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Title *	Question Paper Answer Key
OES Exam *	GPSC01202410 / Assistant Professors in Government College in Computer Science/ Completed / 2024-04-21

Question Description	```int fun()
{
    static int num = 16;
    return num--;
}
int main()
{
    for(fun(); fun(); fun())

    printf(\"%d\", fun());

    return 0;
}
```
What is the output of the above program?
    a.   Infinite loop
    b.   10 7 4 1
    c.   15 12 8 5 2
    d.   11 8 5 2 |
| **A** | a |
| **B** | b |
| **C** | c |
| **D** | d |
| **E** | None of the above |
| **Correct Answer** | D |
| **Marks** | 1 |

| 2 | Question Description | $(p \rightarrow q) \wedge (p \rightarrow r)$ is logically equivalent to _____<br><br>a. $p \rightarrow (q \wedge r)$<br>b. $p \rightarrow (q \vee r)$<br>c. $p \wedge (q \vee r)$<br>d. $p \vee (q \wedge r)$ |
|---|---|---|
| | A | a |
| | B | b |
| | C | c |
| | D | d |
| | E | None of the above |
| | Correct Answer | A |
| | Marks | 1 |

| 3 | Question Description | Consider a pipelined processor operating at 2 GHZ with 5 stages, Instruction fetch (IF), Instruction decode (ID), Execute (EX), Memory access (MEM), and write back (WB). Each stage of the pipeline, except the EX-stage, takes one cycle. The EX takes one cycle for ADD and SUB, three cycles for MUL, and two cycles for DIV Instruction. Consider the following instructions: Find, the number of true data dependences in the above code and the execution time using operand forwarding technique respectively is____. |
|---|---|---|
| | A | 2, 5.5 ns |
| | B | 5, 5.0 ns |
| | C | 3, 4.2 ns |
| | D | 2, 3.0 ns |
| | E | None of the above |
| | Correct Answer | A |
| | Marks | 1 |

| 4 | Question Description | Which of the following specifies a set of media access control (MAC) and physical layer specifications for implementing WLANs? |
|---|---|---|
| | A | IEEE 802.11 |
| | B | IEEE 802.16 |
| | C | IEEE 802.15 |
| | D | IEEE 802.3 |
| | E | None of the above |
| | Correct Answer | A |
| | Marks | 1 |

| 5 | Question Description | In a system using a single processor, a new process arrives at the rate of six processes per minute and each such process requires seven seconds of service time. What is the CPU utilization? |
|---|---|---|
| | A | 70% |
| | B | 30% |
| | C | 60% |
| | D | 64% |
| | E | None of the above |
| | Correct Answer | A |
| | Marks | 1 |

| 6 | Question Description | The associativity of which of the following operators is Left to Right, in C++ ? |
|---|---|---|
| | A | Unary Operator |
| | B | Logical not |
| | C | Array element access |
| | D | Addressof |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

| 7 | Question Description | Which of the following concurrency control protocols ensure both conflict serializability and freedom from deadlock? I. 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 |

| 8 | Question Description | Which of the following is correct? |
|---|---|---|
| | A | B-trees are for storing data on disk and B+ trees are for main memory. |
| | B | Range queries are faster on B+ trees. |
| | C | B-trees are for primary indexes and B+ trees are for secondary indexes. |
| | D | The height of a B+ tree is independent of the number of records. |
| | E | None of the above |
| | Correct Answer | B |
| | Marks | 1 |

| 9 | Question Description | Data hazards occur when _____ |
|---|---|---|
| | A | greater performance loss |
| | B | pipeline changes the order of read/write access to operands |
| | C | some functional unit is not fully pipelined |
| | D | machine size is limited |
| | E | None of the above |
| | Correct Answer | B |
| | Marks | 1 |

| 10 | Question Description | Company X shipped 5 computer chips, 1 of which was defective. And company Y shipped 4 computer chips, 2 of which were defective. One computer chip is to be chosen uniformly at random from the 9 chips shipped by the companies. If the chosen chip is found to be defective, what is the probability that the chip came from company Y? |
|----|---|---|
| | A | 2/9 |
| | B | 4/9 |
| | C | 2/3 |
| | D | 1/2 |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

