

Computer Based Examination System

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Title *	Question Paper Answer Key
OES Exam *	GPSC06202404 / Assistant Professors in Government College in Computer Science/ Completed / 2024-09-28

1

Question Description

Consider the following representation of a number in IEEE 754 single-precision floating-point format with a bias of 127.

S: 1

E: 10000001

F: 11110000000000000000000

Here, S, E and F denote the sign, exponent, and fraction components of the floating-point representation. The decimal value corresponding to the above representation (rounded to 2 decimal places) is ____.

A -7.75

B +7.75

C -5.57

D 5.75

E None of the above

Correct Answer A

Marks 1

2	Question Description	In 16-bit 2's complement representation, the decimal number -28 is ?
	A	1000 0000 1110 0100
	B	0000 0000 1110 0100
	C	1111 1111 1110 0100
	D	1111 1111 0001 1100
	E	None of the above
	Correct Answer	C
	Marks	1

3	Question Description	What will be the output of the following code snippet? <pre>void solve() { int a[] = {1, 2, 3, 4, 5}; int sum = 0; for(int i = 0; i < 5; i++) { if(i % 2 == 0) { sum += a[i]; } } cout << sum << endl; }</pre>
	A	5
	B	15

C	9
D	6
E	None of the above
Correct Answer	C
Marks	1

4

Question Description	The changes applied to the database by a committed transaction must persist in the database. These changes must NOT be lost because of any failure which is known as:
A	Atomicity
B	Durability
C	Consistency
D	Isolation
E	None of the above
Correct Answer	B
Marks	1

5

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 and S2 is FALSE.

B Both S1 and S2 are TRUE.

C S1 is FALSE and S2 is TRUE.

D Both S1 and S2 are FALSE.

E None of the above

Correct Answer

D

6

Question Description	An Internet Service Provider(ISP) has the following chunk of CIDR-based IP addresses available with it:245.248.128.0/20. The ISP wants to give half of this chunk of addresses to Organization A, and a quarter to Organization B while retaining the remaining with itself. Which of the following is a valid allocation of addresses to A and B?
A	245.248.136.0/21 and 245.248.128.0/22
B	245.248.128.0/21 and 245.248.128.0/22
C	245.248.132.0/22 and 245.248.132.0/21
D	245.248.136.0/22 and 245.248.132.0/21
E	None of the above
Correct Answer	A
Marks	1

7

Question Description	The excess-3 code for 584 is given by
A	100010110111
B	100001110111
C	100010010110
D	100001010110
E	None of the above
Correct Answer	A
Marks	1

8

Question Description

Consider the following instructions.

ADD R1, R2, R3 //R1=R2+R3

SUB R4, R1, R5 //R4=R1+R5

When this code is executed, the following happens

A

Neither data nor control hazard

B

Structural hazard

C

Control hazard

D

Data hazard

E

None of the above

Correct Answer

D

Marks

1

9

Question Description	Consider a simple undirected unweighted graph with at least three vertices. If A is the adjacency matrix of the graph, then the number of 3-cycles in the graph is given by the trace of
A	A^3
B	A^3 divided by 2
C	A^3 divided by 3
D	A^3 divided by 6
E	None of the above
Correct Answer	D
Marks	1

10

Question Description

The Lucas sequence L_n is defined by the recurrence relation:

$$L_n = L_{n-1} + L_{n-2}, \text{ for } n \geq 3,$$

With $L_1 = 1$ and $L_2 = 3$

Which one of the options given is TRUE?

