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## **UGC NET Exam**

**Computer Science and Applications** 

# Simplifying **Government Exams**



## **PAPER-II**

	COMPUTER SCIENCE	AP	ID APPL		1110	JNS				
Si	gnature and Name of Invigilator									
1.		OMR Sheet No.:								
	(Name)	(To be filled by the Candidate)								
2.		R	Roll No.							
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_	umber of Pages in this Booklet : 8		Nur	nber (	of Que	estion	s in t	his B	ookle	t: <b>50</b>
	Instructions for the Candidates			परीक्षा	र्थियों व	र्म लिए	निर्देश	<del></del>		
1.	Write your roll number in the space provided on the top of	1.	इस पृष्ठ के ऊप						लिखिए	1
	this page.	2.	इस प्रश्न-पत्र में	पचास	बहविकर	त्र्पीय प्रः	श्न हैं ।	l		
	This paper consists of fifty multiple-choice type of questions.	3.	परीक्षा प्रारम्भ ह	होने पर,	प्रश्नू-पु	स्तिका्	आ्पको	दे दी	जायेगी	्र पहले
3.	At the commencement of examination, the question booklet		पाँच मिनट आ	पको प्रः	रन-पुस्ति	का खो	लने त	था उसव	ही निम्न	गेलेखित
	will be given to you. In the first 5 minutes, you are requested		जाँच के लिए वि							
	to open the booklet and compulsorily examine it as below: (i) To have access to the Question Booklet, tear off the		(i) प्रश्न-पुस्ति	का खाल	1न का <del>}ं</del>	ભ <b></b>	loh oho <del>Ti</del> Tr	Iर पज <del>टिच्य</del> -	पर लगा	। कागज
	paper seal on the edge of this cover page. Do not accept		की सील पुस्तिका स	का फार्	ड़ल। <del>उक्ते</del> ।	યુલા	हुइ या	।वना र	ऱ्टाकर-स	নাপ কা
	a booklet without sticker-seal and do not accept an open		(ii) कवर पृष्ठ				- गण्न	गरितक	ர க <del>ொ</del>	स्ट नशा
	booklet.		प्रश्नों की	, ५ <b>२</b> ७ संख्या	को अ	च्छीत	्रहरू रह चै	नु।रराज्य ककर	, ज, टू लेंकि	चे परे
	(ii) Tally the number of pages and number of questions		हैं। दोषप्	ार्ण परि	तका जि	नमें पृष	ठ/प्रश्न	कम हो	ं यादः	बारा आ
	in the booklet with the information printed on the		गये हों य	ू । सीरि	यल में	न हों	अर्थात्	किसी	भी प्रव	नार की
	cover page. Faulty booklets due to pages/questions		त्रटिपर्ण	पस्तिक	ज स्वीव	तार न	करें र	तथा उ	सी सम	ाय उसे
	missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately		लौटाकर इसके लिए	उसके स	थान्पर	r_दूसरी	्रसही	प्रश्न्-पुरि	स्तिका व	लेलें।
	by a correct booklet from the invigilator within the		इसके लिए	र आपव	र्ह्या पाँच	मिनट	दिये ज्	नायेगे ।	. उसके	बाद न
	period of 5 minutes. Afterwards, neither the Question		तो आपकी				ला जाय	ग्गा आ	र न हा	आपका
	Booklet will be replaced nor any extra time will be		<b>अतिरिक्त</b> (iii) इस जाँच व	समय	।६था ज ∩MDा	।थगा । जिस्स	<del>)</del> æn -	ர்வா ச	בסוו וד	गरिन्न
	given.		पर अंकित			नत्रक क	। फ्रम	लख्या ३	א אלח-	-પુાસ્તાળા
	(iii) After this verification is over, the OMR Sheet Number	4.	प्रत्येक प्रश्न के			तेकल्प	(A) (	B) (C	) तथा (	D) हिये
1	should be entered on this Test Booklet. Each item has four alternative responses marked (A), (B), (C)		गये हैं । आपक	। ो सही उ	. उ.,.र. उत्तर के	वत्त को	पेन से	<i>)</i> , (८, भरकर	, स. स. 'काला	करना है
⊣.	and (D). You have to darken the circle as indicated below on		जैसा कि नीचे वि							
	the correct response against each item.		उदाहरण :A	(B)		D				
	Example: (A) (B) (D)		जबकि (C) सही	उत्तर है	हें ।					
	where (C) is the correct response.	5.	प्रश्नों के उत्तर <b>के</b>							
5.	Your responses to the items are to be indicated in the <b>OMR</b>		अंक्रित करने हैं	। यदि ः	आप ON	AR पत्र	क पर् रि	देये गये	वृत्त के	अलावा
	Sheet given inside the Paper I Booklet only. If you mark		किसी अन्य स्था	न पर उ	उत्तर । चह	-नााकत	करत	ह, ता उ	स्सका मृ	्रल्याकन
	at any place other than in the circle in the OMR Sheet, it will not be evaluated.	6	नहीं होगा । अन्दर दिये गये	<del>चिटें कों</del>	को ध्या	गार्वक	तम् ।			
6.	Read instructions given inside carefully.	6. 7.	कच्चा काम (Ro					अन्तिम	: पष्टर प	र करें।
	Rough Work is to be done in the end of this booklet.	8.	यदि आप OMI							
	If you write your Name, Roll Number, Phone Number or put	0.	नम्बर, फोन नम्ब							
	any mark on any part of the OMR Sheet, except for the space		सके, <sup>'</sup> अंकित क							
	allotted for the relevant entries, which may disclose your		अन्य अनुचित र							
	identity, or use abusive language or employ any other unfair means such as change of response by scratching or using		उत्तर को ्रिमटान्				बदल	ना तो	परीक्षा व	के लिये
	white fluid, you will render yourself liable to disqualification.	_	अयोग्य घोषित वि					<u>.</u>		
9.	You have to return the test question booklet and Original	9.	आपको परीक्षा							
	OMR Sheet to the invigilators at the end of the examination		निरीक्षक महोदय उसे अपने साथ							
	compulsorily and must not carry it with you outside the		परीक्षा समाप्ति प							
	Examination Hall. You are, however, allowed to carry original question booklet and duplicate copy of OMR Sheet on		प्रति अपने साथ				ΟΙ	14	111	3 11110
	conclusion of examination.	10.	केवल नीले/का	ले बाल	प्वाईट	पेन क	जहीं इ	इस्तेमाल	1 करें	ı
10.	Use only Blue/Black Ball point pen.	11.	किसी भी प्रकार	र का सं	गणके (	कैलकुल	नेटर) य	ा लाग	टेबल अ	गदि का
11.	Use of any calculator or log table etc., is prohibited.		प्रयोग वर्जित है	- 1	,	•	,			
12.	There is no negative marks for incorrect answers.	12.	गलत उत्तरों के	लिए को	इं नकार	ात्मक ः	अक नह	हो है ।		