| 11 | | |
|---|---|---|
| **Question Description** | | Consider the set of integers {1, 2, 3, 4, 6, 8, 12, 24} together with the two binary operations LCM (lowest common multiple) and GCD (greatest common divisor). Which of the following algebraic structures does this represent? |
| A | | group |
| B | | ring |
| C | | field |
| D | | lattice |
| E | | None of the above |
| **Correct Answer** | | D |
| **Marks** | | 1 |

| 12 | | |
|---|---|---|
| **Question Description** | | In an 8-bit ripple carry adder using identical full adders, each full adder takes 34 ns for computing sum. If the time taken for 8-bit addition is 90 ns, find time taken by each full adder to find carry. |
| A | | 6 ns |
| B | | 7 ns |
| C | | 8 ns |
| D | | 10 ns |
| E | | None of the above |
| **Correct Answer** | | C |
| **Marks** | | 1 |

| 13 | Question Description | _____ is data-link layer vulnerability where stations are forced to make direct communication with another station by evading logical controls. |
|---|---|---|
| | A | VLAN attack |
| | B | VLAN Circumvention |
| | C | VLAN compromisation method |
| | D | Data-link evading |
| | E | None of the above |
| | Correct Answer | B |
| | Marks | 1 |

14

| Question Description | The following circuit compares two 2-bit binary numbers X and Y represented by X1, X0, and Y1, Y0 respectively (X0 and Y0 represent the Least Significant Bits). Under what conditions Z will be 1?<br>  a. X > Y<br>  b. X < Y<br>  c. X = Y<br>  d. X! = Y |
|---|---|
| A | a |
| B | b |
| C | c |
| D | d |
| E | None of the above |
| Correct Answer | A |
| Marks | 1 |

**15**

| Question Description | A network administrator is connecting hosts A and B directly through their Ethernet interfaces, as shown in the illustration. Ping attempts between the hosts are unsuccessful. What can be done to provide connectivity between the hosts? |
|---|---|



IP Address: 192.168.1.20
Mask : 255.255.255.240

IP Address : 192.168.1.201
Mask : 255.255.255.240

(i) A crossover cable should be used in place of the straight-through cable.
(ii) A rollover cable should be used in place of the straight-through cable.
(iii) The subnet masks should be set to 255.255.255.192.
(iv) A default gateway needs to be set on each host.
(v) The subnet masks should be set to 255.255.255.0.

| A | i only |
|---|---|
| B | ii only |
| C | iii and iv only |
| D | i and v only |
| E | None of the above |
| **Correct Answer** | D |
| **Marks** | 1 |

| 16 | **Question Description** | A company needs to develop digital signal processing software for one of its newest inventions. The software is expected to have 60000 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 2.8 for the software development on embedded systems, while the exponentiation factor is given as 1.20. What is the estimated effort in person-months? |
|---|---|---|
| | A | 201.60 |
| | B | 432.50 |
| | C | 381.01 |
| | D | 342.40 |
| | E | None of the above |
| | **Correct Answer** | C |
| | **Marks** | 1 |

| 17 | Question Description | Which is not one of the three phases of electronic commerce? |
|---|---|---|
| | A | Reinvention |
| | B | Preservation |
| | C | Consolidation |
| | D | Innovation |
| | E | None of the above |
| | Correct Answer | B |
| | Marks | 1 |

| 18 | Question Description | Let T= {p, q, r, s, t}. The number of strings in S* of length 4 such that no symbols can be repeated. |
|---|---|---|
| | A | 120 |
| | B | 625 |
| | C | 360 |
| | D | 36 |
| | E | None of the above |
| | Correct Answer | B |
| | Marks | 1 |

| 19 | Question Description | _____is an intermediate storage area used for data processing during the extract, transform and load process of data warehousing. |
|---|---|---|
| | A | Buffer Related |
| | B | Virtual memory File Organization and Indexing MCQ Introduction and ER Model |
| | C | Staging area |
| | D | Inter-storage area |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

20

**Question Description**

Let R and S be two relations with the following schema R (P, Q, R1, R2, R3) S (P, Q, S1, S2)
Where {P, Q} is the key for both schemas. Which of the following queries are equivalent?

