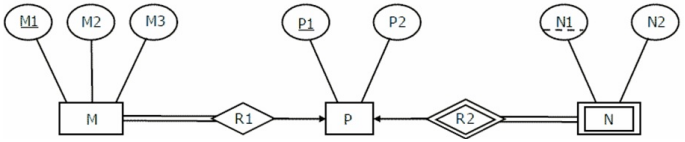
Computer Based Examination System

Exported On *	2022/06/27 13:02:58
Title *	Question Paper Answer Key
OES Exam *	GPSC08202112 / System Analyst / Completed / 2022-06-26

1

Question Description	Consider a relational table with a single record for each registered student with the following attributes. 1. Registration_Number: Unique registration number for each registered student 2. UID: Unique Identity number, unique at the national level for each citizen 3. BankAccount_Number: Unique account number at the bank. A student can have multiple accounts or joint accounts. This attributes stores the primary account number. 4. Name: Name of the Student 5. Hostel_Room: Room number of the hostel Which of the following options is INCORRECT?
A	If S is a superkey such that S UID is NULL then S UID ∩ ∪ is also a superkey
B	Registration_Number can be a primary key
C	UID is a candidate key if all students are from the same country
D	BankAccount_Number is a candidate key
E	None of the above
Correct Answer	D
Marks	1

2

Question Description	Consider the following ER diagram  The minimum number of tables needed to represent M, N, P, R1, R2 is
A	2
B	3
C	4
D	5
E	None of the above
Correct Answer	B
Marks	1

3

Question Description	Database table by name Loan_Records is given below. Borrower |Bank_Manager | Loan_Amount Ramesh | Sunderajan | 10000.00 Suresh | Ramgopal | 5000.00 Mahesh | Sunderajan| 7000.00 What is the output of the following SQL query? SELECT Count(*) FROM ((SELECT Borrower, Bank_Manager FROM Loan_Records) AS S NATURAL JOIN (SELECTBank_Manager, Loan_Amount FROM Loan_Records) AS T);
A	3
B	9
C	5
D	6
E	None of the above
Correct Answer	C
Marks	1

4

Question Description	Host A has IP address 192.168.1.97 and is connected through two routers R1 and R2 to another host B with IP address 192.168.1.80. Router R1 has IP addresses 192.168.1.135 and 192.168.1.110. R2 has IP addresses 192.168.1.67 and 192.168.1.155. The netmask used in the network is 255.255.255.224. How many distinct subnets are guaranteed to already exist in the network?
A	2
B	1
C	3
D	6
E	None of the above
Correct Answer	C
Marks	1

5

Question Description	A relational schema for a train reservation database is given below. Passenger (pid, pname, age) Reservation (pid, class, tid) Table: Passenger pidpname age ---------- 0 Sachin 65 1 Rahul 66 2 Sourav 67 3 Anil 69 Table : Reservation pid classtid ---------- 0 AC 8200 1 AC 8201 2 SC 8201 5 AC 8203 1 SC 8204 3 AC 8202 What pids are returned by the following SQL query for the above instance of the tables? SELECT pid FROM Reservation , WHERE class ‘AC’ AND EXISTS (SELECT * FROM Passenger WHERE age > 65 AND Passenger.pid = Reservation.pid)
A	1,0

B	1,2
C	1,3
D	1,5
E	None of the above
Correct Answer	C
Marks	1

6

Question Description	The best time(s) when regression testing should be done? 1. As frequently as possible 2. When the environment has been modified 3. After the software has been modified Which of the following statements are correct?
A	2,3
B	1,3
C	2
D	3
E	None of the above
Correct Answer	A
Marks	1

7		
	Question Description	Consider the following three statements about link state and distance vector routing protocols, for a large network with 765 network nodes and 3000 links. 1. The computational overhead in link state protocols is higher than in distance vector protocols. 2. After a topology change, a link state protocol will converge faster than a distance vector protocol. 3. A distance vector protocol (with split horizon) avoids persistent routing loops, but not a link state protocol. Which one of the following is correct about 1, 2, and 3 ?
	A	1,2,3 are true
	B	1,2 are true but 3 is false
	C	1,3 are true but 2 is false
	D	1,2,3 are false
	E	None of the above
	Correct Answer	C
	Marks	1

