAJI	<u>Vrushali</u>
4233	TAKKE SWARALI RAJENDRA	AB
4234	TELISARA SIPIKA SURESH	<u>SiPIka</u>
4235	THAKUR NISHANT NITIN	<u>Thakur.</u>
4236	TUDME SHIVKANYA DAGDU	AB
4237	UBHE MRUNMAYEE NITIN	AB
4238	VEER PRASHANT KALYAN	AB
4239	WADGHULE DURGESH SURESH	AB
4240	SHINDE AMRUTA BALASAHEB	<u>Amruta.</u>
4241	Shreyas Vanarase	AB
4242	Akash More	AB.

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**HARIBHAI V. DESAI COLLEGE,**  
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 Department of Computer Application

Aptitude Test- Marksheet

Subject- Maths Date- 22/2/2020

Roll No.	Name of the Student	Marks
4201	ADHAV KEVIN RICHARD	AB
4202	BHEGADE SHIVANI SHANKAR	AB
4203	BURATE TEJAS RAJENDRA	AB
4204	CHILKA PRIYANKA KAILAS	AB
4205	DAVE MUKUL SANJAY	16
4206	DEVGHARKAR PAYAL MAHESH	11
4207	DOSHI PURVA HEMANT	09
4208	FERNANDEZ HERSCHELLE ULLYSSES	AB
4209	JADHAV SANKETH CHANDRAKANT	AB
4210	JAGTAP ATHARVA VIRAJ	AB
4211	JAWALKAR NEHA SACHIN	AB
4212	JOGI SONALI SANJEEV	AB
4213	KAKADE YASHASHREE GANESH	09
4214	KAMBLE PURVA RAVINDRA	AB
4215	KASAT CHINMAY VIVEK	17
4216	KASRUNG HRISHIKESH GANESH	AB
4217	LOHOKARE PRANAV SATISH	AB
4218	MISHRA SHIVANI RAJKUMAR	15
4219	MODAGE PRANAV VINAYAK	AB
4220	MORE SALONI SADANAND	AB
4221	MOURYA RAVI KANHAYALAL	AB
4222	NAGARGOJE SHUBHAM VIJAY	AB
4223	PARDESHI MANTHAN AJAY	14
4224	PARDESHI SHWETA VIJAYSINGH	15
4225	PARDESHI VISHAL AMARSINGH	15
4226	PATHARE TANUJA BHALCHANDRA	AB
4227	PATIL VINAYAK SUBHASH	AB
4228	PAWAR RITEEK NANDAKISHOR	AB
4229	PUJARI HANUMANT MALLAPPA	14
4230	RATHOD SHRADHA RAJESH	16
4231	SAWANT SNEHAL DHANANJAY	AB
4232	SIRASAT VRUSHALI TANAJI	17

4233	TAKKE SWARALI RAJENDRA	AB
4234	TELISARA SIPIKA SURESH	17
4235	THAKUR NISHANT NITIN	14
4236	TUDME SHIVKANYA DAGDU	AB
4237	UBHE MRUNMAYEE NITIN	AB
4238	VEER PRASHANT KALYAN	AB
4239	WADGHULE DURGESH SURESH	AB
4240	SHINDE AMRUTA BALASAHEB	12
4241	Shreyas Vanarase	AB
4242	Akash More	AB

Subject: Mathematic Aptitude  
Name :

Date:  
Roll No.

- 1) One year ago, the ratio of Sooraj's and Vimal's age was 6:7. Four years hence, this ratio would become 7:8. How old is Vimal?
- A. 36  
B. 32  
C. 34  
D. 38
- 2) The total age of A and B is 12 years more than the total age of B and C. C is younger than A by:
- A. 11 years    B. 13 years  
C. 12 years    D. 10 years
- 3) Second Saturday and every Sunday is a holiday. How many working days will be there in a month of 30 days beginning on a Saturday?
- A. 18 B. 21  
C. 23 D. 24
- 4) If the length of a rectangle is halved and its breadth is tripled, what is the percentage change in its area?
- A. 50% increase    B. 25% increase  
C. 25% decrease    D. 50% decrease
- 5) Find the odd man out. 12,24,34,48,64,84
- A. 34    B. 24  
C. 48    D. 12

6) How many of the following numbers are divisible by 132?