I.    $\Pi_P (R \bowtie S)$
II.   $\Pi_P (R) \bowtie \Pi_P (S)$
III.  $\Pi_P (\Pi_{P,Q} (R) \cap \Pi_{P,Q} (S))$
IV.   $\Pi_P (\Pi_{P,Q} (R) - (\Pi_{P,Q} (R) - \Pi_{P,Q} (S)))$

**A**    Only I and II

**B**    Only I and III

**C**    Only I, II and III

**D**    Only I, III and IV

**E**    None of the above

**Correct Answer**    D

**Marks**    1

| 21 | | |
|---|---|---|
| **Question Description** | | Which of the following is not a property of public key cryptography? |
| A | | Uses different keys |
| B | | Every user has a unique private key |
| C | | Public key can be same for number of users |
| D | | Cannot deduce private key from public key |
| E | | None of the above |
| **Correct Answer** | | C |
| **Marks** | | 1 |

| 22 | | |
|---|---|---|
| **Question Description** | | What does a foreign key combined with a primary key create? |
| A | | Network model between the tables that connect them |
| B | | The parent-Child relationship between the tables that connects them |
| C | | One to many relationships between the tables that connect them |
| D | | All of the mentioned |
| E | | None of the above |
| **Correct Answer** | | A |
| **Marks** | | 1 |

| 23 | Question Description | Most NoSQL databases support automatic _____ meaning that you get high availability and disaster recovery. |
| --- | --- | --- |
| | A | Processing |
| | B | Scalability |
| | C | Replication |
| | D | All of the options |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

| 24 | Question Description | Method signature consists of |
| --- | --- | --- |
| | A | Method Name, Return Type, and Number of Arguments |
| | B | Access Modifier, Method Name, and Types of Arguments |
| | C | Method Name, Number of Arguments, Types of Arguments, and Order of Arguments |
| | D | Return Type, Access Modifier, and Order of Arguments |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

| 25 | Question Description | Both the CISC and RISC architectures have been developed to reduce the_____. |
|---|---|---|
| | A | cost |
| | B | time delay |
| | C | semantic gap |
| | D | all of the above |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

| 26 | Question Description | |
|---|---|---|

Output?

```c
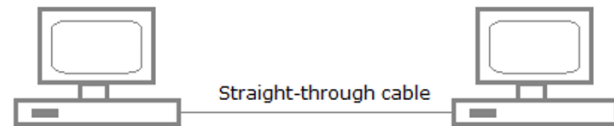#include <stdio.h>
int main()
{
    int c = 5, no = 10;
    do {
        no /= c;
    } while(c--);
    printf ("%d\n", no);
    return 0;
}
```

    a.   1
    b.   Runtime Error
    c.   0
    d.   Compiler Error

A	a
B	b
C	c
D	d
E	None of the above
Correct Answer	B
Marks	1

27	Question Description	The user IDs can be added or removed using which of the following fixed roles?
	A	db_sysadmin
	B	db_accessadmin
	C	db_securityadmin
	D	db_setupadmin
	E	None of the above
	Correct Answer	B
	Marks	1

28	Question Description	If the input to the T-flipflop is a 200 Hz signal, the final output of the three T- T-flipflops in cascade is
	A	25 Hz
	B	20 Hz
	C	50 Hz
	D	12.5 Hz
	E	None of the above
	Correct Answer	A
	Marks	1

29	Question Description	Which screen manipulation command sets the screen back to normal?
	A	tput cup
	B	tput smso
	C	tput rmso
	D	tput blink
	E	None of the above
	Correct Answer	C
	Marks	1

30	Question Description	Mostly _____ is used in wireless LAN.
	A	time division multiplexing
	B	orthogonal frequency division multiplexing
	C	space division multiplexing
	D	channel division multiplexing
	E	None of the above
	Correct Answer	B
	Marks	1

31	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

32	Question Description	Inspections and testing are what kinds of Quality Costs?
	A	Prevention
	B	Internal Failure
	C	External Failure
	D	Appraisal
	E	None of the above
	Correct Answer	D
	Marks	1

33

Question Description	Consider a 32-bit processor which supports 70 instructions. Each instruction is 32-bit long and has 4 fields namely opcode, two register identifiers, and an immediate operand of unsigned integer type. The maximum value of the immediate operand that can be supported by the processor is 8191. How many registers the processor has?
