## SmartScan for Assessment

#### SmartScan for Assessment consists of two modules:

- (a) SmartScan module that scans the forms and converts the marks into digital format.
- (b) SmartScore module which is an invaluable tool for thorough academic assessments in Universities, Colleges and Schools. The following are the areas assessed:

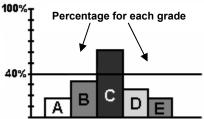
### Student Performance

Topics	Correct	Remarks
Functions	9/ 10	V. GOOD
Set Theory	1/4	WORK HARDER
Probability	5/8	GOOD

#### How high have you scored?

Score Report highlights the performance of every student, whether he is experiencing difficulties in any topics or is already fall short of the expected performance.

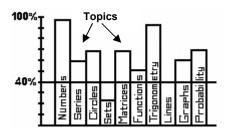




#### What about overall performance?

Class Analysis Tracks the performance of all the classes on *Grades, Number of Passes, Averages, Percentages, and Standard Deviations* with the push of a button.

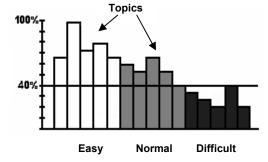
# Topic Analysis



### Which areas are they weak in?

Topic Analysis presents the performance according to each topic tested. Concise macroscopic views enable trouble spots to be detected at a glance.

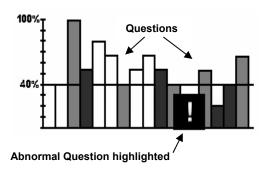
## Difficulty Analysis



### How weak actually they are?

Difficulty Analysis further segregates each Topic into *difficulty levels*. The microscopic views expose all hidden problems and enable effective corrective measures to be applied right on the problems without guessing!

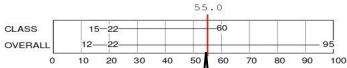
## Question Analysis

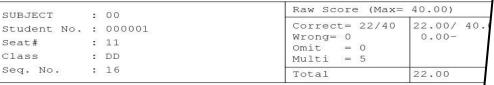


#### Are the Questions OK?

Question Analysis assesses every question vigorously and inferences are drawn with the assistance of a *Knowledge base*. Abnormally behaved question, if encountered, will be cautioned so that adjustments can be made to the scores for the test to be fair.







Score (Max=100)
Obj = 55.00/100
Adj = 0.00

Total= 55.00

#### SmartScan ome 'O'答案纸 Objectiv **®00238889089 ®002388808089 ®00238880808** 姓名: Name **-**നമത്തത്തെനനത 1 Ø Ø Ø Ø 28 (B) (B) (C) (D) 51 0 2 40 1000 oz Œ **6** 6 6 6 53 Ø 54 Œ 20 @ @ @ @ 30 40 40 40 10 55 Ø 8 GD GD GD GD 31 GD GD GD GD (E) കാർ അത്താന 57 Œ **⊕** 30 @ 34 GD GD GD 45 **அது ⊕ மு** மு 10 Ø 🍎 🗭 👁 👁 00 Œ 62 G 63 (2 14 @ @ @ @ 64 Œ 19 (3) (3) (3) (4) 41 3 3 5 6 65 Œ 10@@@@ 41 60 60 60 60 1700 ( ) ( ) ( ) ar 60 00 00 00 00 42 **@ @ @ @** 18@**@**@@@ 41 (B) (B) (C) (D) (D) 19 **(B)** (C) (C) (B) 440000000 30 <u>®</u> © © © 45 @ @ @ @ @ 21 👁 🕳 🕮 🕮 👁 22 (B) (D) (D) 77 (A 47 (P) (B) (C) (C) (E) 73 G 23 (2) (3) (3) (4) 44 43 43 43 43 43 24 @ @ @ @ @ 44 Ø Ø Ø Ø Ø 74 0 25 (B) (B) (C) (C) 50 GD GD GD GD 75 (5)

Topics Correct Remarks #01 Topic 5/10 Average Topic #02 10/10 Perfect Topic #03 2/10 Poor Topic #04 5/10 Average Topic #05 0/0 Topic #06 0/0 0/0 Topic #07 0/0 Topic Topic #09 0/0 0/0 Topic #10

The student will get a report like this for each test. In the class, the highest score is 60 and and the lowest is 15. For the entire form, the highest is 95 and lowest is 12. Median score for both is 22 and the student's score is 55. Therefore we can infer that he is a top student in an average class.

63 GD GD GD GD

Topic analysis indicates the strengths and weaknesses of the student. The student is very good in Topic#2, poor in Topic#3 and doing average for the other Topics. Teachers can now make teaching more focused and maximise the usage of time, effort and resources.