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12. There is no negative marks for incorrect answers.

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P.T.O.

#### COMPUTER SCIENCE AND APPLICATIONS

#### Paper – II

Note: This paper contains fifty (50) objective type questions of two (2) marks each. All questions are compulsory.

- 1. Infrared signals can be used for short range communication in a closed area using propagation. ground (A) (B) line of sight (C) (D) space
- 2. A bridge has access to \_ address in the same network.
  - (A) Physical
- (B) Network
- Datalink (C)
- (D) Application
- 3. The minimum frame length 10 Mbps Ethernet is \_\_\_\_\_ bytes and maximum is \_\_\_\_\_ bytes.
  - (A) 64 & 128
- (B) 128 & 1518
- (C) 1518 & 3036 (D) 64 & 1518
- The bit rate of a signal is 3000 bps. If 4. each signal unit carries 6 bits, the baud rate of the signal is
  - 500 baud/sec (A)
  - 1000 baud/sec (B)
  - 3000 baud/sec (C)
  - 18000 baud/sec.
- 5. Match the following:

#### List - I List – II

- a. Physical layer
- i. Allow resources to network access
- b. Datalink layer
- ii. Move packets from one destination to
- c. Network layer
- iii. Process to process message delivery
- d. Transport layer
- iv. Transmission of bit stream of
- e. Application v. Formation frames Layer

#### **Codes:**

- b c d e ii iii i (A) iv V
- i ii iii (B)  $\mathbf{v}$ iv i iii ii iv v
- (C) (D) i ii iv iii  $\mathbf{V}$

