SRR & CVR GOVT. DEGREE COLLEGE (A), VIJAYAWADA.

QUIZ COMPETITION

&

PRIZE DISTRIBUTION

On the part of curriculum Quiz competition has been conducted for M.sc Mathematics students on 02-07-2022 from 10.15 am to 10.45 am by Sk.Parveen , M.v.l.sirisha , Department of Mathematics in PG block at SRR & CVR Govt. Degree College, Vijayawada.

A quiz is a form of game or Mind sport in which players attempt to answer questions correctly about a certain (or) variety of subjects with in a time . By conducting a quiz programme we assess the growth in knowledge, Abilities and skills in students. Students also developed their teamwork skills in participating in quiz competition.

The quiz competition was written objective type test of 50 marks with 50 questions. Each question carrying single mark. The allotted time limit for this competition was 30 minutes. Overall 20 students were participated . Out of those 20 students 16 students from II M.Sc. and 4 students from I M.Sc. . 20 students divided into 5 groups. Each group had 5 members. Topics in the quiz competition were General awareness(10M),Logical and Reasoning (10M),Arithmetic(10M) and Subject relevant up to degree level(20M).

Winners of the quiz competition were: D. SAIDURGA.(II M.SC)

CH..ANIL (II M.SC)

A.CHINNARI (II M.SC)

MD.TALATH TABASSUM (I M.SC)

Runners of the quiz competition were: M.TANUJA .(II M.SC)

CH..KISHAN (II M.SC)

R.PUSHPA SAI (II M.SC)

T.MOUNIKA (I M.SC)

Winners of the quiz competition were awarded by Dr.Md.Mastaan ,PG Incharge, Department of Mathematics.

Runners of the quiz competition were awarded by Dr.SK.Sajana, Lecturer in Mathematics.

In this event prizes were distributed to the students who stood First, Second and Third in M.Sc. (III Semesters).

First prize won by D.SAIDURGA (92%) was awarded by Dr.G.LALITHA REDDY, Lecturer in Mathematics

Second prize won by E. DHANA LAKSHMI (88.1%) was awarded by M.LAKSHMAN DAS,Lecturer in Mathematics.

Third prize won by K.NANDINI (87.8%) was awarded by Dr.K.ASHOK , Incharge ,Department of Statistics.

The Lecturers involved in the session were congratulate the winners and gave Guidance and Suggestions for their bright future.