Obj = 22.00 / 40.00X100= 55.0 2. B(B) A (B) C(C) D(C) ? (C) 2 (B) B(B) ? (D) 12. ? (C) ? (C) C(C) 4 D (D) 4 B (B) B(B) \* 19. A (B) 20. A (A) B(C) C(A) 23. D(A) 24. B(B) 26. D (A) D(D) D(D) 29. B(C) 30. A(D) 31. c(c) C(C) 33. B(B) \* B(B) \* 34. C(A) C(C) 36. 37. C(C) \* 38. B(D) 39. C(C) \*

Keys:

40. C(B)

- ( ) Teacher's Answers
- \* Correct
  ' ' Omit(Blank)
  ? Multi
- X Exclude - Penalty

# 68.9%

# LAW KEEN HOONG

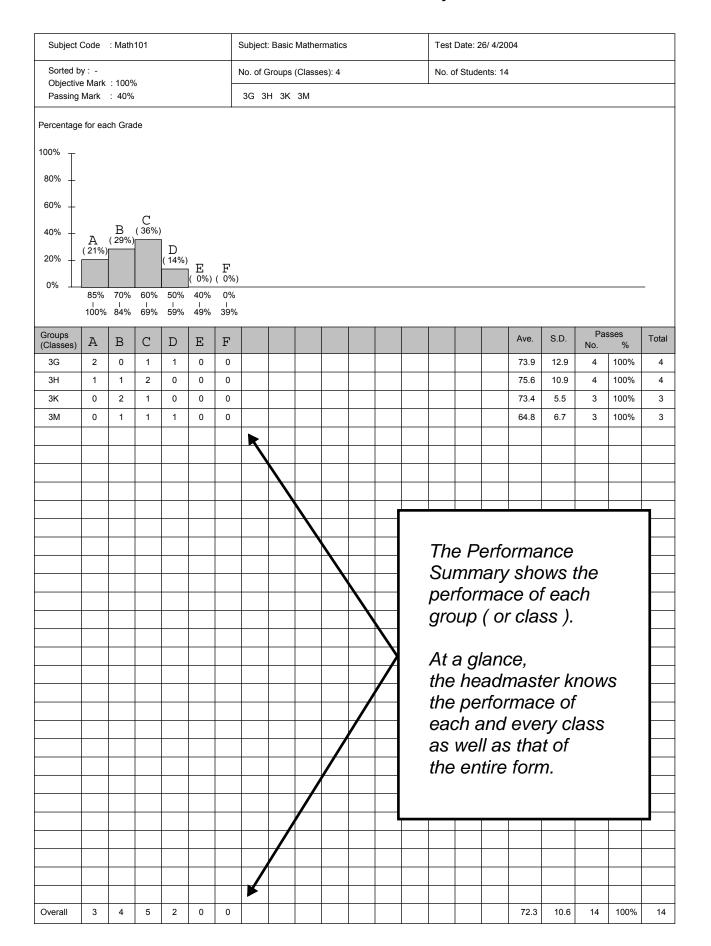
SUBJECT : Math101	Raw Score (Max=	= 90.00)	Score (Max=100)
Student No.: WB004K021	Correct= 62/90 Penalty= 0	•	Obj = 68.9/100 Other= 0.0
ID : 870413145259	Omit = $0$	0.00-	Adj = 0.0
Group(Class): 3H	Multi = 0		
	Total	62.00	Total= 68.9

Obj= 62.00 / 90.00X100= 68.9 1. D(D)\* 81. C(C)\* 21. C(C) \* 41. C(C) \* 61. D(D) \*2. B(B)\* 22. A(A) \*42. C(C)\* 62. C(C)\* 82. C(C) \* 43. D(D) \* 44. B(B) \* 3. D(A) 23. A(A) \* 63. B(C) 64. B(B) \* 83. B(B) \* 84. B(B) \* 24. C(B) 25. C(A) 4. C(A) 5. C(C)\* 45. A(D) 65. C(C) \* 85. A(A) \* 6. D(D) \* 26. D(A) 46. B(D) 66. D(D) \* 86. A(A) \* 47. B(C) 7. C(C) \* 27. B(D) 67. B(B) \*87. C(C) \* 8. B(B)\* 28. D(D)\* 48. B(C) 88. D(D)\* 68. B(B) \*9. B(B)\* 29. A(C) 49. D(B) 69. B(B) \*89. B(C) 10. B(B) \* 30. D(A) 50. C(A) 70. A(A) \*90. D(B) 11. D(D) \* 31. C(C) \* 51. D(D)\* 71. C(C) \* 52. B(B) \* 53. D(A) 12. C(C) \* 32. C(C)\* 72. A(A) \*13. B(C) 33. B(B) \*73. A(A) \* 74. C(B) 75. C(A) 34. B(B) \* 35. A(A) \* 54. C(A) 55. C(C)\* 14. B(B)\* 15. C(C)\* 56. D(D) \* 76. D(A) 16. D(D)\* 36. A(A) \* 17. B(B) \* 37. C(C) \* 57. C(C) \* 77. B(D) 18. B(B) \* 38. D(D)\* 58. B(B) \* 78. D(D)\* 19. B(B)\* 39. B(C) 59. B(B)\* 79. A(C) 20. A(A) \* 40. D(B) 60. B(B) \*80. D(A)

