T.R.R. GOVERNMENT DEGREE COLLEGE
KANDUKUR

1.1.1: Effective Curricular Planning and Delivery

Quiz

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[AffiliatedtoAcharayaNagarjunaUniversity]
[Establishedin1966]

DEPARTMENT OF CHEMISTRY

RECORD OF QUIZ COMPETITIONS

2021-2022

T.R.R.GOVT.DEGREE COLLEGE, KANDUKUR.

DEPARTMENT OF CHEMISTRY

2021 - 2022

RECORD OF QUIZ COMPETITION

SUBMITTED

BY

DR.K.V.PADMAVATHI,

LECTURER IN CHEMISTRY

T.R.R.GOVT.DEGREE COLLEGE, KANDUKUR.

DEPARTMENT OF CHEMISTRY.

Quiz was conducted by the Department of chemistry on 18/12/21 on chemical kinetics, Photochemistry to final year students.

We have divided the students into four groups namely 1) Einstein Group 2) Mendeleef group 3) Abdhul Kalam group 4) Planck group.

Dr.K.V.Padmavathi,Lecturer in Chemistry acts as the Quiz master.She is asking the questions to students. One of the student of this class acts as a score master to this quiz.

1. EINSTEIN GROUP

   a) Ch.Siva Rao M.P.C
   b) M.Mahendra B.Z.C
   c) M.Vengaveni B.Z.C

2. MENDELEEF GROUP

   a) A.Sai M.P.C
   b) V.Chandana Kaveri B.Z.C
   c) Sk.Anju B.Z.C

3. ABDHUL KALAM GROUP

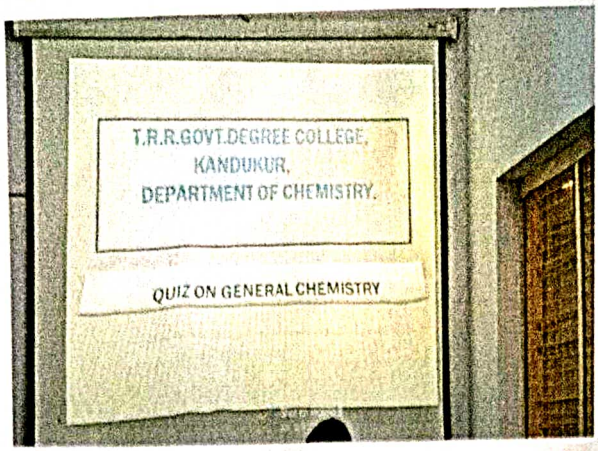
   a) Md.Afrin M.P.C
   b) G.Narayana B.Z.C
   c) N.Vengala Rao B.Z. C

4. Planck Group

   a) Ch.Praveen B.Z.C
   b) D.Meghana B.Z.C
   c) P.Mabjani B.Z.C

All the students are actively participated in this Quiz. Einstein group got the first prize, Planck group got the second Prize and the Mendeleef group got the third prize.

Later the Prizes are distributed to the winners of this competition by Smt.J.Mythri garu, Department of Chemistry.



Dr. K.V. Padmavathi, Rect in chemistry is asking the questions to the students

Sri. M. Harikrishna, III B.Sc. M.P.C is responding to the questions.

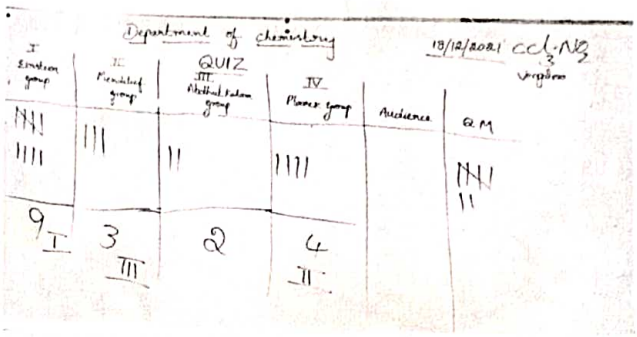
The following are the list of questions asked in the Quiz.

