Exported On *	2022/11/21 15:18:57
Title *	Question Paper Answer Key
OES Exam *	GPSC08202224 / Assistant Professor in Computer Engineering/ Completed / 2022-11-19

1

Question Description	Why is the snowflake schema applied?
A	Transformation
B	Aggregation
C	Normalization
D	Generalization
E	None of the above
Correct Answer	C
Marks	1

2

Question Description	Which of the following statements are TRUE about an SQL query?
	P: An SQL query can contain a HAVING clause even if it does not have a GROUP BY clause
	Q: An SQL query can contain a HAVING clause only if it has a GROUP BY clause
	R: All attributes used in the GROUP BY clause must appear in the SELECT clause
	S: Not all attributes used in the GROUP BY clause need to appear in the SELECT clause
A	P and R
B	P and S
C	Q and R
D	Q and S
E	None of the above
Correct Answer	C
Marks	1

3

Question Description	Which characteristics are taken together in chromaticity?
A	Hue and Saturation
B	Hue and Brightness
C	Saturation, Hue, and Brightness
D	Saturation and Brightness
E	None of the above
Correct Answer	A
Marks	1

4

Question Description	Consider the intermediate code given below.
	(1) i = 1
	(2) j = 1
	(3) t1 = 5 $*$ i
	(4) t2 = t1 + j
	(5) t3 = 4 $*$ t2
	(6) t4 = t3
	(7) a[t4] = -1
	(8) j = j + 1
	(9) if j<=5 goto (3)
	(10) i=i+1
	(11) if i<5 goto (2)
	The number of nodes and edges in the control-flow-graph constructed for the above code, respectively, are
A	5 and 7
B	6 and 7
C	5 and 8
D	7 and 8
E	None of the above
Correct Answer	B

5	Question Description	The number of tokens in the following C statement is: printf("i = %d, &i = %x",i, &i);
	A	8
	B	9
	C	10
	D	11
	E	None of the above
	Correct Answer	C
	Marks	1

6

Question Description	Given the following statements:
	S1: A foreign key declaration can always be replaced by an equivalent check assertion in SQL.
	S2: Given the table R(a,b,c) where a and b together form the primary key, the following is a valid table definition.
	CREATE TABLE S (
	a INTEGER,
	d INTEGER,
	e INTEGER,
	PRIMARY KEY (d),
	FOREIGN KEY (a) references R)
	Which one of the following statements is CORRECT?
A	S1 is TRUE, S2 FALSE
B	Both S1 and S2 are TRUE
C	S1 is FALSE , S2 is TRUE
D	Both S1 and S2 are FALSE

E	None of the above
Correct Answer	D
Marks	1

7	**Question Description**	Consider allocation of memory to a new process. Assume that none of the existing holes in the memory will exactly fit the process's memory requirement. Hence, a new hole of smaller size will be created if allocation is made in any of the existing holes. Which one of the following statements is TRUE?
	A	The hole created by worst fit is always larger than the hole created by first fit
	B	The hole created by best fit is never larger than the hole created by first fit
	C	The hole created by first fit is always larger than the hole created by next fit
	D	The hole created by next fit is never larger than the hole created by best fit
	E	None of the above
	Correct Answer	B
	Marks	1

8	Question Description	Which of the following header of HTTP response provides control over caching?
	A	Date
	B	Last Modified
	C	Cache control
	D	Expires
	E	None of the above
	Correct Answer	C
	Marks	1

9	Question Description	Which data structure in a compiler is used for managing information about variables and their attributes?
	A	Symbol Table
	B	Abstract Syntax Tree
	C	Parse Table
	D	Semantic stack
	E	None of the above
	Correct Answer	A
	Marks	1

Question Description	The protocol data unit (PDU) for the application layer in the Internet stack is
A	Segment
B	Datagram
C	Message
D	Frame
E	None of the above
Correct Answer	C
Marks	1