A

$$L_n = \left(\frac{1+\sqrt{5}}{2}\right)^n + \left(\frac{1-\sqrt{5}}{2}\right)^n$$

B

$$L_n = \left(\frac{1+\sqrt{5}}{2}\right)^n - \left(\frac{1-\sqrt{5}}{3}\right)^n$$

C

$$L_n = \left(\frac{1+\sqrt{5}}{2}\right)^n + \left(\frac{1-\sqrt{5}}{3}\right)^n$$

D

$$L_n = \left(\frac{1+\sqrt{5}}{2}\right)^n - \left(\frac{1-\sqrt{5}}{2}\right)^n$$

E

None of the above

Correct Answer

A

Marks

1

11

Question Description	In which application is Frequency Division Multiplication (FDM) NOT used?
A	TV network
B	FM and AM radio broadcasting
C	First Generation of mobile phone
D	Internet
E	None of the above
Correct Answer	D
Marks	1

12

Question Description

Consider the following two-dimensional array D in the C programming language, which is stored in row-major order:

```
int D[128][128];
```

Demand paging is used for allocating memory, and each physical page frame holds 512 elements of the array D. The operating system uses the Least Recently Used (LRU) page-replacement policy. A total of 30 physical page frames are allocated to a process that executes the following code snippet:

```
for (int i = 0; i < 128; i++)  
    for (int j = 0; j < 128; j++)  
        D[j][i] *= 10;
```

The number of page faults generated during the execution of this code snippet is

A

128

B

4096

C

1024

D

2048

E

None of the above

Correct Answer

B

Marks

1

13

Question Description	Which of the following is known to be not an NP-Hard Problem?
A	Vertex Cover Problem.
B	0/1 Knapsack Problem.
C	Maximal Independent Set Problem.
D	Travelling Salesman Problem.
E	None of the above
Correct Answer	B
Marks	1

14

Question Description

What is the time complexity of the following code snippet in C++?

```
void solve() {  
    string s = "scaler";  
    int n = s.size();  
    for(int i = 0; i < n; i++) {  
        s = s + s[i];  
    }  
    cout << s << endl;  
}
```

A

O(n)

BO(n²)**C**

O(1)

D

O(log n)

E

None of the above

Correct Answer

B

Marks

1

15

Question Description	In IEEE floating point representation, the hexadecimal number 0xC0000000 corresponds to
A	-3.0
B	-1.0
C	-4.0
D	-2.0
E	None of the above
Correct Answer	D
Marks	1

16

Question Description

```
datatype_t a, b, c;  
a = b+c;
```

Consider the following code: `datatype_t a, b, c; a = b+c;` Which of the following datatype is ideal for this code (`datatype_t`) assuming this code runs on an embedded processor and the values `a, b, c` never exceed 256?

A`uint8_t`**B**`uint16_t`**C**`uint32_t`**D**`uint64_t`**E**

None of the above

Correct Answer

A

Marks

1

17

Question Description	When searching for the key value 60 in a binary search tree, nodes containing the key values 10, 20, 40, 50, 70 80, and 90 are traversed, not necessarily in the order given. How many different orders are possible in which these key values can occur on the search path from the root to the node containing the value 60?
A	35
B	64
C	128
D	5040
E	None of the above
Correct Answer	A
Marks	1

18

Question Description	The following hexadecimal number $(1E.43)_{16}$ is equivalent to
A	$(36.506)_8$
B	$(36.206)_8$
C	$(35.506)_8$
D	$(35.206)_8$
E	None of the above
Correct Answer	B
Marks	1

19

Question Description	The difference between a dense index and a sparse index is that:
A	A dense index contains keys and pointers for a subset of the records whereas a sparse index contains keys and pointers for every record.
B	A dense index can only be a primary index whereas a sparse index can only be a secondary index.
C	A dense index contains keys and pointers for each record whereas a sparse index contains keys and pointers for a subset of the records.
D	There is no difference.
E	None of the above
Correct Answer	C
Marks	1

20	Question Description	What is the disadvantage of a linked list?
	A	They are massive
	B	Requires more memory space
	C	Tougher to implement
	D	Search complexity is more
	E	None of the above
	Correct Answer	B
	Marks	1

21	Question Description	During transaction before commit which of the following statements is done automatically in case of shutdown?
	A	Rollback
	B	Commit
	C	View
	D	Flashback
	E	None of the above
	Correct Answer	A
	Marks	1