( ) Correct Answer \* Correct Choice ' ' Omit ? Multiple - Penalty

Topics	Correct	Remarks	Topics		Correct	Remarks			
Number Theory	16/20	V.Good							
Fractions	12/14	V.Good							
Lines	13/15	V.Good			dent does vell in these				
Circles	4/14	Work Harder!◀		three top can grou					
Graphs	2/7	Work Harder!		who are common	weak i	'n			
Functions	6/6	Perfect!		teach the	em tog	ether.			
Quadratic Equations	4/4			This mak	used,				
Permutation	3/3			effective same tin					
Probability	2/7	Work Harder!		usage of	resou	rses.			
			L						

## **Performance Summary**



## Mark List

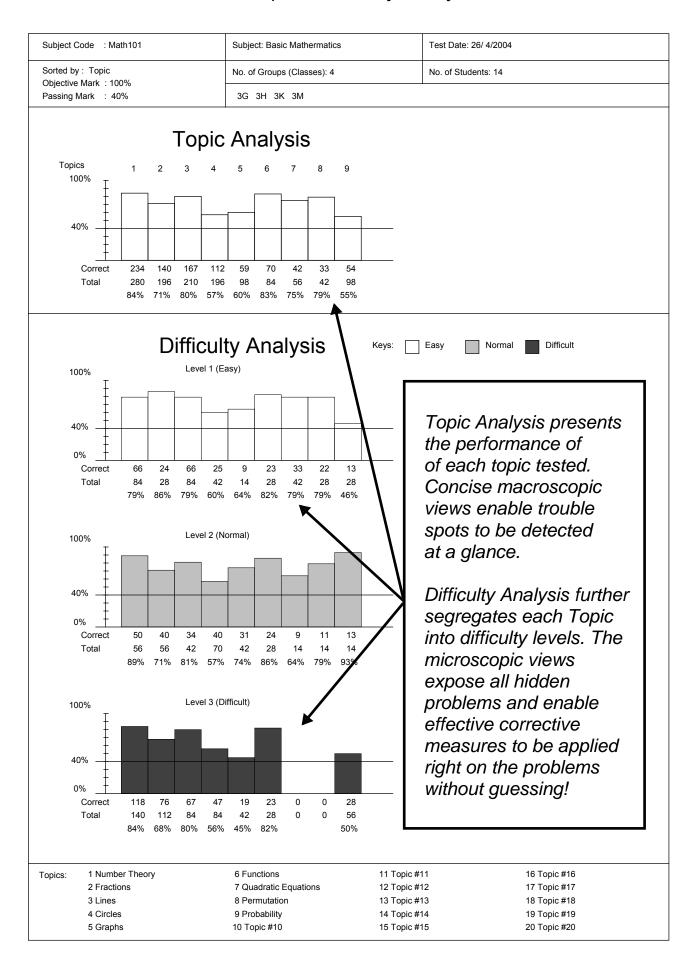
## 3G

	Subject	Code	: Math	101				Subject: Basic Mathermatics  No. of Groups (Classes): 4					Test Date: 26/ 4/2004											
	Sorted b	•	. 100%										No. of Students: 14											
	Passing							3G 3H 3I	< 3M															
	ID	)		GROU	P (CLA	SS)		TOPICS	S (1-10) (11-20)	20	14	15	14	7	6	4	3	7		0bj% (100%)	Adj	Other	Total	
1	WB004K(	001			3G	-Ad	· Linco	 ~~	ng	14	8	10	7	5	3	4	2	4		63.3	0	0.0	63.3%	С
2	WB004K	012			3G	ے اِ	<del>10</del>	nνς ulos	<u> </u>	16	12	15	11	6	6	4	3	5		86.7	0	0.0	86.7%	A
3	WB004K	019			3G	<u>  Ý</u>	reri	rald ar	e gory	14	8	9	7	1	6	2	1	5		58.9	0	0.0	58.9%	D
4	WB004K	020			3G		LAI	KWANG	ZHENA	20	14	15	10	7	6		3	3		86.7	0	0.0	86.7%	A
		1											1							_			<b>/</b>	
	Group (Class)	85% to 100%	B 70% to 84%	C 60% to 69%	D 50% to 59%	E 40% to 49%	F 0% to 39%						/						Ave.	S.D.	No	asses . %	Total	
	3G	2	0	1	1	0	0					7							73.9%	12.9	) 4	100%	6 4	
	Overall	3	4	5	2	0	0				1								72.3%	10.6	14	100%	6 14	