Question Description	Which of the following assertions is FALSE about the Internet Protocol (IP)?
A	It is possible for a computer to have multiple IP addresses
B	IP packets from the same source to same destination can take different routes in the network
C	IP ensures that a packet is discarded if it is unable to reach its destination within a given number of hops
D	The packet source cannot set the route of an outgoing packets, the route is determined only by the routing tables in the routers on the way
E	None of the above
Correct Answer	D
Marks	1

12 12

Question Description	Match all items in Group 1 with correct options from those given in Group 2.
	Group 1
	P. Regular expression
	Q. Pushdown automata
	R. Dataflow analysis
	S. Register allocation
	Group 2
	1. Syntax analysis
	2. Code generation
	3. Lexical analysis
	4. Code optimization
A	P-3,Q-1,R-4,S-2
B	P-4,Q-1,R-2,S-3
C	P-3,Q-4,R-1,S-2
D	P-2,Q-1,R-4,S-3
E	None of the above

13	Question Description	Choose the correct relationship of cloud services to customers.
	A	1:1
	B	1:N
	C	N:1BILI
	D	M:N
	E	None of the above
	Correct Answer	B
	Marks	1

14	Question Description	In the following pairs of OSI protocol layer/sub-layer and its functionality, the INCORRECT pair is:
	A	Network layer and Routing
	B	Transport Layer and End to End communication
	C	Data Link Layer and Bit synchronization
	D	Medium access control sublayer and Channel sharing
	E	None of the above
	Correct Answer	C
	Marks	1

15	Question Description	Suppose we are using dimensionality reduction as pre-processing technique, i.e, instead of using all the features, we reduce the data to k dimensions with PCA. And then use these PCA projections as our features. Which of the following statement is correct?
	A	Higher 'k' means more regularization
	B	Higher 'k' means less regularization
	C	A and B is false
	D	A and B is true
	E	None of the above
	Correct Answer	B
	Marks	1

16		
Question Description		One of the purposes of using intermediate code in compilers is to
A		make parsing and semantic analysis simpler.
B		improve error recovery and error reporting.
C		increase the chances of reusing the machine-independent code optimizer in other compilers.
D		improve the register allocation.
E		None of the above
Correct Answer		C
Marks		1

17		
Question Description		What is the HTTP Code Related to Internal Server Error?
A		500
B		501
C		502
D		504
E		None of the above
Correct Answer		A
Marks		1

18	**Question Description**	Which of the following neural network is an auto-associative network?
	A	that has no loops
	B	that has feedback
	C	that has only one loop
	D	a single layer feed-forward neural network with pre-processing
	E	None of the above
	Correct Answer	B
	Marks	1

19	Question Description	Which of the following statement(s) is / are correct regarding Bellman-Ford shortest path algorithm?
		P: Always finds a negative weighted cycle, if one exists.
		Q: Finds whether any negative weighted cycle is reachable from the source.
	A	P only
	B	Both P and Q
	C	Q only
	D	Neither P or Q
	E	None of the above
	Correct Answer	C
	Marks	1

20		
Question Description		Among the following, functions that can be performed by digital image processing is?
A		Fast image storage and retrieval
B		Controlled viewing
C		Image reformatting
D		All of the above
E		None of the above
Correct Answer		D
Marks		1

21		
Question Description		Which of the following is perceptron?
A		a neural network that contains feedback
B		an auto-associative neural network
C		a double layer auto-associative neural network
D		a single layer feed-forward neural network with pre-processing
E		None of the above
Correct Answer		D
Marks		1

22	Question Description	Consider the resolution of the domain name www.gate.org.in by a DNS resolver. Assume that no resource records are cached anywhere across the DNS servers and that iterative query mechanism is used in the resolution. The number of DNS query-response pairs involved in completely resolving the domain name is _____.
	A	2
	B	4
	C	6
	D	8
	E	None of the above
	Correct Answer	B
	Marks	1

23	Question Description	Which one of the following statements is FALSE?
	A	Context free grammars can be used to specify both lexical and syntax rules
	B	Arguments to a function can be passed using the program stack
	C	Type checking is done before parsing
	D	High level programs are converted to intermediate representations
	E	None of the above
	Correct Answer	C
	Marks	1