During quiz competition

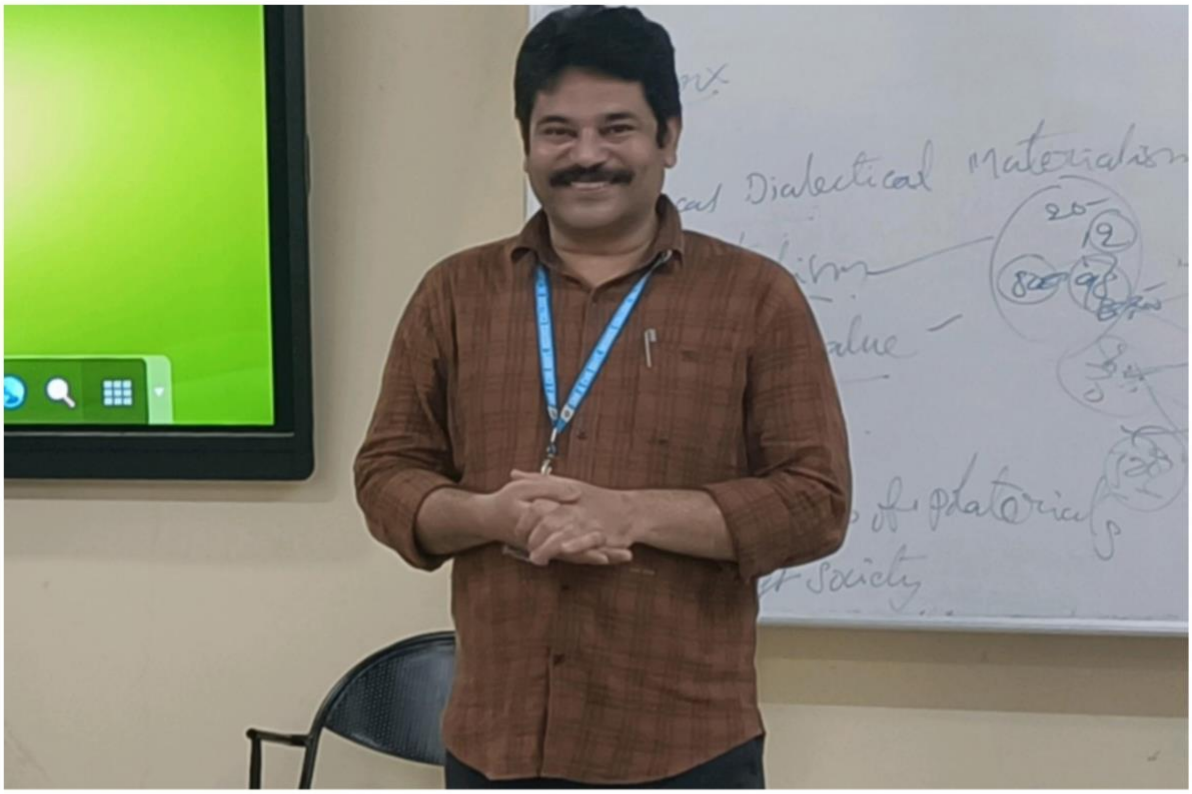
Group photo

Quiz Winners

Quiz Runners

Toppers in III Semesters(M.SC MATHEMATICS)

Congratulating & guiding the Students



The following staff members were Present.

1. M.Lakshman Das
2. Dr. Md.Mastaan
3. Dr.G.Lalitha Reddy
4. Dr.SK .Sajana
5. Dr. K.Ashok
6. SK.parveen
7. M.V.L.Sirisha

The following Students participated in Quiz Competition

Name	Group	Signature
Ch. Kishan	MSc (II nd year)	Ch. Kishan
M. TANUJA	11	M. Tanuja
T. Moumika	M.Sc (I st year)	T. Moumika.
R. Pushpa sai	M.Sc (II nd year)	R. pushpa sai
N. Anusha	MSC (II Mean)	N. Anusha,
B. Sowmya	MSc (II maths)	B. Sowmya.
K. Nandini	MSC (II nd year)	K. Nandini
V. Subhashini	MSC I st year	V. Subhashini
A. Sivaji	MSc (II nd year)	A. Sivaji
Md. Talath	MS (I st Year)	Md. Talath.
D. Saidurga	M.Sc (II year)	D. Sai Durga.
Ch. Anil	MSC (II year)	Ch. Anil.
A. chinnari	MSc [II year]	A. Chinnari
P. Sai	MSc (II year)	P. Sai
E. Shanu Lakhmi	MSc (II year)	E. Shanu
Sk. Shama Parveen	MSc (II year)	Sk. Shama
L. Hema	MSc (II year)	L. Hema
Sk. Sameera	M.Sc (II year)	Sk. Sameera
J.B.S. Bhavani	M.Sc (II year)	J.B.S. Bhavani
Ch. Pavani	M.Sc (I year)	Ch. Pavani

SRR & CVR Govt. Degree College, Vja.
Quiz Programme for M.Sc Mathematics Students
Organised by Department of Mathematics.

I

1. For which of the following disciplines is Nobel prize awarded.
a) Physics & Chemistry b) Psychology & Medicine c) Literature, Piece & economics d) all

2. Galileo was an Italian astronomer who
a) developed the telescope b) Discovered four satellites of Jupiter
c) Discovered that the movement of Pendulum Produces a regular time measurement d) all of the above.

