

UNIVERSITY OF MYSORE

Ph.D. Entrance Examination, November - 2020

SUBJECT CODE : 15

E	Entrance Reg. No.					
	18					3

QUESTION BOOKLET NO.

502653

QUESTION BOOKLET

(Read carefully the instructions given in the Question Booklet)

SUBJECT:

COMPUTER SCIENCE

MAXIMUM MARKS: 100

MAXIMUM TIME: THREE HOURS

(Including initial 10 minutes for filling O.M.R. Answer sheet)

INSTRUCTIONS TO THE CANDIDATES

- 1. The sealed questions booklet containing 50 questions enclosed with O.M.R. Answer Sheet is given to you.
- 2. Verify whether the given question booklet is of the same subject which you have opted for examination.
- 3. Open the question paper seal carefully and take out the enclosed O.M.R. Answer Sheet outside the question booklet and fill up the general information in the O.M.R. Answer sheet. If you fail to fill up the details in the form of alphabet and signs as instructed, you will be personally responsible for consequences arising during scoring of your Answer Sheet.
- 4. During the examination:
 - a) Read each question carefully.
 - b) Determine the Most appropriate/correct answer from the four available choices given under each question.
 - c) Completely darken the relevant circle against the Question in the O.M.R. Answer Sheet. For example, in the question paper if "C" is correct answer for Question No.8, then darken against Sl. No.8 of O.M.R. Answer Sheet using Blue/Black Ball Point Pen as follows:

Question No. 8. (A) (B) (Only example) (Use Ball Pen only)

- 5. Rough work should be done only on the blank space provided in the Question Booklet. Rough work should not be done on the O.M.R. Answer Sheet.
- 6. <u>If more than one circle is darkened for a given question, such answer is treated as wrong and no mark will be given. See the example in the O.M.R. Sheet.</u>
- 7. The candidate and the Room Supervisor should sign in the O.M.R. Sheet at the specified place.
- 8. Candidate should return the original O.M.R. Answer Sheet and the university copy to the Room Supervisor after the examination.
- 9. Candidate can carry the question booklet and the candidate copy of the O.M.R. Sheet.
- 10. The calculator, pager and mobile phone are not allowed inside the examination hall.
- 11. If a candidate is found committing malpractice, such a candidate shall not be considered for admission to the course and action against such candidate will be taken as per rules.

INSTRUCTIONS TO FILL UP THE O.M.R. SHEET

- 1. There is only one most appropriate/correct answer for each question.
- 2. For each question, only one circle must be darkened with BLUE or BLACK ball point pen only. Do not try to alter it.
- 3. Circle should be darkened completely so that the alphabet inside it is not visible.
- 4. Do not make any stray marks on O.M.R. Sheet.

ಗಮನಿಸಿ : ಸೂಚನೆಗಳ ಕನ್ನಡ ಆವೃತ್ತಿಯು ಈ ಮಸ್ತಕದ ಹಿಂಭಾಗದಲ್ಲಿ ಮುದ್ರಿಸಲ್ಪಟ್ಟಿದೆ.



PART - A

	estion carrying one mark.	$[50 \times 1 = 50]$ ed graph on 6 vertices. If vertices of G are
1)		distinct cycles of length 4 in G is equal to
1.6	labeled, then the number of	
	(A) 45	(B) 30
	(C) 90	(D) 360
2)	If A and B are any two non-e	empty subsets of a set E, then what is A
	$(A \cap B)$?	
	(A) AUB	(B) A∩B
	(C) A	(D) B
3)	What is the possible number of	reflexive relations on a set of 5 elements
	(A) 2^{10}	(B) 2 ¹⁵
	(C) 2^{20}	(D) 2^{25}
4)	Let G be finite group on 84 el subgroup G is	ements. The size of a largest possible prope
	(A) 24	(B) 42
	(C) 84	(D) 12
5)	$PV(p \rightarrow q) V [\sim (p \land q)]$ is_	
	(A) Tautology	(B) Contradiction
	(C) Contingency	(D) None of A, B, C
6)	In a microprocessor system w	ith memory mapped I/O
	(A) Devices have 8-bit addre	sses
	(B) Devices are accessed using	ng IN and OUT instructions
	(C) There can be a maximum	of 256 input devices and 256 output devices
	(D) Arithmetic and logic ope	rations can be directly performed with the I/

