Q1. A alone can complete a work in 12 days. A and B together can complete it in 8 days. How long will B alone take to complete the work?

a) 24 days b) 18 days c) 16 days d) 20 days

Q2. A and B together can do a piece of work in 12 days while A alone can do the same work in 30 days. B alone can do it in:

a) 18 days b) 20 days c) 15 days d) 22 days

Q3. If 42 persons consume 144 kg of wheat in 15 days, then in how many days will 30 persons consume 45 kg of wheat?

a) 8 days b) 7 days c) 12 days d) 6 days

Q4. A canal of a village can be cleaned by 24 villagers in 12 days. The number of days in which 36 villagers can clean the canal is:

a) 18 days b) 16 days c) 8 days d) 72 days

Q5. A can do a piece of work in 4 days and B can do it in 12 days. In how many days will they finish the work, both working together?

a) 4 days b) 6 days c) 2 days d) 3 days

Q6. A can finish a work in 7 days. B can finish the same work in 9 days. The number days required to finish the same work by both of them together is:

a) 31/16 b) 47/16 c) 63/16 d) 73/16

Q7. 15 men take 21 days of 8 hour each to do a piece of work. How many days of 6 hours each would it take for 21 women. If 3 women do as much work as 2 men?

a) 15 b) 20 c) 25 d) 30

Q8. If 6 men cut 12 trees in 8 days working 8 hour then how many days can 12 man cut the 48 trees working 8 hour per day?

a) 8 days b) 10 days c) 12 days d) 16 days

Q9. Ram can polish the floor of a building in 20 days. Find the work done by Ram in one day.

a) 1/20 b) 3/16 c) 16 d) 16/3

Q10. 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) 8 days b) 6 days c) 4 days d) 7 days

Q11. If a total Distance of journey is 120 km. If one goes by 60 km/h & come back at 40 km/h, what is the average speed of journey?

a) 50 km/h b) 40 km/h c) 48 km/h d) None of these

Q12. Convert the speed 20m/sec into km/h:

a) 72 km/h b) 25 km/h c) 259.2 km/h d) 209.2 km/h

Q13. A person crosses a 600 m long street in 5 minutes, what is his speed in km per hour?

a) 3.6km/h b) 7.2 km/h c) 8.4 km/h d) 10 km/h

Q 14. A and B together can finish a job in 24 days, while A, B and C together can finish the same job in 8 days. C alone will finish the job in:

a) 12 days b) 14 days c) 16 days d) 24 days

Q15. A and B can do a job in 6 and 12 days respectively. They began the work together but A leaves after 3 days. Then the total number of days needed for the completion of the work is:

a) 4 days b) 5 days c) 6 days d) 9 days

Q16. Which of the following should not be a part of resume:

a) Employment history b) Contact information c) Religious affiliation d) Education background

Q17. Which of the following resume components is where you should state your career goal?

a) Profile b) Objective c) Summary d) Extracurricular background

Q18. In which section would you most likely include your bilingual skills?

a) Education b) Contact Information c) Employment History d) Additional Information

Q19. The resume of a fresh graduate is normally on how many pages?
a) Three-page b) Two- page c) Half of page d) One page
Q20. Which of these topics is also covered on many resumes?
a) Criminal Record b) Family Background c) Language d) None of the above
Q21. Which of the following is considered unprofessional?
a) Font size b) Font style c) Coloured font d) All of the above
Q22. A chronological resume commonly called as:
a) Reverse b) Forward c) Functional d) Combination
Q23. What are the advantages of participating in a group discussion:
a) Improve your communication and teamwork skills.
b) Learn new things and broaden your perspective.
c) Develop critical thinking and problem-solving skills.
d) All of the above
Q24. Which type of topics we can discuss in a group discussion
a) Case/ Abstract b) Informal c) Only political d) Only abstract
Q25. What is the best way to summarize a group discussion?
a) Identify the key points that were discussed.
b) Restate the group's consensus (if there is one).
c) Suggest next steps for the group to take.
d) All of the above
Q26. Which of these qualities are important in a group discussion?
a) Emotional Intelligence. b) Hostility c) Ignorance d) Aggressiveness
Q27. Which of these must be avoided in a group discussion?
a) Speaking facts b) Asking question c) Speaking fast d) Speaking with clarity
Q28. Discussion involves communication.
a) One way b) Two-way c) Three- way d) Four- way
Q29. Hybrid resume also known as
a) simple resume b) Indian resume c) complicated resume d) none of these
Q30. What is a group discussion?
a) A formal meeting in which a group of people discuss a topic.
b) An informal conversation between a group of people.
c) A debate between two or more people.
d) A presentation by a group of people to a larger audience.