- 6. A grammar G is LL(1) if and only if the following conditions hold for two distinct productions  $A \rightarrow \alpha \mid \beta$ 
  - First  $(\alpha) \cap \text{First } (\beta) \neq \{a\} \text{ where }$ a is some terminal symbol of the grammar.
  - II. First  $(\alpha) \cap \text{First } (\beta) \neq \lambda$
  - First  $(\alpha) \cap \text{Follow } (A) = \emptyset \text{ if } \lambda \in$ III. First (B)
  - (A) I and II
- I and III (B)
- II and III (C)
- (D) I, II and III
- 7. Which of the following suffices to convert an arbitrary CFG to an LL(1) grammar?
  - Removing left recursion alone
  - (B) Removing the grammar alone
  - (C) Removing left recursion and factoring the grammar
  - None of the above (D)
- A shift reduce parser suffers from 8.
  - (A) shift reduce conflict only
  - reduce reduce conflict only (B)
  - (C) both shift reduce conflict and reduce reduce conflict
  - shift handle and reduce handle (D) conflicts
- 9. The context free grammar for the language  $L = \{a^n b^m c^k \mid k = \ln - m\},\$ n > 0, m > 0, k > 0 is
  - (A)  $S \rightarrow S_1S_3$ ,  $S_1 \rightarrow aS_1c \mid S_2 \mid \lambda$ ,  $S_2 \rightarrow aS_2bl\lambda, S_3 \rightarrow aS_3bl S_4 l \lambda,$  $S_4 \rightarrow bS_4 cl\lambda$
  - (B)  $S \rightarrow S_1S_2$ ,  $S_1 \rightarrow aS_1S_2c \mid \lambda$ ,  $\mathrm{S_2} \rightarrow \mathrm{aS_2bl}\lambda,\, \mathrm{S_3} \rightarrow \mathrm{aS_3bl} \,\, \mathrm{S_4} \,\, \mathrm{l}\lambda,$  $S_4 \rightarrow bS_4 cl\lambda$
  - (C)  $S \rightarrow S_1 | S_2, S_1 \rightarrow aS_1 S_2 c + \lambda,$  $S_2 \rightarrow aS_2b \mid \lambda, S_3 \rightarrow aS_3b \mid S_4 \mid \lambda,$  $S_4 \rightarrow bS_4 cl\lambda$
  - (D)  $S \rightarrow S_1 \mid S_3, S_1 \rightarrow aS_1clS_2 \mid \lambda$ ,  $S_2 \rightarrow aS_2b \mid \lambda, S_3 \rightarrow a S_3b \mid S_4 \mid \lambda,$  $S_A \rightarrow bS_A c \mid \lambda$

- 10. The regular grammar for the language  $L = \{w|n_a(w) \text{ and } n_b(w) \text{ are both even,} \\ w \in \{a, b\}^*\} \text{ is given by :} \\ \text{(Assume, p, q, r and s are states)}$ 
  - (A)  $p \rightarrow aq \mid br \mid \lambda, q \rightarrow bs \mid ap$   $r \rightarrow as \mid bp, s \rightarrow ar \mid bq, p \text{ and } s$ are initial and final states.
  - (B)  $p \rightarrow aq \mid br, q \rightarrow bs \mid ap$   $r \rightarrow as \mid bp, s \rightarrow ar \mid bq, p and s$ are initial and final states.
  - (C)  $p \rightarrow aq \mid br \mid \lambda, q \rightarrow bs \mid ap$   $r \rightarrow as \mid bp, s \rightarrow ar \mid bq$ p is both initial and final states.
  - (D)  $p \rightarrow aq \mid br, q \rightarrow bs \mid ap$   $r \rightarrow as \mid bp, s \rightarrow ar \mid bq$ p is both initial and final states.
- 11. KPA in CMM stands for
  - (A) Key Process Area
  - (B) Key Product Area
  - (C) Key Principal Area
  - (D) Key Performance Area
- 12. Which one of the following is not a risk management technique for managing the risk due to unrealistic schedules and budgets?
  - (A) Detailed multi source cost and schedule estimation.
  - (B) Design cost
  - (C) Incremental development
  - (D) Information hiding
- of a system is the structure or structures of the system which comprise software elements, the externally visible properties of these elements and the relationship amongst them.
  - (A) Software construction
  - (B) Software evolution
  - (C) Software architecture
  - (D) Software reuse
- **14.** In function point analysis, the number of complexity adjustment factors is
  - (A) 10
- (B) 12
- (C) 14
- (D) 20

- **15.** Regression testing is primarily related to
  - (A) Functional testing
  - (B) Development testing
  - (C) Data flow testing
  - (D) Maintenance testing
- **16.** How many different truth tables of the compound propositions are there that involve the propositions p & q?
  - (A) 2
- (B) 4
- (C) 8
- (D) 16
- **17.** A Boolean function F is called self-dual if and only if

$$F(x_1, x_2, \dots x_n) = F(\overline{x}_1, \overline{x}_2, \dots \overline{x}_n)$$

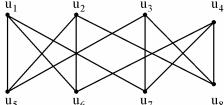
How many Boolean functions of degree n are self-dual?