data

7)	use		e is to be u	icate, if an index register is to be used, then the number of index
	(A)	3	(B)	6
	(C)	5	(D)	8
8)	Wh List		atch for the	items in List I with the items in
		List I		List II
	A)	Indirect Addressing	1)	Array implementation
	B)	Indexed Addressing	2)	Writing relocatable code
	C)	Base Register Addressing	3)	Parsing array as parameter
	Coc	les: ABC		
	(A)	3 1 2	(B)	231
	(C)	3 2 1	(D)	123
9)		nory using only one address in	nstructions i	numbers and store the result in s n+1
	(C)	Land Service Company	(D)	a marina (1.1)
	(0)		(D)	independent of n
10)	Seri	al input data of 8085 can be lo	aded into b	it 7 of the accumulator by
	(A)	Executing a RIM instruction	(B)	Executing RST 1
	(C)	Using RESET	(D)	None of A, B, C
11)	The	output of the c/c++ program int x=025; printf("%d",x)	segment	s afectoras o capación de la como
	(A)	25	(B)	025
	(C)	Error	(D)	21 amelio
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12) The o	output of the c/c++ program segme	nt is	
int m	n;		A VERT STARY AT THE PARTY OF TH
m=5;	100 241 geV		of a bought of the
n=m-	++;		and the second
print	f("m=%d n=%d\n",m,n);		
(A)	m=5 n=5	(B)	m=6 n=5
(C)	m=6 n=6	(D)	m=5 n=6
13) The	evaluation result of the c/c++ arithmeters	netic (expression
int k	=-8%3*2+5%8*2+5/2*2		Allega and the state of the sta
(A)	18	(B)	8
(C)	14	(D)	19
14) Fund	ction overloading is a case of		
(A)	dynamic/late binding	(B)	
(C)	static/early binding	(D)	encapsulation
15) Gen	eric programming is developed in c	:++ us	sing with a read state and
(A)	classes	(B)	templates
(C)	objects (C)	(D)	methods
16) Data	a independence means		
(A)	data is defined separately and not		[지하다] 그리고 하는 사람들이 하고 있었다면서 없었다. 그 그리고 있는데 그 없는데 그리고 있는데 그리고 있다면 하는데 그리고 있다.
(B)	programs are not dependent on the		
(C)	programs are not dependent on th		
(D)	programs are not dependent on both	th phy	rsical and logical attributes of data
17) The	e number of tuples in a relation is calibutes in a relation is called it's	lled it	s while the number of
	Degree, Cardinality	(B)) Cardinality, Degree
	Rows, Columns	(D) Columns, Rows

18)	The language that require specifying exactly how	uires a user to sp w to get it is	ecify	the dat	a to be retrieved without
	(A) Procedural DML		(B)	Non-I	Procedural DML
	(C) Procedural DDL	8.1	(D)	Non-I	Procedural DDL
19)	A relation is in on an attribute of anot	if an attri her composite ke	oute	of a cor	nposite key is dependent
	(A) 2NF	cki a(d)		3NF	
	(C) BCNF	Santanta an ang M	(D)		Took web of No. 44
20)	Consider the tables A,	B and C, given b	elow		
	Table A	Table B			Table C
	Id Name Age	Id Name Age			Id Phone Area
		2.8161.			Magazini Milatin Pa
	12 Arun 60	15 Shreya 24			10 2200 02
	15 Shreya 24	25 Hari 40			99 2100 01
	99 Rohit 11	98 Rohit 20			
		99 Rohit 11			e it al maiseamont (n4 -
	How many tuples does	the result of the f	ollov	wing SQ	L query contains?
	SELECT A.id				tronsmerf (fi)
	FROM A				
	WHERE A.age> ALL	(SELECT B.age			
	FROM B	in the			hardysis (A)
	WHERE B. name = "a	arun")			held (1)
	(A) 4		(B)	3	
	(C) 0		(D)		
1)	Recursion is an applica				
	(A) queue				Kidan mad
	(C) tree				aCitable entra del