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SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
DELHI-NCR CAMPUS, GHAZIABAD (U.P)

Academic Year: 2023-24 (Even) **SET – A**

Test : Internal Examination I
Course Code & Title : Introduction to Computing with Distributed Data Processing(UDS23201J)
Year & Sem : I Year II Sem

Date & Session : 31 Jan, 2024 [FN]
Duration:01 Hour 30 Mins

Max. Marks: 50

Part - A

Answer all questions **(9Q x 2M = 18 Marks)**

Q. No	Question	Marks	BL	CO	PO
1.	What is the difference between Distributed Database Management System and Distributed Data Storage.	2	1	1	2
2.	Define Distributed Processing in short.	2	1	1	3
3.	Write a command in SQL to Create a table of name Student_Info with column name St_Id, St_Name, St_Course, St_DOB.	2	1	2	4
4.	What are the features of DFS.	2	2	2	4
5.	Define these terms in short: I. Platform-as-a-service, II. Software-as-a-service	2	3	3	3
6.	What do you understand by DBMS? What are the applications of DBMS?	2	3	2	5
7.	Discuss about Heterogeneous distributed databases.	2	1	3	3
8.	Define NFS.	2	2	3	4
9.	Sketch and define Distributed Database Architecture	2	2	2	1

Part B

Answer all questions **2Q x 16M = 32 Marks**

11.	(A) Define Distributed System. Describe their characteristics and goals.	16	1	1	2
	(OR)				
	(B) Define Cloud Computing. Describe in details about IaaS, PaaS, SaaS?	16	2	2	3
12.	(A) What do you understand by Distributed database Management System? Also describe the functions of distributed database system.	16	2	2	3
	(OR)				
	(B) Describe these terms : (i) Distributed Transaction (ii) Distributed Storage (iii) File Replication (iv) Andrew File System	16	3	3	5

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Academic Year: 2023-24 (EVEN) **SET – B**

RA2331242030020

Test : Internal Examination I	**Date & Session : 01/02/2024 & FN**
Course Code & Title : Fundamentals of Data Structures and Algorithms (UDS23202J)	**Duration: 1:30 Hours**
Year &Sem : I Year / II Semester	**Max. Marks: 50**

Part - A

Answer all questions **(9Q x 2M = 18 Marks)**

Q. No	Question	Marks	BL	CO	PO
1	Define the term "algorithm" and provide an example.	2	1	1	1
2	Discuss the LIFO (Last In, First Out) property in a stack.	2	2	1	2
3	Explain the concept of a one-dimensional array and how it is stored in memory.	2	2	3	5
4	Implement a stack using an array and provide code for push and pop operations.	2	1	3	2
5	Name two types of queues commonly used in DSA.	2	1	1	4
6	Differentiate between arrays and linked lists in terms of memory and performance.	2	2	4	5
7	Define Recursion with proper example.	2	2	1	6
8	Describe Header circular list and importance of Header.	2	1	1	1
9	List out the applications of queue.	2	4	2	2
	Part B				
	Answer all questions	**2Q x 16M = 32 Marks**			
10. (A)	What is "Time complexity" and "space complexity"? Explain.	16	1	2	6
	(OR)				
	(B)Implement a doubly linked list and design an algorithm to reverse every k nodes. Provide the implementation details, time complexity analysis, and demonstrate with examples.	16	1	2	5
11.	(A)What is "Queue"? Explain the operations on queue with algorithm.	16	1	3	7
	(OR)				
	(B) Write a Program in C to insert an element at a specific location in an Array	16	3	4	5

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Academic Year: 2023-24 (EVEN) SET – B

Reg.NO: RA2332420300020.

Test	**: Internal Examination I**	**Date & Session : 30/01/2024 (FN)**
Course Code & Title	**: Environmental Studies (UES23AE1T)**	**Duration: 1 Hour 30 Mins**
Year & Sem	**: I Year & II Sem**	**Max. Marks: 50**

Part – A

Answer all questions **(9Q x 2M = 18 Marks)**

Q. No	Question	Marks	BL	CO	PO
1.	What are mineral resources and their types?	2	1	1	1
2.	Define the food web with a neat and clean sketch.	2	1	2	1
3.	What is the Tropic Level? Illustrate with a diagram.	2	1	2	1
4.	How are the people involved in Environmental Conservation practices?	2	2	1	2
5.	What are natural resources-related problems?	2	1	2	1
6.	What is habitat loss and how do we recover it?	2	1	2	2
7.	What is the concept of an Ecosystem?	2	1	2	1
8.	What are terrestrial ecosystem and its types?	2	2	2	2
9.	What are biodiversity and its value?	2	2	2	1

Part B

	Answer all questions	**2Q x 16M = 32 Marks**			
11.	(A) Explain the role of individuals in the conservation of natural resources.	16	1	1	1
	(OR)				
	(B) Explain energy resources and their role in sustainable development.	16	2	1	1
12.	(A) Explain Hotspots of biodiversity and India as a mega-diversity nation.	16	2	2	1
	(OR)				
	(B) Explain biodiversity at global, national and local levels.	16	1	2	1