- What is the king of the chemical?
- What are the units of rate constant for first order reaction?
- What are the units of rate constant for second order reaction?
- What are the units of rate constant for third order reaction?
- What are the units of rate constant for Zero order reaction?
- The half-life Period for a first order reaction is ---------- initial concentration of reactants?
- What is laughing gas?
- What is blue vitriol?
- What is the formula of glucose?
- Give any one example for Polysaccharide?
- What is Grape sugar?
- What is the sweetest of all sugars?
- Name any two methods for the determination of order of a reaction?
- If the rate of reaction depends on the concentration of three reactants, what is the order of a reaction?
- Which fruit is lowest in sugar?
- Name the carbohydrate that is Present in Milk?
- The half-life Period for a first order reaction is independent of the initial concentration of reactants. What is the order of a reaction?
- Give any one example for the first order reaction?
- What is photochemical reaction?
- In the case of the following reaction

  $H_2 + Cl_2 - 2HCl$

  what is the Quantum Yield?
- Arabinose gives rise to glucose? What is the name of the synthesis?
- What are the units of Rate of a reaction?
- What is Inorganic Benzene?
- What is Tear gas?
- What is vinegar?

Smt. T. Mythri garu, Dept. of chemistry is distributing the Prizes to the winners of this Quiz competition.



This is the score of the students.

Dr. K.V. Padmavathi, lecturer in chemistry is distributing the prizes to the winners.

- What is the formula of Ethyl alcohol?
- Which gas is used for welding Purpose?
- What is Quantum Yield?
- Give any one example for five membered Heterocyclic compound?
- What is the Product obtained when succinamide is heated with Liquid ammonia?
- What is the name of the synthesis for the Preparation of five membered heterocyclic compounds?
- What is the name of the Product when Pyrrole reacts with chloroform in the Presence of alcoholic KOH?
- What is the name of the reaction when furan reacts with Maleic anhydride gives adduct?
- Name the Product when furan reacts with SO_3 in the Presence of Pyridine?
- Pyrrole reacts with chloroform in the Presence of alcoholic KOH gives Pyrrole-2-aldehyde.Name the Reaction?
- What is chichibabin reaction?
- Name any six membered heterocyclic compound?
- What is Gattermann coach reaction?
- What is Rate of reaction?
- What is fluorescence?
- What is Phosphorescence?
- What is chemiluminiscence?
- What is internal conversion?
- Give any two reasons for the high Quantum yield?
- Give any two reasons for the Low quantum yield?
- Give any two reasons for the high quantum yield?
- Name the Product when thiophene reacts with Conc.sulphuric acid?

****

Smt. T. Mythri garu, lecturer in chemistry is giving the suggestions to the winners.

Dr. K.V. Padmavathi, lect. in chemistry & Smt. T. Mythri, lect in chemistry along with the winners of this competition.

T.R.R. GOVT. DEGREE COLLEGE

KANDUKUR - 523 105, Prakasam Dist.::08598-223546

NAAC ACCREDITED B+

2021-2022

ACADEMIC ACTIVITY - QUIZ PROGRAMME

S : III B.Sc. GROUP : B.Z.C. & M.P.C. DATE : 18/12/21 HOUR: III

This is to certify that the following students have particupated in ~~Group~~ Disussion Quiz on the topics

1) Chemical Kinetics 2) Carbohydrates in the subject Chemistry

3) Photochemistry

K.V. Padma Rao
Signature of the Lecturer

Roll No.	Name of the Student	Signature of the Student
12.	M. Mahendra	M. Mahendra.
05	G. Narayana.	G. Narayana
02	Ch. Siva Ramesh(MPC)	Ch. Siva Ramesh
11	N. Narasimharao	N. Narasimharao
17	V. Chandana Kaveri	V.
06	MD. Afreen	MD. Afreen
22.	D. MEGHANA	D. Meghana
19.	G. Bhagya lakshmi	G. Bhagya lakshmi
04	P. Jameema	P. Jameema
09	K. Sowjanya	K. Sowjanya
01.	P. Maneesha.	P. Maneesha.
01.	T. Neelima.	T. Neelima.
07.	N. Vengalrao	N. Vengalrao
10.	M. vengaveni	M. vengaveni
27.	A. Naveen	A. Naveen
07.	ch. praveen	Ch. praveen
13.	M Maneesha	M. Maneesha.
07	A. Sai	A. Sai

18/12/2

Quiz

I. Einstein group

① ch. Siva Ramaiah . III B.Sc. M.P.C.