22)	Coll	isions in hash table are resolved thro	ough	the reaction of the state of the state of
	(A)	recursion	(B)	overloading
	(C)	linear probing	(D)	overriding
23)	The	recursive approaches are		than/to iterative approaches
	(A)	faster	(B)	slower
	(C)	equal	(D)	None of A, B, C
24)	In ir	ndex sequential files, the new record	ls are	inserted into area
	(A)	prime	(B)	index
	(C)	overflow	(D)	folder
25)	A d	epth first search in graph employs	text to	data structure
	(A)	tree	(B)	graph
	(C)	queue	(D)	stack
26)	Con	npression is the task of	ost R	layer in ISO OSI network model.
	(A)	Session	(B)	Presentation
	(C)	Transport	(D)	Application
27)	Ifal	l nodes are connected to a single centra	al nod	e, then it istopology
		Hybrid		Ring
	(C)	Mesh	(D)	Star
28)	FDI	DI stands for		
,	(A)			
	(B)	Fiber Data Distributed Interface		ค.ศ. และเมาะ (มายาม <mark>ุโดยและว่า เ</mark> ป็ว
	(C)			alegi.(A)
	(D)			

29) WI	nich of the following is not the sp	eed of an	y ethernet.
		100 Mbps		1000 Mbps
	(C)	10Gbps	(D)	100 Gbps
• • •				
30)	W	e channels, each with a 100 kHz hat is the minimum bandwidth of t kHz between the channels to prev	the link if	th, are to be multiplexed together. there is a need for a gaurd band of erence.
	(A)	110 kHz	(B)	500 kHz
	(C)	540 kHz	(D)	None of A, B, C
31)	Ma	cro processor is an inbuilt funct	tion of	
	(A)			Loader
	(C)	Linker		Editor
32)	Ass	embler is a program that		
-,		places programs into memory	and nuona	amon the configuration
	(B)			
		appears to execute a source pro		지수는 사람들은 사람들은 경기를 하고 있는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없었다.
	(D)	automate the translation of asse		경기의 기존 경에 선명하는 것이 되었다. 그는 이 이 그는 그를 하고 있다면 하는 사람들이 되었다고 있다.
	(2)	accepts a program in night level	ianguage	and produces an object program
3)	In a	compiler keywords of language	are recog	nized during
	(A)	The code generation	(B)	Parsing of the program
	(C)	Lexical Analysis of program		Data flow analysis
4)	In a	two-pass assembler, symbol tab	le is	
		Generated in first pass		
	(B)	Generated in second pass	01/2010	malanco d'ambie sur que la
	(C)	Generated and used only in sec	ond pass	
	(D)	Not generated at all		

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35)	A co	ntext free language is called ambigu	ous if	fit has well as the least of th
	(A)	two or more leftmost derivations for	r son	ne terminal string $w \in L(G)$
	(B)	Itwo or more leftmost derivations f	or so	me terminal string $w \in L(G)$
	(C)	Both (A) and (B)		Street Street
	(D)	None of A, B, C		
	1.76 J			Windship Commencer (# 1914)
36)		ch of the following features of Umunication?	NIX	may be used for inter process
	(A)	Signals	(B)	Pipes
	(C)	Semaphore	(D)	All of these
37)		system, if 5 people are currently us esponding processes will be	ing t	he vi editor. then the number of
	(A)	1	(B)	5
	(C)	2	(D)	
				e grade and in radius (Val-
38)	Mer	mory management technique in what is secondary storage for use in main	ich s mem	ystem stores and retrieves data ory is called:
	(A)	Fragmentation	(B)	Paging
	(C)	Mapping	(D)	None of the mentioned
39)		simulate the command "system". We excel is to be used?	/hich	of the system calls - fork, wai
	(A)	fork and wait	(B)	all three
	(C)	fork and excel	(D)	wait and excel
40)	Wh	ich of the following is not filter in ur	nix?	
		Cat	(B)	Head
	(C)	Tail	(D)	Cd .

41)	All the modules of the system are integrated and tested as complete system in the case of				
	(A)	Bottom up testing	(B)	Top-down testing	
	(C)	Sandwich testing	(D)	Big-Bang testing	
42)	Stru	ctured charts are a product of		kefaniko sinckom pamini . Ke i Keji tasakraskingska ka	
	(A)	requirements gathering	(B)	requirements analysis	
	(C)	design	(D)	coding	
43)	In si	ze oriented metrics, metrics are dev	elope	ed based on	
	(A)	number of user inputs	(B)	number of lines of code	
	(C)	number of functions	(D)	amount of memory usage	
44)		process of digitizing a given picture storage in the frame buffer is called	defin	ition into a set of pixel-intensity	
	(A)	Rasterization	(B)	Encoding	
	(C)	Scan conversion	(D)	True color system	
45)	Shea	aring is also termed as			
	(A)	Selecting	(B)	Sorting	
	(C)	Scaling	(D)	Skewing	
46)	The	time complexity of heap sort algorit	hm is	tiche geleverinters on a total in the second of the second	
	(A)	O(n)	(B)	$O(n^2)$	
	(C)	O(logn)	(D)	O(nlogn)	
47)		tional knapsack problem is solved morithm?	st effi	iciently by which of the following	
	(A)	divide and conquer	(B)	dynamic programming	
	(C)	gready	(D)	back tracking	