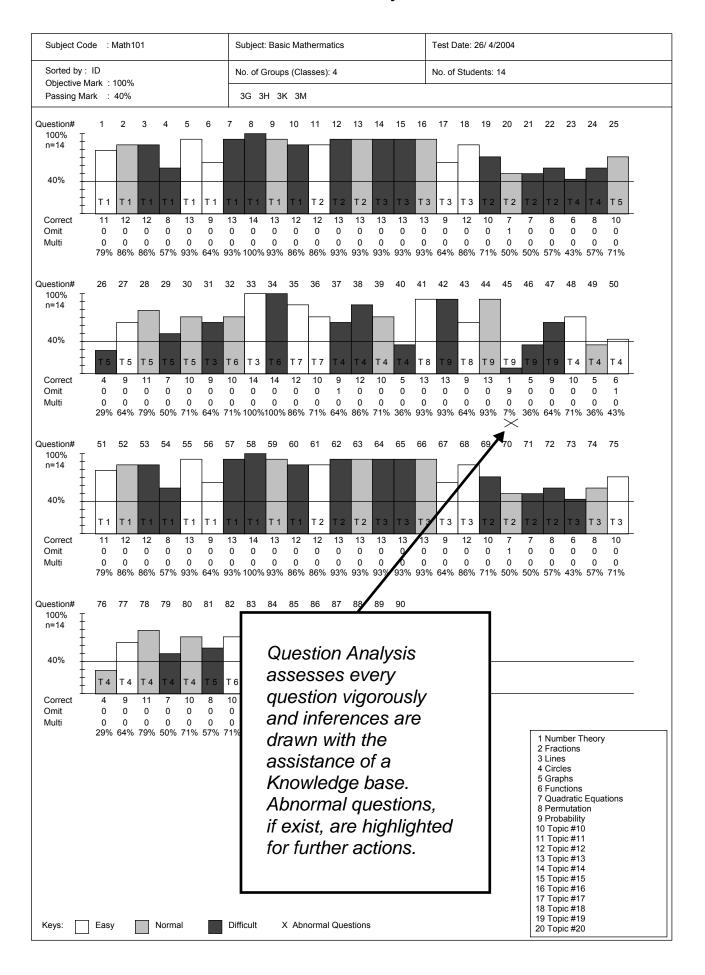
The Mark List not only lists down the grades students achieved but also the detail performance of the students in all the topics tested.

This information is invaluable to assist teachers in nuturing the students.

## Topic / Difficulty Analysis

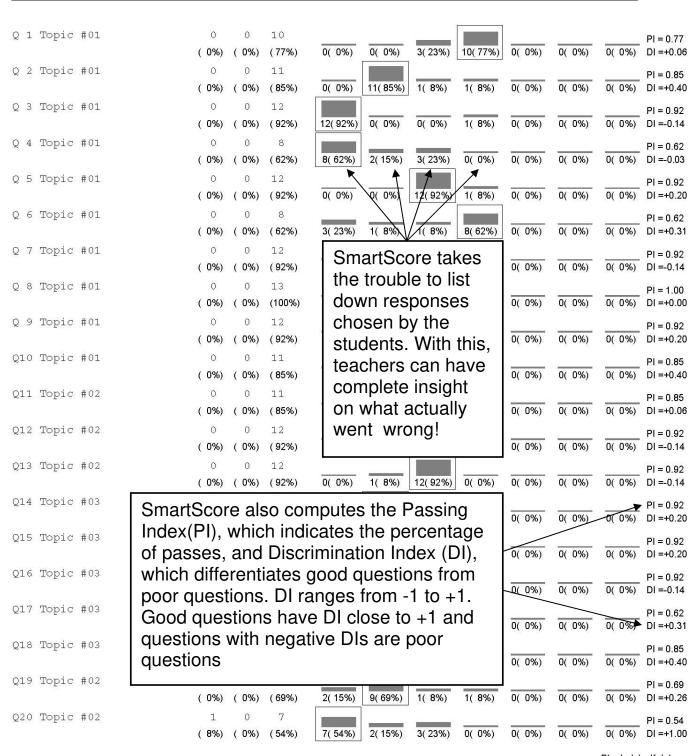


### **Question Analysis**



# ANALISIS ITEM Matematik

Tarikh : 19/ 7/2006 Kod Subjek : Matematik	Obj. : P1		Jumlah Pelajar	: 13				
Subjek : Matematik Susun mengikul: No. Soalan		. 0 : 0	Bil. Kelas	: 3				
Markah Lulus : 40%	P4 :	* <u>-</u>	3A 3B 3C	*				
Bil. Topik	Tidak Jawab Multi	Betul	A B	С	D	E	T	F



PI = Indeks Kelulusan DI = Indeks Diskriminasi