3. First China war was fought between
a) China and Britain b) China and France c) china & Egypt d) China & Greek

4. India has largest deposits of ___ in the world
a) Gold b) copper c) mica d) None of the above

5. India's first satellite is named after
a) Aryabhatta b) Bhaskara II c) Bhaskara I d) Albert Einstein

6. In a normal human body, the total no. of red blood cells is
a) 15 trillion b) 20 trillion c) 25 trillion d) 30 trillion

7. In which season do we need more fat
a) Rainy b) Spring c) Winter d) Summer

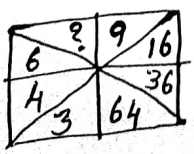
8. Logarithm tables were invented by
a) John Napier b) John Doe c) John Harrison d) John Douglas

9. Which country grows the most fruit
a) China b) India c) Africa d) Australia d) canada

10. Alx Bell opened School in Botson in 1872 for Teachers
a) Deaf b) Dumb c) Deaf & Dumb d) None of the above.

II Logical and Reasoning :-

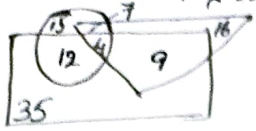
11. Which of the following numbers should be in blank space



a) 3 b) 4 c) 8 d) 6

12. Find out the correct choice to replace question mark.
Meal : Menu :: Library : ?
a) Books b) Librarian c) Catalogue d) Room

13. The rectangle represents managers, the triangle represents womens and Circle represents singers and the number represent's figure of that area in which they are



How many women are both managers and singers
a) 7 b) 4 c) 12 d) 11

14 22, 21, 23, 24, 23, ?
a) 22 b) 24 c) 25 d) 26

15 How many 6's are there in the following number Series, which are Preceded by 8 but not followed by 5?
58 65186486865568656685865865568
a) 2 b) 3 c) 4 d) 5 e) None

16. Find the missing Number in the Series

4	9	2
3	5	7
8	1	?

a) 9 b) 6 c) 15 d) 14

17 Four of the following are alike in a certainway and so form a group which one does not belong to that group.
a) 19 b) 7 c) 9 d) 13 e) 17

18. A, P, R, X, S and Z are sitting in a row S & Z are in the centre. A & P are at the Ends. R is sitting to the left of A. Who is to the right of S
a) X b) P c) R d) Z

19. A Party Consists of Grand mother, Father, Mother, 4 Sons and their wifes and one son & two daughters to Each of the Sons. How many females are in all. a) 14 b) 6 c) 16 d) 18

20. 8 : 60 :: 14 : ?
a) 66 b) 198 c) 186 d) 189

(ii) Arithmetic

21 What is the Smallest Composite number.
a) 2 b) 4 c) 1 d) 0.

22 How many zeros are there in one million. a) 5 b) 6 c) 7 d) 8

23 LCM of 36, 54, 90 a) 280 b) 540 c) 360 d) 270

24 If 20% of a = b then b% of 20 is the same as
a) 4% of a b) 5% of a c) 20% of a d) None

25 $\frac{753 \times 753 + 247 \times 247 - 753 \times 247}{753 \times 753 \times 753 + 247 \times 247 \times 247}$ a) 1/1000 b) 1/506 c) 253/500 d) None.

26 If $\frac{144}{0.144} = \frac{14.4}{x}$ then value of x

a) 0.0144 b) 1.44 c) 14.4 d) 144

27. What is the probability of getting a sum 9 from two throws of a dice

a) 1/6 b) 1/8 c) 1/9 d) 1/2

28 $\sqrt{(7+3\sqrt{5})(7-3\sqrt{5})}$ a) $\sqrt{5}$ b) 2 c) 4 d) $3\sqrt{5}$

29. $\frac{\log\sqrt{8}}{\log 8}$ = a) $1/\sqrt{8}$ b) 1/4 c) 1/2 d) $\sqrt{8}$

30. If $3^{x-y} = 27$; $3^{x+y} = 243$ then $x =$ a) 0 b) 2 c) 4 d) 6.

IV.