22	Question Description	Which one of the following statements is TRUE?
	A	The RISC microprocessor has four general-purpose registers.
	B	The RISC microprocessors contain few addressing modes.
	C	The CISC microprocessors contain a few numbers of instructions and very addressing modes
	D	The CISC contains mostly load or store instructions.
	E	None of the above
	Correct Answer	B
	Marks	1

23	Question Description	In RDBMS, different classes of relations are created using the ____ technique to prevent modification anomalies.
	A	Functional Dependencies
	B	Data integrity
	C	Referential integrity
	D	Normal Forms
	E	None of the above
	Correct Answer	D
	Marks	1

24	Question Description	If $73x$ (in base- x number system) is equal to $54y$ (in base- y number system), the possible values of x and y are
	A	8, 16
	B	10, 12
	C	9, 13
	D	8, 11
	E	None of the above
	Correct Answer	D
	Marks	1

25	Question Description	Assume we want to map a 1: N relationship type, which involves entity types R and S, where R is on the N side of the relationship type and S is on the 1 side, to the relational model. The attributes of the relationship type should be mapped to attributes of:
	A	The corresponding relation for the entity type R
	B	The corresponding relation for the entity type S
	C	The corresponding relations for both entity types R and S
	D	It cannot be mapped
	E	None of the above
	Correct Answer	A
	Marks	1

26

Question Description	What is the binary subtraction of $101001 - 010110 = ?$
A	010011
B	100110
C	011001
D	010010
E	None of the above
Correct Answer	A
Marks	1

27

Question Description	The running time of the function $f(n) = 15n^3 + 40n^2 + 2n \log n + 2n$ is:
A	n^3
B	n^2
C	$n \log n$
D	$2n$
E	None of the above
Correct Answer	A
Marks	1

28

Question Description	Identify the worst type of coupling.
A	Data coupling
B	Control coupling
C	Stam coupling
D	Content coupling
E	None of the above
Correct Answer	D
Marks	1

29	Question Description	Station A needs to send a message consisting of 9 packets to Station B using a sliding window (window size 3) and go-back-n error control strategy. All packets are ready and immediately available for transmission. If every 5th packet that A transmits gets lost (but no acks from B ever get lost), then what is the number of packets that A will transmit for sending the message to B?
	A	12
	B	14
	C	16
	D	18
	E	None of the above
	Correct Answer	C
	Marks	1

30	Question Description	Let $m=(313)_4$ and $n=(322)_4$. Find the base 4 expansion of $m+n$.
	A	$(635)_4$
	B	$(32312)_4$
	C	$(21323)_4$
	D	$(1301)_4$
	E	None of the above
	Correct Answer	D
	Marks	1

31	Question Description	Which of the following statements is FALSE about a weak entity set?
	A	Weak entities can be deleted automatically when their strong entity is deleted.
	B	A weak entity set avoids data duplication and consequent possible inconsistencies caused by duplicating the key of the strong entity.
	C	A weak entity set has no primary keys unless attributes of the strong entity set on which it depends are included
	D	Tuples in a weak entity set are not partitioned according to their relationship with tuples in a strong entity set.
	E	None of the above
	Correct Answer	D
	Marks	1
32	Question Description	When six unbiased dice are rolled simultaneously, the probability of getting all distinct numbers (i.e., 1, 2, 3, 4, 5, and 6) is
	A	$1/324$
	B	$5/324$
	C	$7/324$
	D	$11/324$
	E	None of the above
	Correct Answer	B
	Marks	1

33

Question Description

The relation schemas R1 and R2 form a Lossless join decomposition of R if and only if:

- (a) $R1 \cap R2 \rightarrow (R1 - R2)$
- (b) $R1 \rightarrow R2$
- (c) $R1 \cap R2 \rightarrow (R2 - R1)$
- (d) $(R2 \rightarrow R1) \cap R2$

A (a)and (b) happen

B (a)and (d) happen

C (a)and (c) happen

D (b)and (c) happen

E None of the above

Correct Answer C

Marks 1

34	Question Description	The decimal value 0.5 in IEEE single precision floating point representation has
	A	fraction bits of 000...000 and exponent value of 0
	B	fraction bits of 000...000 and exponent value of -1
	C	fraction bits of 100...000 and exponent value of 0
	D	no exact representation
	E	None of the above
	Correct Answer	B
	Marks	1