- (A)  $2^n$
- (B)  $(2)^{2^n}$
- (C)  $(2)^{n^2}$
- (D)  $(2)^{2^{n-}}$
- **18.** Which of the following statement(s) is (are) not correct?
  - i. The 2's complement of 0 is 0.
  - ii. In 2's complement, the left most bit cannot be used to express a quantity.
  - iii. For an n-bit word (2's complement) which includes the sign bit, there are  $2^{n-1}$  positive integers,  $2^{n+1}$  negative integers and one 0 for a total of  $2^n$  unique states.
  - iv. In 2's complement the significant information is contained in the 1's of positive numbers and 0's of the negative numbers.
  - (A) i & iv
- (B) i & ii
- (C) iii
- (D) iv
- 19. The notation  $\exists !xP(x)$  denotes the proposition "there exists a unique x such that P(x) is true".

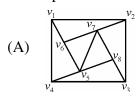
Give the truth values of the following statements:

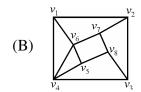
- I.  $\exists !xP(x) \rightarrow \exists xP(x)$
- II.  $\exists !x \neg P(x) \rightarrow \neg \forall x P(x)$
- (A) Both I & II are true.
- (B) Both I & II are false.
- (C) I false, II true
- (D) I true, II false

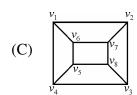
- **20.** Give a compound proposition involving propositions p, q and r that is true when exactly two of p, q and r are true and is false otherwise.
  - (A)  $(p \lor q \land \neg r) \land (p \land \neg q \land r) \land (\neg p \land q \land r)$
  - (B)  $(p \land q \land \neg r) \land (p \lor q \land \neg r) \land (\neg p \land q \land r)$
  - (C)  $(p \land q \land \neg r) \lor (p \land \neg q \land r) \land (\neg p \land q \land r)$
  - (D)  $(p \land q \land \neg r) \lor (p \land \neg q \land r) \lor (\neg p \land q \land r)$
- **21.** Consider the graph given below as:

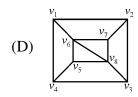


Which one of the following graph is isomorphic to the above graph?









- 22. The upper bound and lower bound for the number of leaves in a B-tree of degree K with height h is given by:
  - (A)  $K^h$  and  $2 \lceil K / 2 \rceil^{h-1}$
  - (B)  $K*h \text{ and } 2\lfloor K/2 \rfloor^{h-1}$
  - (C)  $K^h$  and  $2\lfloor K/2 \rfloor^{h-1}$
  - (D)  $K*h \text{ and } 2^{\lceil K/2 \rceil}^{h-1}$

- 23. Consider a complete bipartite graph  $k_{m,n}$ . For which values of m and n does this, complete graph have a Hamilton circuit
  - (A) m = 3, n = 2 (B) m = 2, n = 3
  - (C)  $m = n \ge 2$  (D)  $m = n \ge 3$
- **24.** Big-O estimates for the factorial function and the logarithm of the factorial function i.e. n! and log n! is given by
  - (A) O(n!) and O(n log n)
  - (B)  $O(n^n)$  and  $O(n \log n)$
  - (C) O(n!) and O(log n!)
  - (D)  $O(n^n)$  and  $O(\log n!)$
- **25.** How many cards must be chosen from a deck to guarantee that atleast
  - i. two aces of two kinds are chosen.
  - ii. two aces are chosen.
  - iii. two cards of the same kind are chosen.
  - iv. two cards of two different kinds are chosen.
  - (A) 50, 50, 14, 5 (B) 51, 51, 15, 7
  - (C) 52, 52, 14, 5 (D) 51, 51, 14, 5
- **26.** Match the following with respect to the mobile computing technologies :