A	32
B	64
C	128
D	16
E	None of the above
Correct Answer	B
Marks	1

34		
Question Description	Consider the following statements regarding the usage of virtual memory.	

1. To free user programs from the need to carry out storage allocation and to permit efficient sharing of the available memory space among different users.

2. To make the program independent of the configuration and capacity of the physical memory for their execution.

3. To achieve higher CPU performance.

4. To achieve the very low access time and cost per bit that is possible with a memory hierarchy.

Which of the above is correct?

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

35	**Question Description**	According to an IBM research, "31% of projects are abandoned before they are completed, 53% exceed their cost projections by an average of 189 percent, and 94 projects are restarted for every 100 projects." What is the significance of these figures?
	A	Lack of software ethics and understanding
	B	Management issues in the company
	C	Lack of adequate training
	D	All of the mentioned
	E	None of the above
	Correct Answer	C
	Marks	1

36	Question Description	Let x denote the number of times heads occur in n tosses of a fair coin, If P(x = 4), P(x = 5), and P(x = 6) are in AP, then the value of n is
	A	7
	B	10
	C	12
	D	15
	E	None of the above
	Correct Answer	A
	Marks	1

37	Question Description	If a program P calls two subprograms P1 and P2 and P1 can fail 30% of the time and P2 can fail 70% of the time, what is the failure rate of the program P?
	A	21%
	B	79%
	C	67%
	D	55%
	E	None of the above
	Correct Answer	B
	Marks	1

38	Question Description	Which statement given below closely defines the term cluster?
	A	These are the groups of the same objects that differ majorly from the other objects.
	B	Symbolic representation of facts and ideas from which information can be extracted using the data mining process
	C	It is simply an operation performed on databases to simplify the information so that it can be further transformed into a machine learning algorithm.
	D	All of the above
	E	None of the above
	Correct Answer	A
	Marks	1

39	Question Description	In functional dependency, Armstrong inference rules refer to
	A	Reflexive, Augmentation, and Decomposition
	B	Transitive, Augmentation and Reflexive
	C	Augmentation, Transitive, Reflexive and Decomposition
	D	Reflexive, Transitive and Decomposition
	E	None of the above
	Correct Answer	B
	Marks	1

40	Question Description	Consider the following dependencies and the BOOK table in a relational database design. Determine the normal form of the given relation.
		ISBN -> Title
		ISBN -> Publisher
		Publisher -> Address
	A	First Normal Form
	B	Second Normal Form
	C	Third Normal Form
	D	BCNF
	E	None of the above
	Correct Answer	B
	Marks	1

41	Question Description	Let G be a connected planar graph with 10 vertices. If the number of edges on each face is three, then the number of edges in G is_____.
	A	24
	B	12
	C	18
	D	21
	E	None of the above
	Correct Answer	A
	Marks	1

42	Question Description	What rules of inference are used in this argument?
		"It is either colder than the Himalayas today or the pollution is harmful. It is hotter than the Himalayas today. Therefore, the pollution is harmful."
	A	Conjunction
	B	Modus ponens
	C	Disjunctive syllogism
	D	Hypothetical syllogism
	E	None of the above
	Correct Answer	C
	Marks	1

43	Question Description	If the NFA of 5 states excluding the initial state is converted into DFA, the maximum possible number of states for the DFA is?
	A	64
	B	32
	C	128
	D	187
	E	None of the above
	Correct Answer	A
	Marks	1

44	Question Description	___ is a transmission method used in MIMO wireless communications to transmit encoded data signals independently.
	A	MU-MIMO
	B	STTD
	C	SM
	D	Collaborative Uplink MIMO
	E	None of the above
	Correct Answer	C
	Marks	1

45	**Question Description**	Cleanroom software development process complies with the operational analysis principles by using a method called known as
	A	referential transparency
	B	degenerative error correction
	C	box structure specification
	D	none of the mentioned
	E	None of the above
	Correct Answer	C
	Marks	1

46	**Question Description**	_____ denotes the largest timestamp of any transaction that executed write(Q) successfully.