264, 396, 462, 792, 968, 2178, 5184, 6336

- A. 8    B. 4  
C. 3    D. 6

7) What is the sum of first 200 natural numbers?

- A. 19901    B. 19900  
C. 20100    D. 20120

8) X and Y invest Rs.21000 and Rs.17500 respectively in a business. At the end of the year, they make a profit of Rs.26400. What is the share of X in the profit?

- A. Rs.12000    B. Rs.12500  
C. Rs.26400    D. Rs.14400

9) The price of 80 apples is equal to that of 120 oranges. The price of 60 apples and 75 oranges together is Rs. 1320. The total price of 25 apples and 40 oranges is

- A. Rs. 780    B. Rs. 660  
C. Rs. 620    D. Rs. 820

10) The price of 3 tables and 4 chairs is Rs. 3300. With the same money one can buy 2 tables and 10 chairs. If one wants to buy 1 table and 1 chair, how much does he need to pay?

- A. Rs. 950    B. Rs. 1050  
C. Rs. 1040    D. Rs. 940

11) In a group of ducks and cows, the total number of legs is 28 more than twice the number of heads. Find the total number of cows.

- A. 14                      B. 12  
C. 16                      D. 8

12) If  $a-b=6$  and  $a^2+b^2=116$ , then what is the value of  $ab$ ?

- A. 80                      B. 60  
C. 40                      D. 20

13) room has equal number of men and women. Eight women left the room, leaving twice as many men as women in the room. What was the total number of men and women present in the room initially?

- A. 34                      B. 32  
C. 28                      D. 30

14) Two trains are running in opposite directions in the same speed. The length of each train is 120 metre. If they cross each other in 12 seconds, the speed of each train (in km/hr) is

- A. 42                      B. 36  
C. 28                      D. 20

15) P, Q and R can do a work in 20, 30 and 60 days respectively. How many days does it need to complete the work if P does the work and he is assisted by Q and R on every third day?

- A. 15 days    B. 9 days  
C. 10 days    D. 14 days

16) A can do a particular work in 6 days. B can do the same work in 8 days. A and B signed to do it for Rs. 3200. They completed the work in 3 days with the help of C. How much is to be paid to C?

- A. Rs. 600    B. Rs. 420  
C. Rs. 400    D. Rs. 380

17) What decimal of an hour is a second ?

- A) .0025                      B).0256  
C) .00027                      D) .000126

18)

$$.009 = .01$$

- ?  
A. .0009  
B. .09  
C. .9  
D. 9

19) Today is Monday. After 61 days, it will be:

- A. Wednesday  
B. Saturday  
C. Tuesday  
D. Thursday

20) 3 pumps, working 8 hours a day, can empty a tank in 2 days. How many hours a day must 4 pumps work to empty the tank in 1 day?

- A. 9  
B. 10  
C. 11  
D. 12

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Department of Computer Application

Aptitude Test - Attendance Sheet

Subject- *Technical Aptitude*

Date- *31/3/20*

Roll No.	Name of the Student	Signature
4201	ADHAV KEVIN RICHARD	
4202	BHEGADE SHIVANI SHANKAR	
4203	BURATE TEJAS RAJENDRA	
4204	CHILKA PRIYANKA KAILAS	
4205	DAVE MUKUL SANJAY	
4206	DEVGHARKAR PAYAL MAHESH	
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4209	JADHAV SANKETH CHANDRAKANT	
4210	JAGTAP ATHARVA VIRAJ	
4211	JAWALKAR NEHA SACHIN	<i>N.S. Jawalkar</i>
4212	JOGI SONALI SANJEEV	
4213	KAKADE YASHASHREE GANESH	<i>Y.Kakade</i>
4214	KAMBLE PURVA RAVINDRA	<i>K.Kamble</i>
4215	KASAT CHINMAY VIVEK	
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4223	PARDESHI MANTHAN AJAY	<i>M.Manthan</i>
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4232	SIRASAT VRUSHALI TANAJI	
4233	TAKKE SWARALI RAJENDRA	
4234	TELISARA SIPIKA SURESH	<u>@theKuv-</u>
4235	THAKUR NISHANT NITIN	
4236	TUDME SHIVKANYA DAGDU	
4237	UBHE MRUNMAYEE NITIN	
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The Poona Gujarati Kelawani Mandal's  
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Department of Computer Application