② M. Mahendra — B.Z.C — I

③ M. Vengaveni. — B.Z.C

II Mendeleef group

① A. Sai III B.Sc. M.P.C.

② V. Chandana — B.Z.C — III

③ SK. Anju. — B.Z.C

III. Abdhul Kalam group

① Md. Afrin III B.Sc. M.P.C

② G. Narayana — B.Z.C

③ N. Vengala Rao — B.Z.C

IV. Planck group

① ch. Praveen III B.Sc. B.Z.C

② D. Meghana — B.Z.C — II

③ P. Mabjani — B.Z.C

Quiz Competitions

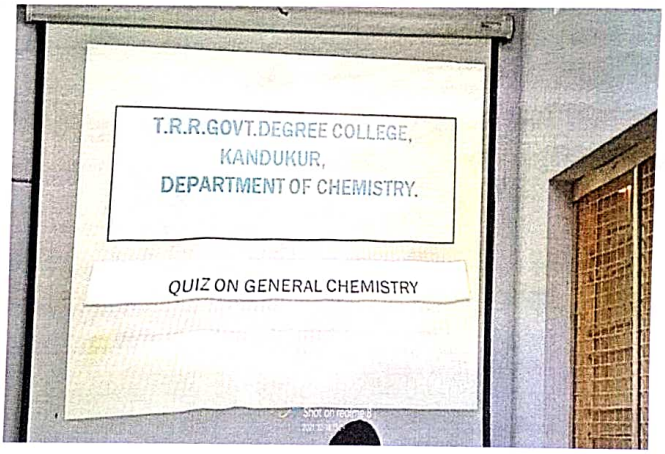
18/12/21

Quiz Competition was conducted by the Dept of chemistry on " chemical Kinetics, Carbohydrates and Heterocyclic compounds to final year students on 18/12/21

We have divided the students into four groups namely (i) Einstein group (ii) Mendeleef group (iii) Abdhul Kalam group (iv) Planck group.

In this Quiz competition Einstein group got first Prize, Planck group got the Second Prize and the Mendeleef group got the third Prize.

Later this program concludes with destribution of Prizes to the winners of this competition by Smt. T. Mythri garu, Lecturer in chemistry.



Dr. K.V. Padmavathi, Rect. on chemistry is asking the Questions to the students.

Mr. Hari Kokeshwa is responding to the Questions.

Department of chemistry — 13/12/2021

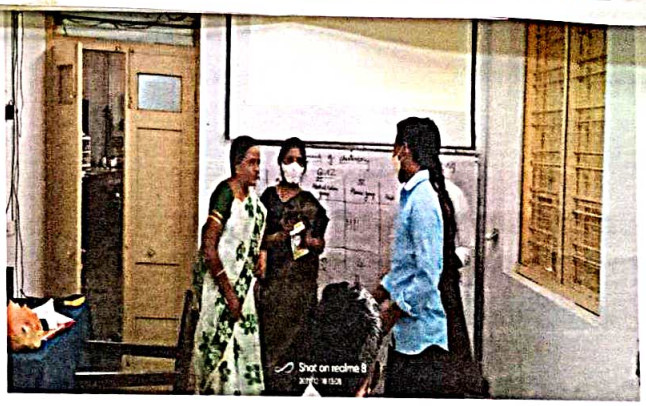
QUIZ

I Emblem group	II Mendeleef group	III Aathul kalam group	IV Planex group	Audience	Q M
IIII	III	II	IIII		IIII II
9 I	3 III	2	4 II		

Scores of the Quiz.