	A	W-timestamp(Q)
	B	R-timestamp(Q)
	C	RW-timestamp(Q)
	D	WR-timestamp(Q)
	E	None of the above
	Correct Answer	A
	Marks	1

47	Question Description	Inspections and testing are what kinds of Quality Costs?
	A	Prevention
	B	Internal Failure
	C	External Failure
	D	Appraisal
	E	None of the above
	Correct Answer	D
	Marks	1

48	Question Description	fseek() should be preferred over rewind() mainly because
	A	rewind() doesn't work for empty files
	B	rewind() may fail for large files
	C	In rewind, there is no way to check if the operations were completed successfully
	D	All of the above
	E	None of the above
	Correct Answer	C
	Marks	1

Question Description	Consider the following statements.
	I. The complement of every Turing decidable language is Turing decidable
	II. There exists some language which is in NP but is not Turing decidable
	III. If L is a language in NP, L is Turing decidable
	Which of the above statements is/are true?
A	Only II
B	Only III
C	Only I and II
D	Only I and III
E	None of the above
Correct Answer	D
Marks	1

49

50	
Question Description	What is the probability that in a randomly chosen group of r people, at least three people have the same birthday?
	a. $1 - \dfrac{365 \cdot 364 \dots (365 - r - 1)}{365^r}$
	b. $\dfrac{365 \cdot 364 \dots (365 - r + 1)}{365^r} + r_{C_1} 365 \dfrac{364 \cdot 363 \dots (364 - (r-2)+1)}{365^{r+2}}$
	c. $1 - \dfrac{365 \cdot 364 \dots (365 - r + 1)}{365^r} - r_{C_1} 365 \dfrac{364 \cdot 363 \dots (364 - (r-2)+1)}{365^{r-2}}$
	d. $\dfrac{365 \cdot 364 \dots (365 - r + 1)}{365^r}$
A	a
B	b
C	c
D	d
E	None of the above
Correct Answer	C
Marks	1

51

Comprehension	Read the following Passage and answer the questions below: 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

Comprehension	Read the following Passage and answer the questions below: 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** | Read the following Passage and answer the questions below:

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 |

54	
Comprehension	Read the following Passage and answer the questions below: 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

55	Comprehension	Read the following Passage and answer the questions below: 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

56	Question Description	Where did PM lay the foundation stone of three semiconductor facilities worth 1.25 Lakh Crore?
	A	Gujarat and Assam
	B	Maharashtra and Kerala
	C	Gujarat and Uttar Pradesh
	D	Karnataka and Rajasthan
	E	None of the above
	Correct Answer	A
	Marks	1

57	Question Description	What is the primary purpose of the 'Agray' and 'Akshay' ships launched by the Indian Navy?
	A	Anti-Submarine Warfare
	B	Amphibious Assault
	C	Maritime Surveillance
	D	Naval Logistics
	E	None of the above
	Correct Answer	A
	Marks	1

58	Question Description	Where is India's largest Solar and Battery Energy Storage Systems project completed by Tata Power Solar Systems Limited located?
	A	Maharashtra
	B	Karnataka
	C	Chhattisgarh
	D	Gujarat
	E	None of the above
	Correct Answer	C
	Marks	1

59	Question Description	When is National Doctors' Day celebrated?
	A	March 30
	B	March 31
	C	May 30
	D	June 30
	E	None of the above
	Correct Answer	A
	Marks	1

60	Question Description	Which Indian state has become the first to have a Uniform Civil Code (UCC) Act?
	A	Rajasthan
	B	Gujarat
	C	Uttarakhand
	D	Maharashtra
	E	None of the above
	Correct Answer	C
	Marks	1

61	Question Description	In which state has Adani Group's world's largest single-location copper manufacturing plant begun operations?