8	**Question Description**	_____ shows a full or partial view of the structure within a precise time for a modelled system?
	A	Sequence Diagram
	B	Collaboration Diagram
	C	Class Diagram
	D	Object Diagram
	E	None of the above
	Correct Answer	D
	Marks	1

9	**Question Description**	The address of a class B host is to be split into subnets with a 6-bit subnet number. What is the maximum number of subnets and the maximum number of hosts in each subnet?
	A	62 subnets and 262142 hosts.
	B	64 subnets and 262142 hosts.
	C	62 subnets and 1022 hosts.
	D	64 subnets and 1024 hosts.
	E	None of the above
	Correct Answer	C
	Marks	1

10		
	Question Description	Who is responsible for designing templates in a content management system?
	A	Web Developer
	B	Admin User
	C	Content Writer
	D	Database admin
	E	None of the above
	Correct Answer	C
	Marks	1

11		
	Question Description	Which one of these is NOT true about a Firewall?
	A	It can maintain logs
	B	It protects against viruses that are in the PC
	C	It is used to enforce a Security Policy
	D	It can shield internal network from the outside insecure network
	E	None of the above
	Correct Answer	B
	Marks	1

12		
	Question Description	Consider the following C++ code: #include<iostream> using namespace std; enum test { a=1, b, c

	};
	int main()
	{
	int x = c;
	int&y = x;
	int&z = x;
	y = b;
	--y;
	cout<< z--;
	return 0;
	}

A	0
B	1
C	2
D	3
E	None of the above

	Correct Answer	B
13	**Marks**	1
	Question Description	Which one of the following are essential features of object oriented language? 1. Abstraction and encapsulation 2. Strictly-typed 3. Type-safe property coupled with sub-type rule 4. Polymorphism in the presence of inheritance
	A	1 and 2 only
	B	1, 4 and 2 only
	C	1 and 4 only
	D	1, 3 and 4 only
	E	None of the above

Correct Answer	C
Marks	1

14

Question Description	Which of the following C++ code will give error on compilation?
	Code 1:
	#include <iostream>
	using namespace std;
	int main(intargc, char const *argv[])
	{
	cout<<"Hello World";
	return 0;
	}
	Code 2:
	#include <iostream>
	int main(intargc, char const *argv[])
	{
	std::cout<<"Hello World";
	return 0;
	}

A	Code 1 only
B	Code 2 only

C	Neither Code 1 nor Code 2
D	Both Code 1 and Code 2
E	None of the above
Correct Answer	C
Marks	1

15

Question Description	Three routers A,B,C are connected serially with links A-B,B-C. The routers exchange distance vector routing information and have converged on the routing tables, after which the link B-C fails. Assume that AA and BB send out routing updates at random times, each at the same average rate. The probability of a routing loop formation (rounded off to one decimal place) between AA and BB, leading to count-to-infinity problem, is _____.
A	0.2
B	0.8
C	1.0
D	0.5
E	None of the above
Correct Answer	D
Marks	1

16

Question Description	Which of the following is not an attack in network security?
A	Masquerading attack
B	Man in the middle attack
C	Insinuation attack
D	Denial of Service attack
E	None of the above
Correct Answer	C
Marks	1

17

Question Description	The Octal number to be given along with chmod command to make a file readable, writable and executable to the owner, readable and executable to group and others is:
A	277
B	755
C	744
D	555
E	None of the above
Correct Answer	B
Marks	1

18

Question Description	What are those objects called which are used for storing data on the client provided by the HTML local storage?
A	windows.localStorage
B	windows.sessionStorage
C	Both A and B
D	Compact Disk(CD)
E	None of the above
Correct Answer	C
Marks	1

19		
	Question Description	The domain name system is maintained by _____
	A	Distributed Servers
	B	Distributed Database System
	C	Distributed Computer Network
	D	None of the above
	E	None of the above
	Correct Answer	B
	Marks	1

20		
	Question Description	Exception handling is possible in SQL Server using _____
	A	FINAL
	B	THROW
	C	FINALLY
	D	PUT
	E	None of the above
	Correct Answer	B
	Marks	1

21		

	Question Description	Consider the following java code snippet
		booleanisPowerOfTwo (int x) {
		// Insert code here
		}
		Which of the following options determines whether the number is power of 2?