35	Question Description	Let r denote the number system radix. The only value(s) of r that satisfies the equation
	A	decimal 10
	B	decimal 11
	C	decimal 10 and 11
	D	any value > 2
	E	None of the above
	Correct Answer	D
	Marks	1

36

Question Description	Consider the predicate: $\text{Fun } x \rightarrow (x = 2 \text{ Or } x = 3 \text{ Or } x = 5)$
A	This predicate represents the integer set other than $\{2, 3, 5\}$
B	This predicate represents the integer set $\{1, 3, 5\}$
C	This predicate represents the integer set $\{2, 3, 5\}$
D	All numbers less than 2, 3, 5
E	None of the above
Correct Answer	C
Marks	1

37

Question Description	Which one of the following is CORRECT for Direct Memory Access (DMA)?
A	Converts a binary number to an analog signal
B	A program that executes and debugs the object program generated by the assembler or compiler.
C	A companion microprocessor that performs specific functions such as floating-point operations independently from the microprocessor to speed up overall operations.
D	A type of input/output technique in which data can be transferred between the microcomputer memory and external devices without the microprocessor's involvement.
E	None of the above
Correct Answer	D
Marks	1

38	Question Description	_____ provides a graphical means for representing schedules.
	A	Computing charts
	B	Message sequence charts (MSCs)
	C	Message Passing
	D	UML
	E	None of the above
	Correct Answer	B
	Marks	1

39	Question Description	Which of the following is performed in a memory read and a memory write?
	A	PC is decremented and instruction is fetched from memory
	B	PC is incremented and instruction is fetched from memory
	C	MAR is incremented and instruction is fetched from memory
	D	MDR is incremented and instruction is fetched from memory
	E	None of the above
	Correct Answer	B
	Marks	1

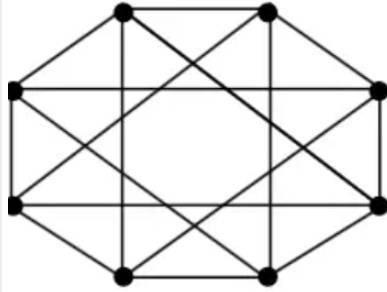
40	Question Description	If there are 42 signals in a CPU there will be:
	A	21 bits are needed for the hardwired control unit
	B	12 bits needed for the hardwired control unit
	C	42 bits needed for the hardwired control
	D	No bits needed for the hardwired control unit
	E	None of the above
	Correct Answer	C
	Marks	1

41	Question Description	For _____ communication between processes is buffered.
	A	Asynchronous message passing
	B	Synchronous message passing
	C	Multithreaded graph
	D	Monopoly graph
	E	None of the above
	Correct Answer	A
	Marks	1

42

Question Description

The chromatic number of a graph is the minimum number of colors used in a proper colouring of the graph. The chromatic number of the following graph is

**A**

1

B

2

C

3

D

4

E

None of the above

Correct Answer

B

Marks

1

43

Question Description

$(G, *)$ is an abelian group

- A $x = x^{-1}$ for any x belonging to G
- B $x = x^2$ for any x belonging to G
- C $(x * y)^2 = x^2 * y^2$ for any x, y belonging to G
- D G is a finite order

A

A

B

B

C

C

D

D

E

None of the above

Correct Answer

C

Marks

1

44

Question Description

Which of the following concurrency control protocols ensures both conflict serializability and freedom from deadlock?