24	Question Description	Identify the term used to define the multidimensional model of the data warehouse.
	A	Table
	B	Tree
	C	Data Cube
	D	Data Structure
	E	None of the above
	Correct Answer	C
	Marks	1

25	Question Description	What is the most important concern of cloud computing?
	A	Cost
	B	Space
	C	Security
	D	Platform
	E	None of the above
	Correct Answer	C
	Marks	1

26	Question Description	Type checking is normally done during:
	A	Lexical Analysis
	B	Intermediate Code Generation
	C	Syntax Analysis
	D	Syntax directed translation
	E	None of the above
	Correct Answer	D
	Marks	1

27 **Question Description**

Consider the relation account (customer, balance) where customer is a primary key and there are no null values. We would like to rank customers according to decreasing balance. The customer with the largest balance gets rank 1. Ties are not broke but ranks are skipped: if exactly two customers have the largest balance they each get rank 1 and rank 2 is not assigned.

Query1:

Select A.customer, count(B.customer)

From account A, account B

Where A.balance <=B.balance

Group by A.customer

Query2:

Select A.customer, 1+count(B.customer)

From account A, account B

Where A.balance < B.balance

Group by A.customer

Consider these statements about Query1 and Query2.

1. Query1 will produce the same row set as Query2 for some but not all databases.

2. Both Query1 and Query2 are correct implementation of the specification

3. Query1 is a correct implementation of the specification but Query2 is not

4. Neither Query1 nor Query2 is a correct implementation of the specification

5. Assigning rank with a pure relational query takes less time than scanning in decreasing balance order assigning ranks using ODBC.

Which two of the above statements are correct?

A	2 and 5
B	1 and 3
C	1 and 4
D	3 and 5
E	None of the above
Correct Answer	B
Marks	1

28	Question Description	The type of a Nominal attribute depends on which of the following properties:
	A	Distinctness & order
	B	Distinctness, order & addition
	C	Distinctness
	D	All the above
	E	None of the above
	Correct Answer	C
	Marks	1

29	Question Description	The process of assigning load addresses to the various parts of the program and adjusting the code and data in the program to reflect the assigned addresses is called:
	A	Symbol resolution
	B	Relocation
	C	Parsing
	D	Assembly
	E	None of the above
	Correct Answer	B
	Marks	1

30	Question Description	A computer system implements a -bit virtual address, page size of kilobytes, and a -entry translation look-aside buffer organized into sets each having four ways. Assume that the tag does not store any process id. The minimum length of the tag in bits is _____.
	A	20
	B	22
	C	24
	D	26
	E	None of the above
	Correct Answer	B
	Marks	1

31	Question Description	Underfitting happens due to:
	A	Data has high variance
	B	No regularization
	C	A few features
	D	All the above
	E	None of the above
	Correct Answer	C
	Marks	1

32 **Question Description**	A shared variable x, initialized to zero, is operated on by four concurrent processes W, X, Y, Z as follows. Each of the processes W and X reads x from memory, increments by one, stores it to memory, and then terminates. Each of the processes Y and Z reads x from memory, decrements by two, stores it to memory, and then terminates. Each process before reading x invokes the P operation (i.e., wait) on a counting semaphore S and invokes the V operation (i.e., signal) on the semaphore S after storing x to memory. Semaphore S is initialized to two. What is the maximum possible value of x after all processes complete execution?
A	-2
B	-1
C	1
D	2
E	None of the above
Correct Answer	D
Marks	1

33	**Question Description**	The most popularly used dimensionality reduction algorithm is Principal Component Analysis (PCA). Which of the following is/are true about PCA? 1. PCA is an unsupervised method 2. It searches for the directions that data have the largest variance 3. Maximum number of principal components <= number of features 4. All principal components are orthogonal to each other
	A	1 and 2
	B	1 and 2
	C	1, 2 and 3
	D	1,2,3,
	E	None of the above
	Correct Answer	D
	Marks	1