	A	return x!=0 && (((x-1)&(x-1)) == 0);
	B	return x!=0 && ((x&(x+1)) == 0);
	C	return x!=0 && (((x-1)&(x+1)) == 0);
	D	return x!=0 && ((x&(x-1)) == 0);
	E	None of the above
	Correct Answer	D
	Marks	1

22

Question Description	Every host in an IPv4 network has a 1-second resolution real-time clock with battery backup. Each host needs to generate up to 1000 unique identifiers per second. Assume that each host has a globally unique IPv4 address. Design a 48-bit globally unique ID for this purpose. After what period (in seconds) will the identifiers generated by a host wrap around?
A	32
B	64
C	128
D	256
E	None of the above
Correct Answer	B
Marks	1

23

Question Description	In agile method Which of these isn't a sprint event?
A	Sprint Planning
B	Daily Stand Up
C	Sprint Subjugation
D	Sprint Review
E	None of the above
Correct Answer	C
Marks	1

24

Question Description	Reorder the following activities in requirement elicitation process: 1. Consolidation 2. Evaluation 3. Listing out Requirements 4. Identifying Stakeholders 5. Prioritizing 6. Requirements Gathering
A	2,5,4,1,3,6
B	4,3,6,2,5,1
C	3,4,6,5,1,2
D	4,3,6,2,1,5
E	None of the above
Correct Answer	B
Marks	1

25

Question Description	Consider a database that has the relation schema EMP (EmpId, EmpName, and DeptName). An instance of the schema EMP and a SQL query on it are given below. Emp | EmpName | DeptName 1 | XYA | AA 2 | XYB | AA 3 | XYC | AA 4 | XYD | AA 5 | XYE | AB 6 | XYF | AB 7 | XYG | AB 8 | XYH | AC 9 | XYI | AC 10 | XYJ | AC 11 | XYK | AD 12 | XYL | AD 13 | XYM | AE The SQL query is as follows: Select avg(EC.num) From EC Where(DeptName, Num) IN (Select DeptName, Count(Empid) AS EC(DeptName,Num) From EMP Group by DeptName)
A	2.9
B	2.8

26	**Question Description**	Does Apache act as Proxy server?
	A	Yes, using priv_proxy module.
	B	Yes, by default
	C	Yes, using mod_proxy module.
	D	No
	E	None of the above
	Correct Answer	C
	Marks	1
27	**Question Description**	In which part of the HTML metadata is contained?
	A	Head Tag
	B	Title Tag
	C	Body Tag
	D	Html Tag
	E	None of the above
	Correct Answer	A
	Marks	1
28		

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	B
Marks	1

29	**Question Description**	A company needs to develop digital signal processing software for one of its newest inventions. The software is expected to have 40000 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	234.25
	B	230.5
	C	232
	D	238.14
	E	None of the above
	Correct Answer	A
	Marks	1

30	**Question Description**	Constraints can be represented in UML by
	A	Constraint
	B	[text]
	C	{text}
	D	(text)
	E	None of the above
	Correct Answer	C
	Marks	1

31		
	Comprehension	Read the passage and answer the following questions Of all areas of learning the most important is the development of attitudes. Emotional reactions as well as logical thoughts process affect the behaviour of most people. The burnt child fears the fire" is one instance, another is the rise of despots like Hitler. Both these examples also point out the fact that attitudes stem from experiences. In the one case, it was direct and impressive, in the other it was indirect and cumulative. The Nazis were indoctrinated largely by the speeches they heard and the books they read. The class-room teacher in the elementary school is in a strategic position to influence attitudes.
	Question Description	Identify from the options given below, a word or phrase that is a synonym of the term 'cumulative' in the sense it is used in the passage
	A	unimpressive
	B	immediate
	C	snowballing
	D	delayed
	E	None of the above
	Correct Answer	C
	Marks	1

32	**Comprehension**	Read the passage and answer the following questions Of all areas of learning the most important is the development of attitudes. Emotional reactions as well as logical thoughts process affect the behaviour of most people. The burnt child fears the fire" is one instance, another is the rise of despots like Hitler. Both these examples also point out the fact that attitudes stem from experiences. In the one case, it was direct and impressive, in the other it was indirect and cumulative. The Nazis were indoctrinated largely by the speeches they heard and the books they read. The class-room teacher in the elementary school is in a strategic position to influence attitudes.
	Question Description	From the passage it appears that the term 'attitudes' means ----
	A	fear of the burnt child
	B	experiences of most people
	C	emotional responses and logical thinking
	D	thinking, feeling and behaviour
	E	None of the above
	Correct Answer	D
	Marks	1

