

Guess Papers by M.N.A. GHUMMAN

GUESS PAPER 2021

CLASS: F.SC/I.CS Part 1

SUBJECT: MATHEMATICS

Smart Syllabus

Guess Papers by:

MNA GHUMMAN

پنجاب کے سب سے کامیاب اور مقبول ترین گیس پیپرز

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13 سالہ تدریسی تجربے کا نچوڑ

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These Guess Papers are best for:

**LAHORE, GUJRANWALA, RAWALPINDI, SARGODHA,
FAISALABAD, SAHIWAL, MULTAN, DG. KHAN,
BAHAWALPUR, AZAD KASHMIR BOARDS**

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Most Important Short Questions

UNIT 1

- EXAMPLE 7:PG 11
- EX 1.1: Q 2(I), Q 4(I), Q 6(II, III)
- EXAMPLE1:PG 15
- EX 1.2:Q 4,7,8,9,14,15,16
- EXAMPLE 4:PG 25
- EX 1.3: Q 2,3,5,6

UNIT 2

- EXAMPLE 4:PG 33
- EX 2.1: Q 2(I,II,V,XII), Q 4(I,II), Q 5,6,8,9
- EX 2.2:Q 4
- EX 2.3: Q 2,3,7,8
- 2.7.2:PG 52
- EXAMPLE 4: PG 53
- EX 2.4: Q 1(I,II,III),2(II),Q3,Q4(III), Q 5
- EX 2.5: Q 1,4
- EXAMPLE 2:PG 58
- EXAMPLE 6:PG 62
- EX 2.6:: Q 1(I,III)
- EXAMPLE 15: PG 75
- 2.14: PG 76
- 2.15: PG 77
- THEOREM:PG 78
- EX 2.8:Q 5

UNIT 3

- EXAMPLE:PG 89
- EXAMPLE 4:PG 92
- EX 3.1: Q 2,3,5,8,9,12
- EXAMPLE 2:PG 99
- EX 3.2: Q 2, 6,8(I), 9(I)
- PROPERTIES OF DETERMINANT: PG 105
- EXAMPLE 5: PG 108
- EX 3.3: Q 1(I,IV), 2(I,III), 3(II,V, VIII,XI),Q4, 5(I,II,III,V), 6(I,III), Q8, Q 11(A),13,16,17
- EXAMPLE 2:PG 123
- EX 3.4:Q2,3,4,6,7,8,9(II)

- EXAMPLE 1:PG 133

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- EX 3.5:Q 1,2

UNIT 4

- EXAMPLE 1:PG 139
- EX 4.1: Q 1,2,4,5,8,9,15,17,18
- EXAMPLE 1: PG 143
- EX 4.2:Q 2,3,5,6,10,14,15,16,20
- EXAMPLE 1: PG 153
- 4.4:FOURTH ROOTS OF UNITY:PG 154
- EX 4.4: Q 1,2,3(I,III), 8(I,IV)
- EXAMPLE 5:PG 159
- EX 4.5: Q 8,9,14,15,16
- EX 4.6: Q1,2,6,7(V),8, 9
- EXAMPLE (I,II,IV):PG 165
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- EXAMPLE 1:PG 168
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UNIT 5

- EXAMPLE 1: PG 180
- EX 5.1: Q 1,2,3,7,9
- EX 5.2: Q 3-10
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- EXAMPLE 2:PG 190
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- EX 6.2: Q 2-7, 12,13
- EXAMPLE 1:PG 195
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- EX 6.6: Q 1,3,7(II),9,10,12
- EX 6.7: Q 1,2,3,4,6,8

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- EXAMPE 3,4,6:PG 213,214
- EX 6.8: Q 2(II), 5(II,III,V), 6(II,IV,VI), 9, 13(I), 14
- EX 6.10: Q 1,2(II), 4(III), 5-9, 13(I,II), 14(I), 16

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- EX 7.1: Q 1(VI-XI), 2(V-X)
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- EXAMPLE 1: PG 241
- EX 7.4: Q 1-4, 9
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- EX 7.5: Q 3
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- EX 7.7: Q 1,2,3,5,6
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UNIT 8

- EXAMPLE 3: PG 259
- EX 8.1: Q 1,2,8,9,22
- EXAMPLE 2: PG 269
- EX 8.2: Q 1(III), 6(I), 7(I), 9(I,II), 10(II)
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- EX 9.1: Q 1(VI,IX), 2(II, VI), 3,4(I),5,6(I)
- EX 9.2: Q 4(II,III,V),6,7,8
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- LAW 10: PG 318
- EXAMPLE 2(I,III): PG 320
- EX 10.1: Q 1(IV), 2(III), 3(I,II,III), Q 5
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- EXAMPLE 1,2(II),3: PG 330,331
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- EX 11.1: Q 2,3,5-10, 12,15

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- EX 12.2: Q 2,4,7
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- EX 12.7: Q 1, 2(I,II), 3(I,II), 4,5
- PROVE (B): PG 379(CIRCUM CIRCLE)
- PROVE (A) IN-CIRCLE: PG 379
- EXAMPLE 1: PH 381
- EX 12.8: Q 1(I), 2,3(I), 4(II), 5,6, 7(I), 8(II,III), 9, 11

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- EXAMPLE 1,2, 3(I): PG 401,402
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- EX 14: Q 1,2,4,5,6

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Most Important Definitions

1. Rational & irrational numbers
2. Two properties of inequalities
3. Reflexive & Symmetric property of equality
4. Trichotomy property of real numbers
5. Set & Power set
6. Proper & improper subset
7. Tautology
8. Function
9. Into function & onto function
10. Binary operations
11. Finite & infinite group
12. Group & semi group
13. Square & scalar matrix
14. Diagonal & transpose matrix
15. Adjoint of a matrix
16. Co-factor of an element
17. Two properties of determinant
18. Hermitian matrix
19. Upper & lower triangular matrix
20. Symmetric & skew symmetric matrix
21. Remainder & factor theorem
22. Proper & improper fraction
23. Identity
24. Partial & rational fraction
25. Arithmetic, geometric & harmonic progression
26. Circular permutation
27. Combination & probability
28. Mutually exclusive events
29. Sample space & event
30. Principle of mathematical induction
31. Binomial theorem
32. Period of a trigonometric function
33. Angle of elevation & depression
34. State law of sines, cosines & tangents
35. Formulas of area of triangle
(Case I, II & III)
36. Circum circle & in-circle
Trigonometric equation

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