Aptitude Test- Marksheet

Subject- Technical Aptitude Date- 31/3/20

Roll No.	Name of the Student	Marks
4201	ADHAV KEVIN RICHARD	
4202	BHEGADE SHIVANI SHANKAR	
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4210	JAGTAP ATHARVA VIRAJ	
4211	JAWALKAR NEHA SACHIN	05
4212	JOGI SONALI SANJEEV	
4213	KAKADE YASHASHREE GANESH	05
4214	KAMBLE PURVA RAVINDRA	08
4215	KASAT CHINMAY VIVEK	
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4228	PAWAR RITEEK NANDAKISHOR	
4229	PUJARI HANUMANT MALLAPPA	09
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4232	SIRASAT VRUSHALI TANAJI	

4233	TAKKE SWARALI RAJENDRA	
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4235	THAKUR NISHANT NITIN	08
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4239	WADGHULE DURGESH SURESH	
4240	SHINDE AMRUTA BALASAHEB	
4241	Shreyas Vanarase	
4242	Akash More	

- 1) The binary equivalent of the decimal number 125 is  
a) 1100100    b) 1111101    c) 1101100    d) 1111111
- 2) The decimal number 1356 expressed in octal system equals  
a) 2514    b) 125    c) 353    d) 235
- 3) Which of the following fraction is smallest?  
a)  $\frac{23}{28}$   
b)  $\frac{14}{15}$   
c)  $\frac{15}{19}$   
d)  $\frac{21}{24}$
- 4) The value of  $\frac{4.5 \times 1.8 + 4.5 \times 8.2}{1.5 \times 4.5 + 1.5 \times 5.5}$   
a) 10    b) 8    c) 5    d) 3
- 5) The square root of  $(2011)_5$  is  
a)  $(21)_5$     b)  $(31)_5$     c)  $(121)_5$     d)  $(41)_5$
- 6) If  $A : B = 4 : 7$  and  $B : C = 5 : 9$  then  $A : B : C$  is :  
a) 20 : 35 : 63    b) 35 : 36 : 63    c) 30 : 35 : 65    d) 25 : 34 : 68
- 7) A wheel rotates 10 times every minute and moves 20 cm during each rotation. How many metres does the wheel move in one hour?  
a) 6 metre    b) 12 metre    c) 120 metre    d) 1200 metre
- 8) Some ladies can do a piece of work in 12 days. Two times the number of such ladies will do half of that work in :  
a) 6 days    b) 4 days    c) 12 days    d) 3 days
- 9) A person borrowed Rs. 600 @ 3% per annum S.I and Rs. 800 @  $4\frac{1}{2}$  % per annum on the agreement that the whole sum will be returned only when the total interest becomes Rs. 246. The number of years, after which the borrowed sum is to be returned, is  
a) 2 years    b) 3 years    c) 4 years    d) 5 years
- 10) At what rate of compound interest per annum will a sum of Rs. 1200 become Rs. 1348.32 in 2 years?  
a) 6%    b) 6.5%    c) 7%    d) 7.5%
- 11) The decimal fraction 0.75 in the binary system equals  
a) 0.11    b) 0.00    c) 0.10    d) 0.111
- 12) The compound interest on Rs. 30,000 at 7% per annum is Rs. 4347. The period (in years) is:  
a) 2    b)  $2\frac{1}{2}$     c) 3    d) 4