33		
	Comprehension	Read the passage and answer the following questions Of all areas of learning the most important is the development of attitudes. Emotional reactions as well as logical thoughts process affect the behaviour of most people. The burnt child fears the fire" is one instance, another is the rise of despots like Hitler. Both these examples also point out the fact that attitudes stem from experiences. In the one case, it was direct and impressive, in the other it was indirect and cumulative. The Nazis were indoctrinated largely by the speeches they heard and the books they read. The class-room teacher in the elementary school is in a strategic position to influence attitudes.
	Question Description	Identify from the options given below, the word or phrase that is markedly antonymous of 'despot'
	A	tyrant
	B	monarch
	C	democrat
	D	autocrat
	E	None of the above
	Correct Answer	C
	Marks	1

34		
	Comprehension	Read the passage and answer the following questions Of all areas of learning the most important is the development of attitudes. Emotional reactions as well as logical thoughts process affect the behaviour of most people. The burnt child fears the fire" is one instance, another is the rise of despots like Hitler. Both these examples also point out the fact that attitudes stem from experiences. In the one case, it was direct and impressive, in the other it was indirect and cumulative. The Nazis were indoctrinated largely by the speeches they heard and the books they read. The class-room teacher in the elementary school is in a strategic position to influence attitudes.
	Question Description	As per the passage, "The classroom teacher is in a strategic position to influence attitudes" because
	A	Attitudes are shaped by speeches heard and books read
	B	A teacher can shape attitudes through direct and indirect ways
	C	Of all areas of learning developing attitudes is most important.
	D	A teacher has direct as well as indirect access to the students
	E	None of the above
	Correct Answer	B
	Marks	1

35		
	Comprehension	Read the passage and answer the following questions Of all areas of learning the most important is the development of attitudes. Emotional reactions as well as logical thoughts process affect the behaviour of most people. The burnt child fears the fire" is one instance, another is the rise of despots like Hitler. Both these examples also point out the fact that attitudes stem from experiences. In the one case, it was direct and impressive, in the other it was indirect and cumulative. The Nazis were indoctrinated largely by the speeches they heard and the books they read. The class-room teacher in the elementary school is in a strategic position to influence attitudes.
	Question Description	Attitudes of most people can be gauged by
	A	their behaviour
	B	past experiences
	C	logical thought process
	D	emotional responses
	E	None of the above
	Correct Answer	A
	Marks	1

36	**Comprehension**	Read the passage and answer the following question: A broad range of decisions, situations and problems may be encountered in the real estate field. An illustrative one is the question of whether to buy or lease. In some cases, of course, there may be no real choice. A company may have special requirements that make leasing difficult. Or they may be such a shortage of capital that owning is out of the question. But often such restrictions do not apply. Some managers may prefer to develop policies to guide decisions as to ownership or leasing of real property. The experiences of some businessmen bias them in favour of ownership. For example, a manager who has lost a desirable location through the expiration of a lease is likely to establish the policy that ownership is to be preferred in all but the most favourable lease situation. The company which uses its location extensively in advertising and public relation efforts is apt to favour ownership very strongly against leasing.
	Question Description	Select a word or phrase from the passage which is not necessarily confined to ‘real estate’
	A	capital
	B	real property
	C	leasing
	D	ownership
	E	None of the above
	Correct Answer	A
	Marks	1

37	**Comprehension**	Read the passage and answer the following question: A broad range of decisions, situations and problems may be encountered in the real estate field. An illustrative one is the question of whether to buy or lease. In some cases, of course, there may be no real choice. A company may have special requirements that make leasing difficult. Or they may be such a shortage of capital that owning is out of the question. But often such restrictions do not apply. Some managers may prefer to develop policies to guide decisions as to ownership or leasing of real property. The experiences of some businessmen bias them in favour of ownership. For example, a manager who has lost a desirable location through the expiration of a lease is likely to establish the policy that ownership is to be preferred in all but the most favourable lease situation. The company which uses its location extensively in advertising and public relation efforts is apt to favour ownership very strongly against leasing.
	Question Description	From the options given below, select the one which is obviously used in the passage with more than one meaning
	A	leasing
	B	real
	C	capital
	D	policy
	E	None of the above
	Correct Answer	B
	Marks	1
38		