34	Question Description	Which of the following is not a valid HTTP methods used in RESTful web services?
	A	OPTIONS
	B	DELETE
	C	DATE
	D	POST
	E	None of the above
	Correct Answer	C
	Marks	1

35	Question Description	Identify among the following, which are examples of SaaS cloud computing.
	A	Dropbox
	B	Salesforce
	C	Google workshop
	D	All of the above
	E	None of the above
	Correct Answer	D
	Marks	1

36	Question Description	Consider a virtual memory system with FIFO page replacement policy. For an arbitrary page access pattern, increasing the number of page frames in main memory will (GATE CS 2001)
	A	a) Always decrease the number of page faults
	B	b) Always increase the number of page faults
	C	c) Some times increase the number of page faults
	D	d) Never affect the number of page faults
	E	None of the above
	Correct Answer	C
	Marks	1

37		
Question Description		Which of the following HTTP method should be used to fetch resource using RESTful web service?
A		GET
B		DELETE
C		PUT
D		OPTIONS
E		None of the above
Correct Answer		A
Marks		1

38	Question Description	Choose the correct IaaS provider among the following.
	A	EC1
	B	EC2
	C	EC10
	D	HYBRID
	E	None of the above
	Correct Answer	B
	Marks	1

39	Question Description	The digitization process, in which the digital image comprises M rows and N columns, necessitates choices for M, N, and the number of grey levels per pixel, L. M and N must have which of the following values?
	A	M have to be positive and N have to be negative integer
	B	M have to be negative and N have to be positive integer
	C	M and N have to be negative integer
	D	M and N have to be positive integer
	E	None of the above
	Correct Answer	D
	Marks	1

40		
Question Description		Let P be a QuickSort Program to sort numbers in ascending order using the first element as pivot. Let t1 and t2 be the number of comparisons made by P for the inputs {1, 2, 3, 4, 5} and {4, 1, 5, 3, 2} respectively. Which one of the following holds?
A		T1=5
B		T1<T2
C		T1>T2
D		T1=T2
E		None of the above
Correct Answer		C
Marks		1

41	Question Description	ETL stands for _____
	A	Effect, transfer and load
	B	Explain, transfer and load
	C	Extract, transfer and load
	D	Extract, transform, and load
	E	None of the above
	Correct Answer	D
	Marks	1

42

Question Description	Choose the incorrect property of the data warehouse.
A	Collection from heterogenous sources
B	Subject oriented
C	Time variant
D	Volatile
E	None of the above
Correct Answer	B
Marks	1

43

Question Description	What is the protocol used in REST?
A	FTP
B	HTTP
C	JMX
D	SOAP
E	None of the above
Correct Answer	B
Marks	1

44

Question Description	A lexical analyzer uses the following patterns to recognize three tokens T1, T2, and T3 over the alphabet {a,b,c}.
	
	    T1: a?(b|c)*a
	
	    T2: b?(a|c)*b
	
	    T3: c?(b|a)*c
	
	Note that 'x?' means 0 or 1 occurrence of the symbol x. Note also that the analyzer outputs the token that matches the longest possible prefix.
	If the string bbaacabc is processes by the analyzer, which one of the following is the sequence of tokens it outputs?

A	T3T3
B	T2T2
C	T1T2T3
D	T1T1T3
E	None of the above
Correct Answer	A
Marks	1

45	Question Description	Let S be an NP-complete problem and Q and R be two other problems not known to be in NP. Q is polynomial time reducible to S and S is polynomial-time reducible to R. Which one of the following statements is true?
	A	R is NPC
	B	R is NPH
	C	Q is NPC
	D	Q in NPH
	E	None of the above
	Correct Answer	B
	Marks	1

46	**Question Description**	Which of the following statements are TRUE?
		I. There exist parsing algorithms for some programming languages whose complexities are less than Θ(n3)
		II. A programming language which allows recursion can be implemented with static storage allocation.
		III. No L-attributed definition can be evaluated in the framework of bottom-up parsing. Co
		IV. de improving transformations can be performed at both source language and intermediate code level
	A	I and II
	B	I and III
	C	I,III, IV
	D	I, IV
	E	None of the above
	Correct Answer	D
	Marks	1