31. I) Every bounded sequence is convergent II) Every convergent sequence is bounded

a) I & II are true b) I is true, II is false c) I is false, II is true d) I, II are false

32 The order & degree of $\frac{d^2y}{dx^2} + \frac{dy}{dx} + 1 = 0$ is

a) 2 and 1 b) 1 and 2 c) 1 and 1 c) 0 and 1

33 The no. of Independent variables in partial differential eqn ——

34. $\lim_{x\to 2}\left[\frac{x^2-4}{x^3-4x^2+4x}\right]$ = a) 0 b) 2 c) 4 d) ∞

35 The value of $\cos 1^\circ \cos 2^\circ \cos 3^\circ \ldots\ldots \cos 179^\circ$ is

a) $1/\sqrt{2}$ b) 0 c) 1 d) None

36. $\int \operatorname{cosec} x \cot x\, dx$

a) $\operatorname{cosec} x + c$ b) $-\operatorname{cosec} x + c$ c) $\sec x + c$ d) $\log|\operatorname{cosec} x| + c$

37. complementary function of $(D^2+9)y = e^x$

a) $y_c = c_1 e^{3x} + c_2 e^{-3x}$ b) $y_c = c_1 \cos 3x + c_2 \sin 3x$ c) $y_c = (c_1 + c_2 x)e^{3x}$

d) $y_c = c_1 e^{3x} + c_2 x e^{3x}$.

38 For any a, b in a group $(ab)^{-1}$ =

a) $a^{-1}b^{-1}$ b) $b^{-1}a^{-1}$ c) ab d) ba

39. If H is a subgroup of G then for any a, b in G, Ha = Hb implies

a) a = b b) $ab^{-1} \in H$ c) $a^{-1}b \in H$ d) $ba^{-1} \in H$

40. $\int\left(u\cdot\frac{dv}{dx} + v\cdot\frac{du}{dx}\right)dx$ a) $\frac{du}{dx} + \frac{dv}{dx} + c$ b) $uv + c$ c) $u\cdot\frac{dv}{dx} + c$ d) $v\cdot\frac{du}{dx} + c$

41. A finite integral domain is

a) Field b) Ring c) Group d) None

42. If $f(x)=a_0+a_1x+\cdots+a_mx^m, a_m\neq 0$; $g(x)=b_0+b_1x+\cdots+b_nx^n$; $b_n\neq 0$ then $\deg(f(x).g(x))$ is a) $<m+n$ b) $m+n$ c) $>m+n$ d) mn

43. If Sequence $\{a_n\}_{n=1}^{\infty}$ & $\{b_n\}_{n=1}^{\infty}$ are Convergent then
a) $\{a_n+b_n\}_{n=1}^{\infty}$ is always Convergent b) $\{a_n+b_n\}_{n=1}^{\infty}$ is always divergent
c) $\{a_n+b_n\}_{n=1}^{\infty}$ some times divergent d) None.

44. Bolzano Weirstrass theorem is
a) Every Bounded Solution has a limit point b) The set of limit points of a bounded Solution is bounded c) an unbounded Solution may d) may not have a limit point d) None

45. The necessary condition for the Equation $Mdx+Ndy=0$ to be Exact is a) $\frac{dN}{dy}=\frac{dM}{dx}$ b) $\frac{\partial N}{\partial y}=-\frac{dM}{dx}$ c) $\frac{dM}{dy}=\frac{dN}{dx}$ d) $\frac{\partial M}{\partial y}=-\frac{dN}{dx}$

46. T is non-Singular iff
a) Nullity(T) $=0$ b) Nullity(T) $=$ Rank(T) c) Rank(T) $=0$ d) Rank(T) $\neq 0$.

47. A Cyclic group is always
a) Abelian b) Monoid c) Semi group d) Subgroup

48. The Set of Real numbers R is
a) uncountable b) countable c) finite d) Bounded

49. If a Square matrix B is Skew-Symmetric then
a) $B^T=-B$ b) $B^T=B$ c) $B^{-1}=B$ d) $B^{-1}=B^T$

50. $\int(\tan x+\cot x)dx$
a) $\sec^2 x+\operatorname{cosec}^2 x+c$
b) $\log|\sin^2 x|+c$
c) $\log|\cot x|+c$
d) $\log|\tan x|+c$.