2-phase locking II. Time-stamp ordering

A

I only

B

II only

C

Both I and II

D

Neither I nor II

E

None of the above

Correct Answer

B

Marks

1

45

Question Description

The following paradigm can be used to find the solution to the problem in the minimum tree: Given a set of non-negative integers and a value of K , determine if there is a subset of the given set with sum equal to K :

A

Divide & Conquer

B

Dynamic Programming

C

Greedy Algorithm

D

Branch Bound

E

None of the above

Correct Answer

B

Marks

1

46

Question Description

A company needs to develop digital signal processing software for one of its newest inventions. The software is expected to have 20000 lines of code. The company needs to determine the effort in person-months needed to develop this software using the basic COCOMO model. The multiplicative factor for this model is given as 2.2 for the software development on embedded systems, while the exponentiation factor is given as 1.50. What is the estimated effort in person-months?

A

196.77

B

206.56

C

199.56

D

210.68

E

None of the above

Correct Answer

A

Marks

1

47

Question Description	If binary trees are represented as arrays, what formula can be used to find a node's left child if the index is i ?
A	$2i+1$
B	$2i+2$
C	$2i$
D	$(i+1)/2$
E	None of the above
Correct Answer	A
Marks	1

48	Question Description	Relation R has eight attributes ABCDEFGH. Fields of R contain only atomic values. $F = \{CH \rightarrow G, A \rightarrow BC, B \rightarrow CFH, E \rightarrow A, F \rightarrow EG\}$ is a set of functional dependencies (FDs) so that F^+ is exactly the set of FDs that hold for R. How many candidate keys does the relation R have?
	A	3
	B	4
	C	5
	D	6
	E	None of the above
	Correct Answer	B
	Marks	1

49	Question Description	Let p and q be the following propositions: p: A fail grade can be given. q: Student scores more than 50% marks. Consider the statement: "Fail grade cannot be given when student scores more than 50% marks." Which one of the following is the CORRECT representation of the above statement in propositional logic?
	A	$q \rightarrow p$

B	$q \rightarrow p$
C	$p \rightarrow q$
D	$p \rightarrow q$
E	None of the above
Correct Answer	A
Marks	1

50

Question Description	Suppose a circular queue of capacity $(n - 1)$ elements is implemented with an array of n elements. Assume that the insertion and deletion operations are carried out using REAR and FRONT as array index variables, respectively. Initially, $REAR = FRONT = 0$. The conditions to detect queue full and queue empty are
A	Full: $(REAR+1) \bmod n == FRONT$, empty: $REAR == FRONT$
B	Full: $(REAR+1) \bmod n == FRONT$, empty: $(FRONT+1) \bmod n == REAR$
C	Full: $REAR == FRONT$, empty: $(REAR+1) \bmod n == FRONT$
D	Full: $(FRONT+1) \bmod n == REAR$, empty: $REAR == FRONT$
E	None of the above
Correct Answer	A
Marks	1

51

Comprehension

Read the passage below and answer the questions

Knowledge is a form of union of Self and not-Self; like all unions, it is impaired by dominion, and therefore by any attempt to force the universe into conformity with what we find in ourselves. There is a widespread philosophical tendency towards the view which tells us that Man is the measure of all things, that truth is man-made, that space and time and the world of universals are properties of the mind, and that, if there be anything not created by the mind, it is unknowable and of no account for us. This view, if our previous discussions were correct, is untrue; but in addition to being untrue, it has the effect of robbing philosophic contemplation of all that gives it value, since it fetters contemplation to Self. What it calls knowledge is not a union with the not-Self, but a set of prejudices, habits, and desires, making an impenetrable veil between us and the world beyond. The man who finds pleasure in such a theory of knowledge is like the man who never leaves the domestic circle for fear his word might not be law.

Question Description

According the passage, the philosophical view which considers “Man” as the measure of all things and truth to be man-made, espouses ----- in lieu of knowledge

A union with Non-self

B prejudices, habits and desires

C union with Self

D impenetrable veil between self and the world beyond

E None of the above

Correct Answer

D

Marks

1

Comprehension

Read the passage below and answer the questions

Knowledge is a form of union of Self and not-Self; like all unions, it is impaired by dominion, and therefore by any attempt to force the universe into conformity with what we find in ourselves. There is a widespread philosophical tendency towards the view which tells us that Man is the measure of all things, that truth is man-made, that space and time and the world of universals are properties of the mind, and that, if there be anything not created by the mind, it is unknowable and of no account for us. This view, if our previous discussions were correct, is untrue; but in addition to being untrue, it has the effect of robbing philosophic contemplation of all that gives it value, since it fetters contemplation to Self. What it calls knowledge is not a union with the not-Self, but a set of prejudices, habits, and desires, making an impenetrable veil between us and the world beyond. The man who finds pleasure in such a theory of knowledge is like the man who never leaves the domestic circle for fear his word might not be law.