- 48) Which of the algorithm can be used to solve Hamiltonian path problem efficiently?
 - (A) branch and bound

(B) dynamic programming

(C) divide and conquer

(D) greedy

- 49) What is the time complexity of the recursive implementation used to find the nth Fibonacci term?
 - (A) O(1)

(B) $O(n^2)$

(C) O(n!)

(D) Exponential

- 50) Which of the following is/are property/properties of a dynamic programming problem?
 - (A) optimal substructure
 - (B) overlapping subproblems
 - (C) greedy
 - (D) optimal substructure and overlapping subproblems

PART - B

This part shall contains ten questions, each question carrying five marks. $[10 \times 5 = 50]$

- 1) State and prove generalized pigeon hole principle.
- Perform the arithmetic operations below with binary numbers and with negative 2) numbers in signed-2's complement representation. Use seven bits to accommodate each number together with its sign. In each case, determine if there is an overflow by checking the carries into and out of the sign bit position.
 - a) (+35) + (+40)
 - b) (-35) + (-40)
 - c) (+35) + (-40)
- Define a c/c++ function to compute $\sqrt{x+y+z}$ and use the function in a main 3) function to compute

$$p = \sqrt{a+b+c}$$

$$q = \sqrt{3a + 2b + 4c}$$

$$r = \sqrt{a+b+\sqrt{a+b+c}}$$
 $s = (a+b+c)^{3/2}$

$$s = (a+b+c)^{3/2}$$

- 4) Write an E-R Diagram for Bank Database by considering minimum 4 Entities.
- 5) Write an algorithm to remove the node with the smallest value in a binary search tree.
- 6) Define Cyclic Code. Find the codeword using CRC for a given dataword 101001111 and generator (Divisor) 10111.
- 7) Consider the grammar

8)

$$S \rightarrow S + S$$

$$S \rightarrow S * S$$

$$S \rightarrow id$$

Perform Shift Reduce parsing for input string "id + id + id".

- Use the safety algorithm to test if the system is in a safe state or not?
- a) We will first define work and finish:

Initially work = available =
$$(1, 5, 2, 0)$$

Finis	sh matrix
P_0	False
P_1	False
P ₂	False
P_3	False
P_4	False

W	ork	vect	or
1	5	2	0

- b) Check the needs of each process [needs(pi) <= Max(pi)], if this condition is true:
 - Execute the process, Change Finish [i] =True
 - Release the allocated Resources by this process
 - Change The Work Variable = Allocated (pi) + Work
- 9) Explain the prototype model in SDLC.
- 10) Write the quick sort algorithm and illustrate the same to sort the data instance [8, 21, 15, 12, 32, 6, 27, 19]