List – I List – II

a. GPRS

i. An integrated digital radio standard

b. GSM ii. 3G wireless/Mobile technology

c. UMTS iii. Nine different schemes for modulation and error correction

d. EDGE iv. An emerging wireless service that offers a mobile data

#### Codes:

a b c d (A) iii iv ii i

(B) iv i ii iii

(C) ii iii iv i

(D) ii i iv iii

- 27. Object Request Broker (ORB) is
  - I. A software program that runs on the client as well as on the application server.
  - II. A software program that runs on the client side only.
  - III. A software program that runs on the application server, where most of the components reside.
  - (A) I, II & III
- (B) I & II
- (C) II & III
- (D) I only
- **28.** A software agent is defined as
  - I. A software developed for accomplishing a given task.
  - II. A computer program which is capable of acting on behalf of the user in order to accomplish a given computational task.
  - III. An open source software for accomplishing a given task.
  - (A) I
  - (B) II
  - (C) III
  - (D) All of the above
- **29.** Match the following:

### List – I List – II a. Classification i. Principal

component analysis

- b. Clustering ii. Branch and Bound
- c. Feature Extraction
- iii. K-nearest neighbour
- d. Feature Selection
- iv. K-means

#### **Codes:**

	a	b	c	d
(A)	iii	iv	ii	i
(B)	iv	iii	i	ii
(C)	iii	iv	i	ii
(D)	iv	iii	ii	i

- **30.** SET, an open encryption and security specification model that is designed for protecting credit card transactions on the internet, stands for
  - (A) Secure Electronic Transaction
  - (B) Secular Enterprise for Transaction
  - (C) Security Electronic Transmission
  - (D) Secured Electronic Termination
- 31. In a paged memory management algorithm, the hit ratio is 70%. If it takes 30 nanoseconds to search Translation Look-aside Buffer (TLB) and 100 nanoseconds (ns) to access memory, the effective memory access time is
  - (A) 91 ns
- (B) 69 ns
- (C) 200 ns
- (D) 160 ns

**32.** Match the following:

#### List – I

#### List – II

- a. Multilevel feedback queue
- i. Time-slicing
- b. FCFS
- ii. Criteria to move processes between queues
- c. Shortest process next
- iii. Batch processing
- d. Round robin scheduling
- robin iv. Exponential smoothening

#### **Codes:**

- a b c d (A) i iii ii iv (B) iv iii ii i
- (C) iii i iv (D) ii iii iv
- Consider a system with five processes P<sub>0</sub> through P<sub>4</sub> and three resource types R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub>. Resource type R<sub>1</sub> has 10 instances, R<sub>2</sub> has 5 instances and R<sub>3</sub> has 7 instances. Suppose that at time

system has been taken:

#### Allocation

 $T_0$ , the following snapshot of the

	milocution				
	$\mathbf{R_1}$	$R_2$	$R_3$		
$\mathbf{P_0}$	0	1	0		
$\mathbf{P}_{1}$	2	0	0		
$P_2$	3	0	2		
$P_3$	2	1	1		
p	0	2	2		

#### Max

R <sub>1</sub> 7 3 9 2 4	<b>R</b> <sub>2</sub> 5 2 0 2 3	$\mathbf{R}_{3}$
7	5	3 2 2 2 2 3
3	2	2
9	0	2
2	2	2
4	3	3

#### Available

$R_1$	$R_2$	$\mathbf{R}_3$		
3	3	2.		

Assume that now the process  $P_1$  requests one additional instance of type  $R_1$  and two instances of resource type  $R_3$ . The state resulting after this allocation will be (A) Ready state (B) Safe state

- (C) Blocked state (D) I
- (B) Safe state(D) Unsafe state

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34.	Match	the	toll	OW1ng	•
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#### List – I

#### List – II

- a. Contiguous allocation
- i. This scheme supports very large file sizes.
- b. Linked allocation
- ii. This allocation technique supports only sequential files.
- c. Indexed allocation
- iii. Number of disks required to access file is minimal.
- d. Multi-level indexed
- iv. This technique suffers from maximum wastage of space in storing pointers.