47	Question Description	In which one of the following page replacement algorithms it is possible for the page fault rate to increase even when the number of allocated frames increases?
	A	LRU
	B	OPT
	C	MRU
	D	FIFO
	E	None of the above
	Correct Answer	D
	Marks	1

48

Question Description	Choose the best matching between Group 1 and Group 2 :
	Group –1
	P. Data link layer
	Q. Network layer
	R. Transport layer
	Group – 2
	1. Ensures reliable transport of data over a physical point-to-point link
	2. Encodes/decodes data for physical transmission
	3. Allows end-to-end communication between two processes
	4. Routes data from one network node to the next
A	P-1,Q-4,R-3
B	P-2,Q-4,R-1
C	P-2,Q-3,R-1
D	P-1,Q-3,R-2

	E	None of the above
	Correct Answer	A
49	**Question Description**	The problems 3-SAT and 2-SAT are:
	Marks	1
	A	Both in P
	B	Both in NPC
	C	NPC and P
	D	Undecidable and NPC
	E	None of the above
	Correct Answer	C
	Marks	1

50	Question Description	Which of the following is the first and foremost step in Image Processing?
	A	Image acquisition
	B	Segmentation
	C	Image enhancement
	D	Image restoration
	E	None of the above
	Correct Answer	A
	Marks	1

51	**Comprehension**	With the disappearance of a language, it is not only a human creation that dies, but also a form of expressing a relationship with nature, an oral tradition, poetry and ultimately a culture, thereby contributing to global impoverishment of humanity. It is for these reasons that states, regions, society and civil as well as cultural organizations are seeking to adopt measures conducive to the preservation of languages. These languages constitute a priceless heritage, playing a central role in the preservation of the identity of numerous communities threatened on some continents, as well as being indispensable factors in ensuring cultural diversity. A number of warnings by linguists and other social scientists as well as international organizations have come to underline with growing intensity the crucial factor of languages and mother tongues in the development of human creativity, of the capacity to communicate, and above all, its primary role in evolving cultural identities.
	Question Description	Identify from the options given below, the synonym of the phrase "global impoverishment"
	A	universal depletion
	B	poverty of the earth
	C	local enrichment
	D	poverty in the world
	E	None of the above
	Correct Answer	A
	Marks	1

52	Comprehension	With the disappearance of a language, it is not only a human creation that dies, but also a form of expressing a relationship with nature, an oral tradition, poetry and ultimately a culture, thereby contributing to global impoverishment of humanity. It is for these reasons that states, regions, society and civil as well as cultural organizations are seeking to adopt measures conducive to the preservation of languages. These languages constitute a priceless heritage, playing a central role in the preservation of the identity of numerous communities threatened on some continents, as well as being indispensable factors in ensuring cultural diversity. A number of warnings by linguists and other social scientists as well as international organizations have come to underline with growing intensity the crucial factor of languages and mother tongues in the development of human creativity, of the capacity to communicate, and above all, its primary role in evolving cultural identities.
	Question Description	From the options provided below, select the one that is closest in meaning to the phrase "with growing intensity the crucial factor" as implied in the passage.
	A	with increasing vigour the pivotal part
	B	with increasing anxiety the unique part
	C	with intense worry the significant role
	D	with excessive concern the important role
	E	None of the above
	Correct Answer	C
	Marks	1

53	Comprehension	With the disappearance of a language, it is not only a human creation that dies, but also a form of expressing a relationship with nature, an oral tradition, poetry and ultimately a culture, thereby contributing to global impoverishment of humanity. It is for these reasons that states, regions, society and civil as well as cultural organizations are seeking to adopt measures conducive to the preservation of languages. These languages constitute a priceless heritage, playing a central role in the preservation of the identity of numerous communities threatened on some continents, as well as being indispensable factors in ensuring cultural diversity. A number of warnings by linguists and other social scientists as well as international organizations have come to underline with growing intensity the crucial factor of languages and mother tongues in the development of human creativity, of the capacity to communicate, and above all, its primary role in evolving cultural identities.
	Question Description	Identify the word from the passage that is farthest in meaning to "central" as implied in the passage
	A	peripheral
	B	indispensable
	C	pivotal
	D	intense
	E	None of the above
	Correct Answer	A
	Marks	1