Smt. J. Mythri, Lecturer in chemistry is distributing the Prizes to the winners.

Dr. K.V. Padmavathi, Lecturer in chemistry is distributing the Prizes to the winners.



Smt. T. Mythri, Lect. in chemistry is giving the suggestions to the students

K.V. Padma

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T.R.R.GOVERNMENTDEGREECOLLEGE::KANDUKUR

PRAKASAMDISRICT-ANDHRAPRADESHPIN:523 105

[AffiliatedtoAcharayaNagarjunaUniversity]

[Established in 1966]

DEPARTMENT OF CHEMISTRY

QUIZ

07 SEPTEMBER 2022

QUIZ -- 07-09-2022

SEM II BZC, AZC, MPC - 2021-22

TRR GOVERNMENT DEGREE COLLEGE, KANDUKUR

DEPARTMENT OF CHEMISTRY

TRR GOVERNMENT DEGREE COLLEGE, KANDUKUR

DEPARTMENT OF CHEMISTRY

ACADEMIC ACTIVITY: QUIZ

SEM: GROUP: MPC, BZC, AZC DATE:

TEAM	NAME OF THE STUDENTS	SIGNATURE	MARKS
ALPHA	P. Navaneetha	P. Navaneetha	12
	G. Nagasree	G. Nagasree	
	N. Jebifa	N. Jebifa	
	CH. Deepthi	Ch. Deepthi	
	T. chandana	T. Chandana	
	P. SRAVANI	P. Sravani	
BETA	T. padmaja	T. padmaja	08
	Ch. sravanthi	Ch. Sravanthi	
	D. Priya	D. Priya	
	Sk. Sameera	Sk. Sameera	
	K. VaSantha	K. VaSantha	
GAMA	R. Divya	R. Divya	06
	CH Soujanya	CH. Soujanya	
	E. Sai Hemanth	E. Sai	
	N. RAJESH	N. Rajesh	
QUIZ MASTER	J. MYTHRI	J. Mythri	04

TRR GOVERNMENT DEGREE COLLEGE, KANDUKUR

DEPARTMENT OF CHEMISTRY

QUIZ

SEM II BZC, AZC, MPC - 2021-22

1. Father of Chemistry?
2. Who discovered electron?
3. Charge on Electron?
4. No of particles present per mole of substance?
5. Units of Molarity?
6. Give examples of a molecule that contain bridge bond?
7. Nature of Al_2O_3?
8. How many isomers of C_2H_6O?
9. What is Lindlar Catalyst?
10. define Reduction interms of Hydrogen?
11. define Oxidation interms of Electron?
12. What is Equivalent weight of Al ?

13 Give the Name of CH_3 CHCl CHCl CH_2 CH_3 ?

14 Give the Name of HOOC - COOH ?

15 Give the name of OHC - CHO

16 What is x stands for in Friendlish Isotherm equation ?

17 what is dispersed Phase in Mist ?

18 What is dispersed Phase in Milk ?

19 What is dispersed phase in Blood ?

20 What are dispersed phase and medium in Gel ?

21 what is weight of One mole of Substance?

22 Sum of mole fractions of all constituents in a solution is ?

23 According to Markonivkoff rule electrophile attacks on carbon which is.....?

24. What is the formula of R.M.S. Velocity?

25. What is the relation between Kinetic energy and absolute temperature?

26. What is the most stable form of cyclohexane?

27. What is the formula for calculating bond order of oxygen according to M.O.Theory?

28. What is nitration mixture?

29. What is marsh gas?

30. What is the shape of ClF_3 molecule?

T.R.R. GOVT. DEGREE COLLEGE

KANDUKUR, Prakasam Dist.