Comprehension	Read the passage and answer the following question: A broad range of decisions, situations and problems may be encountered in the real estate field. An illustrative one is the question of whether to buy or lease. In some cases, of course, there may be no real choice. A company may have special requirements that make leasing difficult. Or they may be such a shortage of capital that owning is out of the question. But often such restrictions do not apply. Some managers may prefer to develop policies to guide decisions as to ownership or leasing of real property. The experiences of some businessmen bias them in favour of ownership. For example, a manager who has lost a desirable location through the expiration of a lease is likely to establish the policy that ownership is to be preferred in all but the most favourable lease situation. The company which uses its location extensively in advertising and public relation efforts is apt to favour ownership very strongly against leasing.
Question Description	As per the passage, a major problem encountered with regard to real estate is
A	to make a wide range of decisions
B	having no real choice
C	the choice of whether to buy or lease
D	shortage of capital
E	None of the above
Correct Answer	C
Marks	1

39	**Comprehension**	Read the passage and answer the following question: A broad range of decisions, situations and problems may be encountered in the real estate field. An illustrative one is the question of whether to buy or lease. In some cases, of course, there may be no real choice. A company may have special requirements that make leasing difficult. Or they may be such a shortage of capital that owning is out of the question. But often such restrictions do not apply. Some managers may prefer to develop policies to guide decisions as to ownership or leasing of real property. The experiences of some businessmen bias them in favour of ownership. For example, a manager who has lost a desirable location through the expiration of a lease is likely to establish the policy that ownership is to be preferred in all but the most favourable lease situation. The company which uses its location extensively in advertising and public relation efforts is apt to favour ownership very strongly against leasing.
	Question Description	Ownership may not be preferred by a company that
	A	makes extensive use of location
	B	has shortage of capital
	C	has requirements that make leasing difficult
	D	has lost a location due to expiry of lease
	E	None of the above
	Correct Answer	B
	Marks	1

40		
	Comprehension	Read the passage and answer the following question: A broad range of decisions, situations and problems may be encountered in the real estate field. An illustrative one is the question of whether to buy or lease. In some cases, of course, there may be no real choice. A company may have special requirements that make leasing difficult. Or they may be such a shortage of capital that owning is out of the question. But often such restrictions do not apply. Some managers may prefer to develop policies to guide decisions as to ownership or leasing of real property. The experiences of some businessmen bias them in favour of ownership. For example, a manager who has lost a desirable location through the expiration of a lease is likely to establish the policy that ownership is to be preferred in all but the most favourable lease situation. The company which uses its location extensively in advertising and public relation efforts is apt to favour ownership very strongly against leasing.
	Question Description	As per the passage, the decision with regard to owning property is often based on
	A	the policies of managers
	B	the foresight of managers
	C	the restrictions on the company
	D	the experiences of losing leased property
	E	None of the above
	Correct Answer	D
	Marks	1

41		
	Question Description	Who has inaugurated North India's first Industrial Biotech Park at Kathua in J&K?
	A	Narendra Modi
	B	Manoj Sinha
	C	Jitendra Singh
	D	Rajnath Singh
	E	None of the above
	Correct Answer	C
	Marks	1

42		
	Question Description	What is the theme of World Oceans Day 2022?
	A	Innovation for a Sustainable Ocean
	B	Ocean: Life and livelihoods
	C	Gender and the Ocean
	D	Revitalisation: Collective Action for the Ocean
	E	None of the above
	Correct Answer	D
	Marks	1

43		
	Question Description	Which year has Google Lens launched on the desktop through Google Chrome?
	A	2022
	B	2020
	C	2021
	D	2019
	E	None of the above
	Correct Answer	C
	Marks	1

44		
	Question Description	Central Arid Zone Research Institute is located in
	A	Bihar
	B	Gujarat
	C	Rajasthan
	D	Madhya Pradesh
	E	None of the above
	Correct Answer	C
	Marks	1