Question Description

As per the passage, what is impaired by any attempt to force the universe into conformity with what we find in ourselves?

A

self

B

non-self

C

union

D

knowledge

E

None of the above

Correct Answer

D

Marks

1

Comprehension	Read the passage below and answer the questions <p>Knowledge is a form of union of Self and not-Self; like all unions, it is impaired by dominion, and therefore by any attempt to force the universe into conformity with what we find in ourselves. There is a widespread philosophical tendency towards the view which tells us that Man is the measure of all things, that truth is man-made, that space and time and the world of universals are properties of the mind, and that, if there be anything not created by the mind, it is unknowable and of no account for us. This view, if our previous discussions were correct, is untrue; but in addition to being untrue, it has the effect of robbing philosophic contemplation of all that gives it value, since it fetters contemplation to Self. What it calls knowledge is not a union with the not-Self, but a set of prejudices, habits, and desires, making an impenetrable veil between us and the world beyond. The man who finds pleasure in such a theory of knowledge is like the man who never leaves the domestic circle for fear his word might not be law.</p>
Question Description	Identify from the options given below, a word or phrase, which means to damage or harm
A	fetter
B	rob
C	impair
D	force conformity
E	None of the above
Correct Answer	C
Marks	1

54

Comprehension

Read the passage below and answer the questions

Knowledge is a form of union of Self and not-Self; like all unions, it is impaired by dominion, and therefore by any attempt to force the universe into conformity with what we find in ourselves. There is a widespread philosophical tendency towards the view which tells us that Man is the measure of all things, that truth is man-made, that space and time and the world of universals are properties of the mind, and that, if there be anything not created by the mind, it is unknowable and of no account for us. This view, if our previous discussions were correct, is untrue; but in addition to being untrue, it has the effect of robbing philosophic contemplation of all that gives it value, since it fetters contemplation to Self. What it calls knowledge is not a union with the not-Self, but a set of prejudices, habits, and desires, making an impenetrable veil between us and the world beyond. The man who finds pleasure in such a theory of knowledge is like the man who never leaves the domestic circle for fear his word might not be law.

Question Description

Indicate from the options provided the closest antonym of 'conform' as used in the passage:

A flout

B bypass

C flaunt

D deny

E	None of the above
Correct Answer	A
Marks	1

Comprehension

Read the passage below and answer the questions

Knowledge is a form of union of Self and not-Self; like all unions, it is impaired by dominion, and therefore by any attempt to force the universe into conformity with what we find in ourselves. There is a widespread philosophical tendency towards the view which tells us that Man is the measure of all things, that truth is man-made, that space and time and the world of universals are properties of the mind, and that, if there be anything not created by the mind, it is unknowable and of no account for us. This view, if our previous discussions were correct, is untrue; but in addition to being untrue, it has the effect of robbing philosophic contemplation of all that gives it value, since it fetters contemplation to Self. What it calls knowledge is not a union with the not-Self, but a set of prejudices, habits, and desires, making an impenetrable veil between us and the world beyond. The man who finds pleasure in such a theory of knowledge is like the man who never leaves the domestic circle for fear his word might not be law.