Comprehension	With the disappearance of a language, it is not only a human creation that dies, but also a form of expressing a relationship with nature, an oral tradition, poetry and ultimately a culture, thereby contributing to global impoverishment of humanity. It is for these reasons that states, regions, society and civil as well as cultural organizations are seeking to adopt measures conducive to the preservation of languages. These languages constitute a priceless heritage, playing a central role in the preservation of the identity of numerous communities threatened on some continents, as well as being indispensable factors in ensuring cultural diversity. A number of warnings by linguists and other social scientists as well as international organizations have come to underline with growing intensity the crucial factor of languages and mother tongues in the development of human creativity, of the capacity to communicate, and above all, its primary role in evolving cultural identities.
Question Description	As per the passage, evolving cultural identity is the prime contribution to human society made by
A	oral tradition
B	language and mother tongue
C	process of communication
D	development of human creativity
E	None of the above
Correct Answer	B
Marks	1

54

Comprehension	With the disappearance of a language, it is not only a human creation that dies, but also a form of expressing a relationship with nature, an oral tradition, poetry and ultimately a culture, thereby contributing to global impoverishment of humanity. It is for these reasons that states, regions, society and civil as well as cultural organizations are seeking to adopt measures conducive to the preservation of languages. These languages constitute a priceless heritage, playing a central role in the preservation of the identity of numerous communities threatened on some continents, as well as being indispensable factors in ensuring cultural diversity. A number of warnings by linguists and other social scientists as well as international organizations have come to underline with growing intensity the crucial factor of languages and mother tongues in the development of human creativity, of the capacity to communicate, and above all, its primary role in evolving cultural identities.
Question Description	The human society gets culturally impoverished when
A	the relationship with nature is hindered
B	human creation is undermined
C	oral tradition is lost
D	when a language disappears
E	None of the above
Correct Answer	D
Marks	1

55

56	Question Description	Durgavati Tiger Reserve, which was notified recently, is located in which state/UT?
	A	Andhra Pradesh
	B	West Bengal
	C	Maharashtra
	D	Madhya Pradesh
	E	None of the above
	Correct Answer	D
	Marks	1

57	Question Description	Which state/UT released the 'SAMRIDDHI', a one-time property tax amnesty scheme?
	A	Gujarat
	B	Jammu and Kashmir
	C	Andhra Pradesh
	D	New Delhi
	E	None of the above
	Correct Answer	D
	Marks	1

58	Question Description	Which country and the Indian Air Force are participating in "Garuda VI," a bilateral exercise?
	A	Australia
	B	Sri Lanka
	C	France
	D	Japan
	E	None of the above
	Correct Answer	C
	Marks	1

59	Question Description	Which education board has launched the mobile application "Dost for Life"?
	A	ICSE Board
	B	CBSE Board
	C	Open Board
	D	All of above
	E	None of the above
	Correct Answer	B
	Marks	1

60	Question Description	Asia's Largest Compressed Biogas Plant has been inaugurated in which state?
	A	Punjab
	B	Haryana
	C	Gujarat
	D	Madhya Pradesh
	E	None of the above
	Correct Answer	A
	Marks	1

61	Question Description	What is the theme for the International Day of the Girl Child 2022?
	A	Courage and perseverance
	B	Good vs. Evil
	C	Redemption
	D	Our time is now-our rights, our future
	E	None of the above
	Correct Answer	D
	Marks	1

62	Question Description	Which IT company and the Indian government will collaborate on a programme to educate its digital toolkit?
	A	Apple
	B	Dell
	C	Microsoft
	D	Wipro
	E	None of the above
	Correct Answer	C
	Marks	1