45		
	Question Description	Decibel is the unit for
	A	speed of light
	B	radio wave frequency
	C	intensity of sound
	D	intensity of heat
	E	None of the above
	Correct Answer	C
	Marks	1

46		
	Question Description	What is the theme of the 'World Environment Day 2022'?
	A	50th Environment Day
	B	Only One Earth
	C	Live with the Nature
	D	Invest in our Planet
	E	None of the above
	Correct Answer	B
	Marks	1

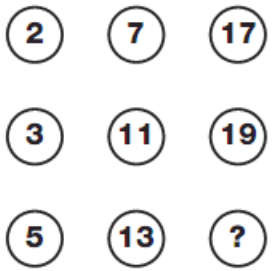
47		
	Question Description	Which city is called 'White City' of Rajasthan?
	A	Bihar
	B	Jaipur
	C	Udaipur
	D	Jodhpur
	E	None of the above
	Correct Answer	C
	Marks	1

48		
	Question Description	Tripitakas are sacred books of
	A	Buddhists
	B	Hindus
	C	Jains
	D	Christianity
	E	None of the above
	Correct Answer	A
	Marks	1

49		
	Question Description	National Maritime Day of India falls on
	A	April 5
	B	June 5
	C	October 5
	D	September 5
	E	None of the above
	Correct Answer	A
	Marks	1

50		
	Question Description	The 'Cannes Award' is given for excellence in which field?
	A	Films
	B	Journalism
	C	Literature
	D	Economics
	E	None of the above
	Correct Answer	A
	Marks	1

51

Question Description	Which number replaces the question mark? 
A	25
B	41
C	18
D	23
E	None of the above
Correct Answer	D
Marks	1

52

Question Description

For the word given on the top of the table, match the dictionary definitions given in the left hand column (A,B,C,D) with their corresponding usage given in the right hand column (EFGH). Out of the four choices given below the table, identify the one that has all definitions and usage correctly matched and mark its choice as your answer.

Up

A	towards or in a higher place	E	Are the children still up?
B	out of bed	F	Ever since they started the business, it has been on the up and up.
C	improving and becoming more successful especially financially	G	I sat up when I heard the news.
D	into an upright or raised position	H	We trudged slowly up the hill.

A

A	B	C	D
E	H	G	F

B

A	B	C	D
H	E	G	F

C

A	B	C	D
E	H	F	G

D

A	B	C	D
H	E	F	G

E

None of the above

Correct Answer

D

53

Question Description	225 : 12 : 435 : ?
A	12
B	20
C	25
D	19
E	None of the above
Correct Answer	D
Marks	1

54

Question Description	Running at the same constant rate, 6 identical machines can produce a total of 270 bottles per minute. At this rate, how many bottles could 10 such machines produce in 4 minutes?
A	648
B	1800
C	2700
D	10800
E	None of the above
Correct Answer	B
Marks	1

55

Question Description	A man is facing west. He turns 45° in the clockwise direction and then another 180° in the same direction and then 270° in the anti-clockwise direction. Which direction is he facing now?
A	South
B	North-west
C	West
D	South-west
E	None of the above
Correct Answer	D
Marks	1

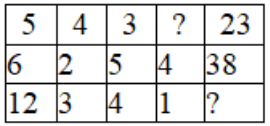
56

Question Description	Directions: Study the following information carefully and answer the questions given below: Twelve persons are sitting in two parallel rows containing six persons each, in such a way that there is an equal distance between adjacent persons. In row 1 – Joshi, Jaya, Jeet, Jamal, Juber and Jina are seated and all of them are facing south. In row 2 – Prem, Pinu, Pal, Punj, Poran and Pooja are seated and all of them are facing north. Therefore, in the given seating arrangement each member seated in a row faces another member of the other row. Only one person sits between Jaya and Jina. Joshi sits third to the left of Juber. Neither Prem nor Poran faces Juber or Joshi. Prem does not sit at an extreme end. Jeet does not face Prem and Jeet does not sit at an extreme end of the line. Prem sits second to the right of Poran. Only one person sits between Pooja and Pal. Neither Joshi nor Jubersit's at extreme end of the line. Pooja is not an immediate neighbour of Pinu and Prem does not face Jina. Neither Pooja nor does Pal face Juber. Pal does not sit at the extreme end. How many person(s) sit(s) between Juber and Joshi?
A	None
B	One
C	Two
D	Three
E	None of the above
Correct Answer	C
Marks	1