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ಅಭ್ಯರ್ಥಿಗಳಿಗೆ ಸೂಚನೆಗಳು

- 1. ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯ ಜೊತೆಗೆ 50 ಪ್ರಶ್ನೆಗಳನ್ನು ಹೊಂದಿರುವ ಮೊಹರು ಮಾಡಿದ ಪ್ರಶ್ನೆ ಮಸ್ತಕವನ್ನು ನಿಮಗೆ ನೀಡಲಾಗಿದೆ.
- 2. ಕೊಟ್ಟಿರುವ ಪ್ರಶ್ನೆ ಮಸ್ತಕವು, ನೀವು ಪರೀಕ್ಷೆಗೆ ಆಯ್ಕೆ ಮಾಡಿಕೊಂಡಿರುವ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದ್ದೇ ಎಂಬುದನ್ನು ಪರಿಶೀಲಿಸಿರಿ.
- 3. ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯ ಮೊಹರನ್ನು ಜಾಗ್ರತೆಯಿಂದ ತೆರೆಯಿರಿ ಮತ್ತು ಪ್ರಶ್ನೆಪತ್ರಿಕೆಯಿಂದ ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯನ್ನು ಹೊರಗೆ ತೆಗೆದು, ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯಲ್ಲಿ ಸಾಮಾನ್ಯ ಮಾಹಿತಿಯನ್ನು ತುಂಬಿರಿ. ಕೊಟ್ಟಿರುವ ಸೂಚನೆಯಂತೆ ನೀವು ನಮೂನೆಯಲ್ಲಿನ ವಿವರಗಳನ್ನು ತುಂಬಲು ವಿಫಲರಾದರೆ, ನಿಮ್ಮ ಉತ್ತರ ಹಾಳೆಯ ಮೌಲ್ಯಮಾಪನ ಸಮಯದಲ್ಲಿ ಉಂಟಾಗುವ ಪರಿಣಾಮಗಳಿಗೆ ವೈಯಕ್ತಿಕವಾಗಿ ನೀವೇ ಜವಾಬ್ದಾರರಾಗಿರುತ್ತೀರಿ.
- 4. ಪರೀಕ್ಷೆಯ ಸಮಯದಲ್ಲಿ:
 - a) ಪ್ರತಿಯೊಂದು ಪ್ರಶ್ನೆಯನ್ನು ಜಾಗ್ರತೆಯಿಂದ ಓದಿರಿ.
 - b) ಪ್ರತಿ ಪ್ರಶ್ನೆಯ ಕೆಳಗೆ ನೀಡಿರುವ ನಾಲ್ಕು ಲಭ್ಯ ಆಯ್ಕೆಗಳಲ್ಲಿ ಅತ್ಯಂತ ಸರಿಯಾದ/ ಸೂಕ್ತವಾದ ಉತ್ತರವನ್ನು ನಿರ್ಧರಿಸಿ.
 - c) ಓ.ಎಂ.ಆರ್. ಹಾಳೆಯಲ್ಲಿನ ಸಂಬಂಧಿಸಿದ ಪ್ರಶ್ನೆಯ ವೃತ್ತಾಕಾರವನ್ನು ಸಂಪೂರ್ಣವಾಗಿ ತುಂಬಿರಿ. ಉದಾಹರಣೆಗೆ, ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯಲ್ಲಿ ಪ್ರಶ್ನೆ ಸಂಖ್ಯೆ 8ಕ್ಕೆ "C" ಸರಿಯಾದ ಉತ್ತರವಾಗಿದ್ದರೆ, ನೀಲಿ/ಕಪ್ಪು ಬಾಲ್ ಪಾಯಿಂಟ್ ಪೆನ್ ಬಳಸಿ ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯ ಕ್ರಮ ಸಂಖ್ಯೆ 8ರ ಮುಂದೆ ಈ ಕೆಳಗಿನಂತೆ ತುಂಬಿರಿ:
 - ಪ್ರಶ್ನೆ ಸಂಖ್ಯೆ 8. 🕒 📵 🔘 (ಉದಾಹರಣೆ ಮಾತ್ರ) (ಬಾಲ್ ಪಾಯಿಂಟ್ ಪೆನ್ ಮಾತ್ರ ಉಪಯೋಗಿಸಿ)