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Academic Year: 2023-24 (EVEN) SET – A

RA2331242030020

Test : Internal Examination I	**Date & Session : 02-02-2024 & FN**
Course Code & Title : UDS23203T & Role of Statistics in AI	**Duration: 1 Hour 30 Mins**
Year & Sem : 2024 & II	**Max. Marks: 50**

Part - A

Answer all questions **(9Q x 2M = 18 Marks)**

Q. No	Question	Marks	BL	CO	PO
1	Define descriptive statistics?	2	1	1	1,2
2	What are kind of measure of central tendency?	2	2	1	1,2
3	Find the arithmetic mean of the first 10 prime numbers.	2	3	2	1,2
4	Find the median for the data 8, 5, 7, 10, 15, 21.	2	3	2	1,2
5	Compute the mode 16, 18, 22, 16, 15, 16, 14, 10, 11, 16.	2	3	1	1,2
6	What do you mean by the measure of dispersion?	2	2	2	1,2
7	Calculate mean deviation from mean for the following data, 10 15, 20, 25, 36, 49, 50, 60,75	2	3	2	1,2
8	What is correlation coefficient?	2	1	2	1,2
9	Explain pie chart?	2	1	1	1,2

Part B

Answer all questions **2Q x 16M = 32 Marks**

11. (A) Find the mean for the following distribution — 16 | 3 | 1 | 1,2

x	15	21	27	30	35
f:	3	5	6	7	8

(OR)

(B) Find the median for the following data: — 16 | 3 | 2 | 1,2

CI:	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Frequency:	7	10	10	20	20	15	8

12. (A) Find standard deviation of the following data: — 16 | 3 | 1 | 1,2

CI:	0-20	20-40	40-60	60-80
Frequency:	4	12	20	24

(OR)

(B) Draw ogives for the following data. — 16 | 3 | 2 | 1,2

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No. of Students	3	9	15	30	18	5

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SRM Institute of Science and Technology
Department of Computer Applications
Delhi-NCR Campus, Modinagar, Ghaziabad
Set A

Test : Internal Examination-I **Session: 2023-24 (Even Sem.)**
Course Code & Title: ULF23G02J/FRENCH-II **Duration: 1 Hour 30 Min.**
Year & Sem. : 1st Year /2nd Sem. **Max. Marks: 50**

PART-A
Toutes les questions sont obligatoires (9Q x 2M= 18 Marks)

Q. No.		Marks	BL	CO	PO
1.	Écrivez la réponse en toutes lettres : (a) 14+4 -7 =_____ (b) 34+22-9 =_____	2	2	1	12
2.	La capitale de la France est : (a) Nantes. (b) Lyon (c) Montpellier. (d) Paris	2	2	1	1
3.	La monnaie utilisée en France, c'est. (a) Dollar. (b) Euro (c) Franc (d) Rupee	2	2	1	1
4.	Écrivez les professions en français : (a) Actor (b) Baker (masculin)	2	2	2	6
5.	Choisissez les nombre correct en lettre : 91 (a)Quatre vingt- un (b) Quatre vingts onze (c) quatre dix-neuf (d) soixante	2	2	1	2
6.	La France se situe en..... ? (a)Asie (b) Europe (c) Africa (d) North America	2	2	2	1
7.	Trouvez la question. (a) C'est une chanteuse. (b) C'est un livre.	2	2	2	11
8.	Comment on dit <<Merci beaucoup>> en anglais. (a) Nice to meet you (b) Welcome (c) See you soon (d) thank you so much	2	2	1	4
9.	Mettez la forme correcte de l'adjectif : a. Elles sont_____de venir ici. (Content) b. Il est_____(triste)	2	2	2	2

PART-B

Toutes les questions sont obligatoires (2Q x 16M= 32 Marks)

10.	(a) Présentez- vous en français en 15-20 lignes ?	16	2	2	7
	Où				
	(b) Conjuguez les verbes suivants les pronominaux verbs :	16	2	1	6
	1 Se Souvenir (5) Se laver				
	2 S'amuser (6) Se raser				
	3 Se lever (7) Se doucher				
	4 Se promener (8) Se coucher				
11.	(a) Écrivez la routine votre quotidienne en 15-20 lignes	16	2	2	6
Où					
	Complétez avec les adjectifs démonstratifs.	16	2	1	10
	(a) C"est toi qui as écrit _____ lettre?				
	(b) Tu ne connais pas _____ homme				
	(c) Il est où _____ université ?				
	(d) Ce toi qui as écrit _____ lettre?				
	(e) J"aime beaucoup _____ roman américain				
	(f) Le livre est _____ table.				
	(g) Le TGV 9288 est parti à 17h45_____ TGV est en retard.				
	(h) J'aime beaucoup l'appartement de Sacha_____ est très beau.				

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