57

Question Description	Divya started from her house at 6:30 AM and travelled some distance till 7:30 AM. After covering 75% of that distance further, she found that she had covered 75% of total distance. Find the fraction of the total distance travelled by her by 8:30 AM. (Given: She travels total distance with a constant speed)
A	3/7
B	4/7
C	6/7
D	2/3
E	None of the above
Correct Answer	C
Marks	1

58

Question Description	Find the missing numbers 
A	2 and 51
B	4 and 40
C	2 and 10
D	8 and 25
E	None of the above
Correct Answer	A
Marks	1

59

Question Description	Preet's family had 6 members Preet, Geet, Shiva, Roop, Daya and Moni. Each of them was related to Preet in some manner: Mother, Father, Sister, Wife and Brother. They were seated in a row, facing east. They were aged differently. It is known that any child and his/her spouse would be younger to his/her parents. Any husband would not necessarily be elder to his wife. Preet's wife was 32 years old. Preet's father was 7 years younger than Preet's mother. Geet was 29 years old and was to the immediate left of Preet's brother. Daya was seated at one of the extreme ends at a gap of 3 from Preet's father. Preet's father was to the immediate right of the one who was 30 years old. Daya was 33 years elder to Moni. Preet was 3rd to the left of his sister. The one who was 34 years old was neighboringDaya. Roop was to the immediate left of Moni. Who among the following is the youngest in the family?
A	Preet
B	Preet’s wife
C	Preet’s sister
D	Shiva
E	None of the above
Correct Answer	C
Marks	1

60

Question Description	The following questions are based on the two digit numbers given below: 91 , 82 , 64 , 49 , 81 If each number is multiplied by 5, what will be the sum of the first digit of the each of the numbers?
A	17
B	21
C	15
D	16
E	None of the above
Correct Answer	A
Marks	1

61

Question Description	Seven people – A, B, C, D, E, F and G – are having different hobbies, viz., Travelling, Reading, Dancing, Painting, Sculpting, Singing and Pottery making, but not necessarily in the same order. Each of them belong to different State, viz., Punjab, Odisha, Kerala, Rajasthan, Maharastra, Gujarat and Karnataka, but not necessarily in the same order. A belongs to Maharastra. D likes pottery making. The person who likes sculpting is from the State of Odisha. The person who likes dancing is from the State of Gujarat. F does not belong to Gujarat, Odisha, Punjab or Rajasthan. F does not like singing, reading or painting. B does not belong to Kerala, Odisha, Punjab or Rajasthan. B does not like painting, travelling, reading or singing. C does not like sculpting and he is not from Rajasthan or Punjab. Neither D nor G belongs to Punjab. A does not like reading. The person from Kerala likes singing. Who among the following likes singing?
A	A
B	C
C	E
D	G
E	None of the above
Correct Answer	B
Marks	1

62

Question Description	When Anup saw Sandeep, he recalled, “He is the son of the father of my daughter’s mother.” Who is Sandeep to Anup?
A	Brother-in-law
B	Brother
C	Cousin
D	Uncle
E	None of the above
Correct Answer	A
Marks	1

63

Question Description	What will be the addition of the third digit from the right end and the fourth digit from the left end of the number ‘768395241’ after arranging all its digits in descending order?
A	8
B	12
C	17
D	15
E	None of the above
Correct Answer	E
Marks	1

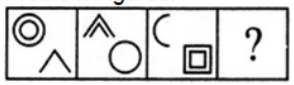
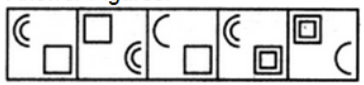
64

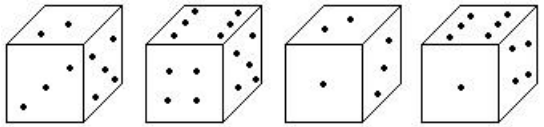
Question Description	There is a certain relationship between two given pair on both side of '::' . One word is given on another side of '::' while another word is to be found from the given options, having the same relation with this word as the words of the given pair . Choose the correct word from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