63	Question Description	How many satellites have been placed into orbit by ISRO's heaviest rocket LVM3 M2?
	A	31
	B	36
	C	35
	D	32
	E	None of the above
	Correct Answer	B
	Marks	1

64	Question Description	Where was India's Second National Model Vedic School inaugurated recently?
	A	Dwarka
	B	Puri
	C	Badrinath
	D	Guwahati
	E	None of the above
	Correct Answer	B
	Marks	1

65	Question Description	Who has launched a special WhatsApp helpline number for pregnant women?
	A	WCD
	B	NCW
	C	MHA
	D	MoHFW
	E	None of the above
	Correct Answer	B
	Marks	1

66	Question Description	Four of the following five are related to each other in terms of English alphabet series and thus form a group. Which of the following does not fit to that group?
	A	FUX
	B	PKN
	C	HSV
	D	MNP
	E	None of the above
	Correct Answer	D
	Marks	1

67	Question Description	There is a certain relationship between two given pair on both side of '::' . One word is given on another side of '::' while another word is to be found from the given options, having the same relation with this word as the words of the given pair . Choose the correct word from the following options. taxonomy : Classification : : Pedology : ?
	A	Nature
	B	Farming
	C	Soil
	D	Mountain
	E	None of the above
	Correct Answer	C
	Marks	1

68		

Question Description	Each question given below consists of a statement, followed by three or four arguments numbered I, II, III and IV. You have to decide which of the arguments is/are 'strong' arguments) and which is/are 'weak' arguments) and accordingly choose your answer from the alternatives given below each question.
	
	Statement: Should trade unions be banned completely?
	Arguments:
	  I. Yes. Workers can concentrate on production.
	  II. No. This is the only way through which employees can put their demands before the management.
	  III. Yes. Employees get their illegal demands fulfilled through these unions.
	  IV. No. Trade unions are not banned in other economically advanced countries.

A	Only I is strong
B	Only II is strong
C	Only I and II are strong
D	Only I, II and III are strong
E	None of the above
Correct Answer	B
Marks	1

69	Question Description	Choose the pair that best represents a similar relationship to the one expressed in the original pair of words. PASTORAL : RURAL
	A	metropolitan : urban
	B	harvest : autumn
	C	agrarian : benevolent
	D	sleepy : nocturnal
	E	None of the above
	Correct Answer	A
	Marks	1

70	Question Description	A wheel that has 6 cogs is meshed with a larger wheel of 14 cogs. When the smaller wheel has made 21 revolutions, then the number of revolutions mad by the larger wheel is:
	A	4
	B	9
	C	12
	D	49
	E	None of the above
	Correct Answer	B
	Marks	1

71	Question Description	choose which pair of numbers comes next. 17 32 19 29 21 26 23
	A	25 25
	B	20 22
	C	23 25
	D	25 22
	E	None of the above
	Correct Answer	C
	Marks	1

72	Question Description	There is a certain relationship between two given pair on both side of '::' . One word is given on another side of '::' while another word is to be found from the given options, having the same relation with this word as the words of the given pair . Choose the correct word from the following options. Tectonics : Building : : Taxidermy : ?
	A	Classification
	B	Conserving
	C	Stuffing
	D	Collecting
	E	None of the above
	Correct Answer	C
	Marks	1

73	**Question Description**	A train 800 metres long is running at a speed of 78 km/hr. If it crosses a tunnel in 1 minute, then the length of the tunnel (in meters) is:
	A	130
	B	360
	C	500
	D	540
	E	None of the above
	Correct Answer	C
	Marks	1

Question Description	Find the missing Numbers

36	6	9	15
88	11	9	?
120	?	6	18

A	54,41
B	17,82
C	17,10
D	96,13
E	None of the above
Correct Answer	C
Marks	1

75	Question Description	How many such pairs of letters are there in the 'CONDITIONAL' each of which has as many letters between them in the word as in the English Alphabet?
	A	One
	B	Two
	C	Three
	D	Four
	E	None of the above
	Correct Answer	E
	Marks	1