- 5. ಉತ್ತರದ ಪೂರ್ವಸಿದ್ದತೆಯ ಬರವಣಿಗೆಯನ್ನು (ಚಿತ್ತು ಕೆಲಸ) ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯಲ್ಲಿ ಒದಗಿಸಿದ ಖಾಲಿ ಜಾಗದಲ್ಲಿ ಮಾತ್ರವೇ ಮಾಡಬೇಕು (ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯಲ್ಲಿ ಮಾಡಬಾರದು).
- 6. <u>ಒಂದು ನಿರ್ದಿಷ್ಟ ಪ್ರಶ್ನೆಗೆ ಒಂದಕ್ಕಿಂತ ಹೆಚ್ಚು ವೃತ್ತಾಕಾರವನ್ನು ಗುರುತಿಸಲಾಗಿದ್ದರೆ, ಅಂತಹ ಉತ್ತರವನ್ನು ತಮ್ಮ ಎಂದು ಪರಿಗಣಿಸಲಾಗುತ್ತದೆ ಮತ್ತು ಯಾವುದೇ ಅಂಕವನ್ನು ನೀಡಲಾಗುವುದಿಲ್ಲ. ಓ.ಎಂ.ಆರ್. ಹಾಳೆಯಲ್ಲಿನ ಉದಾಹರಣೆ ನೋಡಿ.</u>
- 7. ಅಭ್ಯರ್ಥಿ ಮತ್ತು ಕೊಠಡಿ ಮೇಲ್ವಿಚಾರಕರು ನಿರ್ದಿಷ್ಟಪಡಿಸಿದ ಸ್ಥಳದಲ್ಲಿ ಓ.ಎಂ.ಆರ್. ಹಾಳೆಯ ಮೇಲೆ ಸಹಿ ಮಾಡಬೇಕು.
- 8. ಅಭ್ಯರ್ಥಿಯು ಪರೀಕ್ಷೆಯ ನಂತರ ಕೊಠಡಿ ಮೇಲ್ವಿಚಾರಕರಿಗೆ ಮೂಲ ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆ ಮತ್ತು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಪ್ರತಿಯನ್ನು ಹಿಂದಿರುಗಿಸಬೇಕು.
- 9. ಅಭ್ಯರ್ಥಿಯು ಪ್ರಶ್ನೆ ಮಸ್ತಕವನ್ನು ಮತ್ತು ಓ.ಎಂ.ಆರ್. ಅಭ್ಯರ್ಥಿಯ ಪ್ರತಿಯನ್ನು ತಮ್ಮ ಜೊತೆ ತೆಗೆದುಕೊಂಡು ಹೋಗಬಹುದು.
- 10. ಕ್ಯಾಲ್ಕುಲೇಟರ್, ಪೇಜರ್ ಮತ್ತು ಮೊಬೈಲ್ ಫೋನ್ ಗಳನ್ನು ಪರೀಕ್ಷಾ ಕೊಠಡಿಯ ಒಳಗೆ ಅನುಮತಿಸಲಾಗುವುದಿಲ್ಲ.
- 11. ಅಭ್ಯರ್ಥಿಯು ದುಷ್ಕೃತ್ಯದಲ್ಲಿ ತೊಡಗಿರುವುದು ಕಂಡುಬಂದರೆ, ಅಂತಹ ಅಭ್ಯರ್ಥಿಯನ್ನು ಕೋರ್ಸ್ ಗೆ ಪರಿಗಣಿಸಲಾಗುವುದಿಲ್ಲ ಮತ್ತು ನಿಯಮಗಳ ಪ್ರಕಾರ ಇಂತಹ ಅಭ್ಯರ್ಥಿಯ ವಿರುದ್ಧ ಕ್ರಮ ಕೈಗೊಳ್ಳಲಾಗುವುದು. ಓ.ಎಂ.ಆರ್. ಹಾಳೆಯನ್ನು ತುಂಬಲು ಸೂಚನೆಗಳು
- 1. ಪ್ರತಿಯೊಂದು ಪ್ರಶ್ನೆಗೆ ಒಂದೇ ಒಂದು ಅತ್ಯಂತ ಸೂಕ್ತವಾದ/ಸರಿಯಾದ ಉತ್ತರವಿರುತ್ತದೆ.
- 2. ಪ್ರತಿ ಪ್ರಶ್ನೆಗೆ ಒಂದು ವೃತ್ತವನ್ನು ಮಾತ್ರ ನೀಲಿ ಅಥವಾ ಕಮ್ಪ ಬಾಲ್ ಪಾಯಿಂಟ್ ಪೆನ್ನಿನಿಂದ ಮಾತ್ರ ತುಂಬತಕ್ಕದ್ದು. ಉತ್ತರವನ್ನು ಮಾರ್ಪಡಿಸಲು ಪ್ರಯತ್ನಿಸಬೇಡಿ.
- 3. ವೃತ್ತದೊಳಗಿರುವ ಅಕ್ಷರವು ಕಾಣದಿರುವಂತೆ ವೃತ್ತವನ್ನು ಸಂಪೂರ್ಣವಾಗಿ ತುಂಬುವುದು.
- 4. ಓ.ಎಂ.ಆರ್. ಹಾಳೆಯಲ್ಲಿ ಯಾವುದೇ ಅನಾವಶ್ಯಕ ಗುರುತುಗಳನ್ನು ಮಾಡಬೇಡಿ.

Note: English version of the instructions is printed on the front cover of this booklet.