#### **Codes:**

	a	b	c	d
(A)	iii	iv	ii	i
(B)	iii	ii	iv	i
(C)	i	ii	iv	iii
(D)	i	iv	ii	iii

- **35.** Which of the following commands will output "onetwothree"?
  - (A) for val; do echo-n \$val; done < one two three
  - (B) for one two three; do echo-n-; done
  - (C) for n in one two three; do echo-n \$n; done
  - (D) for n in one two three  $\{echo -n \ n\}$
- **36.** Mergesort makes two recursive calls. Which statement is true after these two recursive calls finish, but before the merge step?
  - (A) The array elements form a heap.
  - (B) Elements in each half of the array are sorted amongst themselves.
  - (C) Elements in the first half of the array are less than or equal to elements in second half of the array.
  - (D) All of the above
- 37. A text is made up of the characters  $\alpha$ ,  $\beta$ ,  $\gamma$ ,  $\delta$  and  $\sigma$  with the probability 0.12, 0.40, 0.15, 0.08 and 0.25 respectively. The optimal coding technique will have the average length of
  - (A) 1.7
- (B) 2.15
- (C) 3.4
- (D) 3.8

- 38. Searching for an element in the hash table requires O(1) time for the \_\_\_\_\_ time, whereas for direct addressing it holds for the \_\_\_\_\_ time.
  - (A) worst-case, average
  - (B) worst-case, worst-case
  - (C) average, worst-case
  - (D) best, average
- **39.** An algorithm is made up of 2 modules  $M_1$  and  $M_2$ . If time complexity of modules  $M_1$  and  $M_2$  are h(n) and g(n) respectively, the time complexity of the algorithm is
  - (A)  $\min (h(n), g(n))$
  - (B)  $\max (h(n), g(n))$
  - (C) h(n) + g(n)
  - (D) h(n) \* g(n)
- **40.** What is the maximum number of parenthesis that will appear on the stack at any one time for parenthesis expression given by

  - (A) 2 (B) 3
  - (C) 4 (D) 5
- **41.** Match the following :

#### List – I

#### List - II

- a. Automatic storage class
- i. Scope of the variable is global.
- b. Register storage class
- ii. Value of the variable persists between different function calls.
- c. Static storage class
- iii. Value stored in memory and local to the block in which the variable is defined.
- d. External iv. storage class
- iv. Value stored in CPU registers.

#### Codes:

(D) iv

	a	b	c	d
(A)	iii	iv	i	ii
(B)	iii	iv	ii	i
(C)	iv	iii	ii	i

iii

i

ii

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- **42.** When we pass an array as an argument to a function, what actually gets passed?
  - (A) Address of the array
  - (B) Values of the elements of the array
  - (C) Base address of the array
  - (D) Number of elements of the array
- **43.** While (87) printf("computer");

The above C statement will

- (A) print "computer" 87 times
- (B) print "computer" 0 times
- (C) print "computer" 1 times
- (D) print "computer" infinite times
- **44.** A friend function can be used to
  - (A) avoid arguments between classes.
  - (B) allow access to classes whose source code is unavailable.
  - (C) allow one class to access an unrelated class.
  - (D) None of the above
- **45.** Which of the following is the correct value returned to the operating system upon the successful completion of a program?
  - $(A) \quad 0$
  - (B) 1
  - (C) 1
  - (D) Program do not return a value.
- **46.** Manager's salary details are hidden from the employee. This is called as
  - (A) Conceptual level data hiding
  - (B) Physical level data hiding
  - (C) External level data hiding
  - (D) Local level data hiding

- **47.** Which of the following statements is false?
  - (A) Any relation with two attributes is in BCNF.
  - (B) A relation in which every key has only one attribute is in 2NF.
  - (C) A prime attribute can be transitively dependent on a key in 3NF relation.
  - (D) A prime attribute can be transitively dependent on a key in BCNF relation.
- 48. A clustering index is created when
  - (A) primary key is declared and ordered
  - (B) no key ordered
  - (C) foreign key ordered
  - (D) there is no key and no order
- **49.** Let  $R = \{A, B, C, D, E, F\}$  be a relation schema with the following dependencies  $C \rightarrow F, E \rightarrow A, EC \rightarrow D, A \rightarrow B$

Which of the following is a key for R?

- (A) CD
- (B) EC
- (C) AE
- (D) AC
- **50.** Match the following:

List – II

- a. DDL
- i. LOCK TABLE
- b. DML
- ii. COMMIT
- c. TCL
- iii. Natural Difference
- d. BINARY Operation
- iv. REVOKE
- Codes:

odes :

- a b c d
  (A) ii i iii iv
- (B) i ii iv iii
- (C) iii ii i iv
- (D) iv i ii iii

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