	A	Maharashtra
	B	Gujarat
	C	Rajasthan
	D	Karnataka
	E	None of the above
	Correct Answer	B
	Marks	1

62	Question Description	How many traditional products from across India were granted the GI Tag?
	A	50
	B	60
	C	70
	D	80
	E	None of the above
	Correct Answer	B
	Marks	1

63	Question Description	In which Indian state was the Sela Tunnel project virtually inaugurated?
	A	Assam
	B	Manipur
	C	Arunachal Pradesh
	D	Nagaland
	E	None of the above
	Correct Answer	C
	Marks	1

64	Question Description	How many phases will the Lok Sabha Elections 2024 be held in?
	A	5 Phases
	B	6 Phases
	C	7 Phases
	D	8 Phases
	E	None of the above
	Correct Answer	C
	Marks	1

65	Question Description	When does India celebrate National Maritime Week?
	A	April 1 to April 7
	B	March 29 to April 5
	C	May 15 to May 22
	D	June 5 to June 12
	E	None of the above
	Correct Answer	B
	Marks	1

66	Question Description	Which of the following is the third letter of the meaningful English word which can be formed using (each letter once) first, third, fourth, sixth, eighth and ninth letters of "ASTRONAUT"?
	A	T
	B	U
	C	R
	D	N
	E	None of the above
	Correct Answer	B
	Marks	1

67	**Question Description**
A	A
B	B
C	C
D	D
E	None of the above
Correct Answer	C
Marks	1

68	Question Description	Chug : Train : : Bang : ?
	A	House
	B	Animal
	C	Door
	D	Man
	E	None of the above
	Correct Answer	C
	Marks	1

69

Question Description	
	Find missing number

15	5	7	10
64	4	5	?
91	?	9	22

A	21,7
B	12,4
C	24,8
D	35,5
E	None of the above
Correct Answer	A
Marks	1

70 **Question Description**	Is the average age of the students of a school less than 17 years? **Statement I :** The strength of the class VIII is less than 25% of the strength of the school. **Statement II :** The average age of the students of class VIII of the school is 18 years and that of the remaining classes is 16 years.
A	If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question
B	If the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
C	If the data either in statement I alone or in statement II alone is sufficient to answer the question
D	If the data in both statements I and II together are necessary to answer the question
E	None of the above
Correct Answer	D
Marks	1

71	Question Description	Complete the series: 7, 13, 25, 45, 75, ?
	A	117
	B	153
	C	209
	D	123
	E	None of the above
	Correct Answer	A
	Marks	1
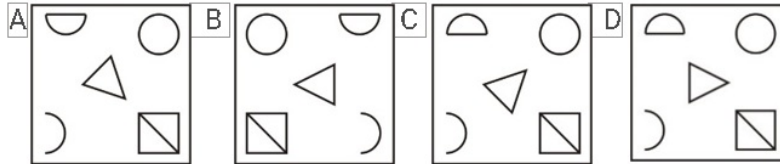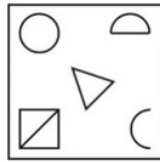
72	Question Description	
		Find the mirror image
A	A	
B	B	
C	C	
D	D	
E	None of the above	
Correct Answer	C	
Marks	1	
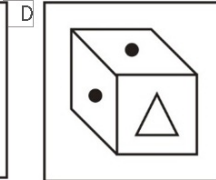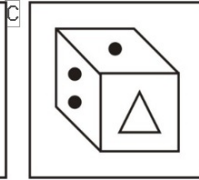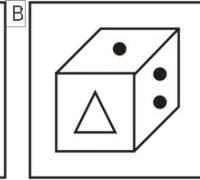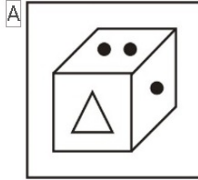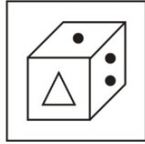
73 **Question Description**	Find the mirror image
A	A
B	B
C	C
D	D
E	None of the above
Correct Answer	C
Marks	1

74	Question Description	The ratio of the speeds of the train and the man is 6 : 1. The length of the train is 650m and crosses a pole in 1 minute 5 seconds. In how much time will the man cross the 240m long platform?
	A	1 minute 24 seconds
	B	2 minutes 30 seconds
	C	2 minutes
	D	2 minutes 24 seconds
	E	None of the above
	Correct Answer	D
	Marks	1

Question Description	**Amit, Anil and Ajit ride from home to their common office with speeds in the ratio 5 : 4 : 3. If in total they take 94 minutes (sum of the individual time taken) to cover the individual distance(which is same for all), then find the time taken by 'Anil' to cover his distance.**
A	30 min
B	48 min
C	24 min
D	40 min
E	None of the above
Correct Answer	A
Marks	1

75