65

Question Description	Ankit, Ankush, Amjad, Akash, Akshay, Ashish, Ashad and Arman, were sitting around a circular table, facing towards the centre. These persons were playing cards and have won a different amount of money. Amjad was sitting neighboring Ankush and Ashish and won Rs. 40. The person, who was sitting opposite to the person neighboring Ankit, won Rs. 30. One of the persons won Rs. 50. Ankush was sitting third to the right of the person, who won the highest amount. Ankit was sitting exactly opposite to the one, who won the highest amount. Every person won at least Rs. 20. Sum of the money won by Ashad and Arman was more than the money won by Ankush but less than the one who won the highest amount. The sum of the amount won by Ankit and his neighbors was Rs. 200. Ankit won the less money than his neighbors. Akash won Rs. 80, and was not an immediate neighbour of the one who won highest amount of money. Ankush and his neighbours and the person sitting opposite to him did not win the least amount of money. Arman won more money than only one person. One of the persons won Rs. 20. The person sitting opposite to Amjad won Rs. 60 which is half of the sum of the amount won by the ones, who won the highest and the lowest amount of money. How many person(s) were sitting between the ones who won the highest amount and the least amount, when counted from the left of the one who won the least amount?
A	None
B	One
C	Two
D	Three
E	None of the above
Correct Answer	A
Marks	1

66

Question Description	Select a suitable figure from the Answer Figures that would replace the question mark (?). Problem Figures:  Answer Figures: 
A	1
B	2
C	3
D	4
E	None of the above
Correct Answer	B
Marks	1

67		
	Question Description	How many points will be on the face opposite to in face which contains 2 points? 
	A	1
	B	5
	C	4
	D	6
	E	None of the above
	Correct Answer	D
	Marks	1

68

Question Description	Select the missing number from the given alternatives:
A	43,32
B	55,65
C	43,48
D	43,55
E	None of the above
Correct Answer	D
Marks	1

69

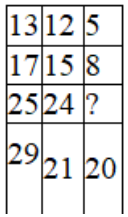
Question Description	Statements: A = B ≥ C > D ≤ E, K < L ≥ N = E, F > G ≥ B > I = J Conclusions: I. D <L, II. D = L
A	Neither C1 nor C2 follows
B	Only C1 follows
C	Both C1 and C2 follow
D	Either C1 or C2 follows
E	None of the above
Correct Answer	D
Marks	1

70

Question Description	Directions: Study the following information carefully and answer the questions given beside. In a certain code language, ‘Reach Is For Stars’ is written as ‘surdmolp’ ‘Nothing Is Out Of Reach’ is written as ‘ka su hu lklp’ ‘For Love Of Life’ is written as ‘lkmo go ma’ ‘Nothing Like Life Is’ is written as ‘lp go hu ne’ Which of the following is the code for ‘Love Like Stars’ in the given code language?
A	ma go lp
B	lkrd ne
C	ne sumo
D	rd ne ma
E	None of the above
Correct Answer	D
Marks	1

71	**Question Description**	The distance between N and P is 50 m and that between Q and R is 40 m. Q is to the west of R, which is to the east of N at a distance of 70 m. P is to the west or northwest or north of Q. If Q is to the south of P, what is the distance between P and Q?
	A	40m
	B	35m
	C	80m
	D	20m
	E	None of the above
	Correct Answer	A
	Marks	1

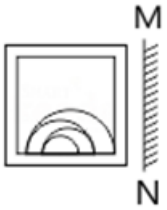
72	**Question Description**	7, 9, 12, 48, ?, 890
	A	128
	B	190
	C	172
	D	168
	E	None of the above
	Correct Answer	C
	Marks	1

73		
	Question Description	In the following question, a matrix of certain characters is given. These characters follow a certain trend, row-wise or column-wise. Find out this trend and choose the missing character accordingly 
	A	7
	B	9
	C	11
	D	15
	E	None of the above
	Correct Answer	A
	Marks	1

74

Question Description	<table><tr><td>palette</td><td>easel</td><td>brush</td></tr><tr><td>textbook</td><td>lesson plan</td><td>?</td></tr></table>
A	artist
B	teacher
C	report card
D	paint
E	None of the above
Correct Answer	C
Marks	1

75

Question Description	**Mirror images**  A B C D
A	A
B	B
C	C