Question Description

Read the following statements and say whether they are true or false, on the basis of the passage:

- (i) Man-centric view of the universe and the notion that truth is man-made is utterly fallacious
- (ii) Far from being true, it denies any scope to human mind for contemplation of matters of intrinsic worth to itself

A

statement (i) is true but statements (ii) is false

B

both the statements are true

C

both the statements are false

D

statement (i) is false but statements (ii) is true

E

None of the above

Correct Answer

B

Marks

1

56	Question Description	Who is appointed as head coach of Goa Cricket Association Senior Men's Team Recently
	A	Dinesh Mongia
	B	Robin Singh
	C	Venkatapathy Raju
	D	Ashish Nehra
	E	None of the above
	Correct Answer	A
	Marks	1

57	Question Description	Which state is planning to build India's first solar-powered expressway by 2026?
	A	Gujarat
	B	Maharashtra
	C	Uttar Pradesh
	D	Madhya Pradesh
	E	None of the above
	Correct Answer	C
	Marks	1

58	Question Description	Who completed the first private spacewalk at a record-setting height?
	A	Michael Collins
	B	Pavel Vinogradov
	C	Jared Isaacman
	D	Fyodor Nikolayevich Yurchikhin
	E	None of the above
	Correct Answer	C
	Marks	1

59	Question Description	Which country is participating with India in the joint military exercise 'Yudh Abhyas' in 2024?
	A	Russia
	B	Australia
	C	United States
	D	United Kingdom
	E	None of the above
	Correct Answer	C
	Marks	1

60	Question Description	In which Indian state was the world's first Asian King Vulture Conservation and Breeding Centre inaugurated?
	A	Maharashtra
	B	Gujarat
	C	Uttar Pradesh
	D	Rajasthan
	E	None of the above
	Correct Answer	C
	Marks	1

61	Question Description	Who is the winner of late Smt. Sunandabai Dayanand Bandodkar Memorial Blitz FIDE Rating Chess Tournament
	A	Madan Lad
	B	Nitish Belurkar
	C	Abhishek Kelkar
	D	Pankaj Bhat
	E	None of the above
	Correct Answer	B
	Marks	1

62	Question Description	_____ was sworn in as new Chief State Information Commissioner of Goa.
	A	Arvind Kumar Nair
	B	Venkat c.k.
	C	Sumit Kumar Patel
	D	Srirang Barve
	E	None of the above
	Correct Answer	A
	Marks	1

63	Question Description	What is the new name of Port Blair announced by the Home Minister of India?
	A	Sri Chandra Puram
	B	Sri Vijay Nagar
	C	Sri Vijaya Puram
	D	Sri Chola Boomi
	E	None of the above
	Correct Answer	C
	Marks	1

64	Question Description	Which state became the first to offer AYUSH services in all urban primary health centres?
	A	Chhattisgarh
	B	Madhya Pradesh
	C	Odisha
	D	Gujarat
	E	None of the above
	Correct Answer	B
	Marks	1

65	Question Description	Which state is hosting the first Formula 4 car race in South Asia?
	A	Maharashtra
	B	Gujarat
	C	Tamil Nadu
	D	West Bengal
	E	None of the above
	Correct Answer	C
	Marks	1

66

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

Question Description

Directions: Read the following information carefully and answer the questions given beside.

Certain number of persons sit around a square table such that nobody sits at the corner and not more than 4 persons sit around each of the sides. Information about few persons is given and all the persons face towards the centre. Only 4 persons sit between P and T, who is on the immediate left of Q. S is sixth to the right of U. R is at a gap of two persons from U, who is adjacent to T. Only one person sits between R and V, who is third to the right of S.

What is the position of R with respect to Q?

A

Immediate right

B

Fifth to the right

C

Fifth to the left

D

Immediate left

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

69

Question Description	January 1, 2007 was Monday. What day of the week lies on Jan. 1, 2008?
A	Monday
B	Tuesday
C	Wednesday
D	Sunday
E	None of the above
Correct Answer	B
Marks	1

70

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

71

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

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

73

Question Description

select the related word/letters/number from the given alternatives.

225 : 12 : 435 : ?

A

12

B

20

C

25

D

19

E

None of the above

Correct Answer

D

Marks

1

74

Question Description	If first and third digits of each number are interchanged and then numbers are arranged in ascending order then which of the following will be the second number from right end?
A	2764
B	9862
C	7983
D	5493
E	None of the above
Correct Answer	C
Marks	1

75

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