2017 - 2018

DEPARTMENT OF MATHEMATICS

Quiz

T.R.R. GOVERNMENT DEGREE COLLEGE,
KANDUKUR, PRAKASAM DIST., AP

DEPARTMENT OF MATHEMATICS

ACADEMIC YEAR: 2017-18

RECORD OF QUIZ COMPETITIONS

SUBMITTED BY

Dr.CH. SURESH KUMAR,
LECTURER IN MATHEMATICS

QUIZ COMPETITIONS:

DATE: 28-08-2017

A Quiz Program was conducted by the Department of Mathematics on the topics of (i) Differential Equations of first order and first degree (ii) Differential Equations of first order but not of first degree for the I B.Sc (MPC, MPCS) Students in the of subject Mathematics for the academic year: 2017-18

We have divided the students into four groups namely: Team-A, team-B, Team-C and Team-D.

Name of the Team	Members	Result
A	J. Govind, MPCs G.Madhu Babu, MPCs J. Kiran, MPC G.Siva, MPCs	First Place: Team-C Second Place: Team-B
B	B.Ajay Babu, MPCs A.Ramesh Babu, MPC N.Venkata Swamy, MPCs J.Sasi Kumar, MPCs	
C	Sk.Mubeena, MPC G.Shoran Roja, MPC O.Anusha, MPCs M.Swapna, MPCs	
D	A.Divya, MPC Md.Salma Banu, MPC Sk.Mabjani, MPC V.Kalavathi, MPC	

In this Quiz Program Team-C got first place and Team-B got second place.

QUIZ COMPETITIONS:

DATE: 31-08-2017

A Quiz Program was conducted by the Department of Mathematics on the topic of Vector Differentiation in Vector Calculus for the III B.Sc (MPC, MPCS) Students in the subject of Mathematics for academic year 2017-18.

We have divided the students into four groups namely: Team-A, team-B, Team-C and Team-D.

Name of the Team	Members	Result
A	B.Krishna Babu, MPC K.V.Thirupathaiah, MPCs Sk.Shajahan, MPC B.Yesuraju, MPCs	First Place: Team-D Second Place: Team-C
B	P.Rohith Kumar, MPCs P.Brahmaiah, MPC M.Vijay Kumar, MPCs E.Prasanna Kumar, MPCs	
C	M.Rajasekhar, MPC I.Sudhakar, MPC V.Suresh, MPC M.Venkata Subbaiah, MPCs	
D	G.Sravani, MPC D.Ramya, MPC V.Prasanthi, MPC K.Kasmhmuru, MPC	

In this Quiz Program Team-A got first place and Team-D got second place.

T.R.R. GOVT. DEGREE COLLEGE

KANDUKUR - 523 105, Prakasam Dist.::08598-223546

NAAC ACCREDITED B+

2017-2018

ACADEMIC ACTIVITY - QUIZ PROGRAMME

CLASS : I BSc GROUP : MPC & MPCS DATE : 28-08-2017 HOUR:

This is to certify that the following students have particupated in ~~Group Disussion~~ Quiz on the topics 1) Differential equations of the first order and first degree 2) Differential equations of the first order but not of the first degree in the subject Mathematics

Signature of the Lecturer

S.No.	Roll No.	Name of the Student	Signature of the Student
1		Team-A	
2	18	J. Govind, MPCS	J. Govind
3	02	G. Madhu Babu, MPCS	G. Madhu Babu
4	12	J. Kiran, MPC	J. Kiran
5	08	G. Siva, MPCS	G. Siva
6		Team-B	
7	01	B. Ajay Babu, MPCS	B. Ajay Babu
8	19	A. Ramesh Babu, MPC	A. Ramesh Babu
9	06	N. Venkata Swamy, MPCS	N. Venkata Swami
10	04	J. Sasi Kumar, MPCS	J. Sasi kumar
11		Team-C	
12	10	SK. Mubeena, MPC	SK. Mubeena
13	13	G. Sharon Roja, MPC	G. Sharonroja
14	07	O. Anusha, MPCS	O. Anusha
15	13	M. Swapna, MPCS	M. Swapna
16		Team-D	
17	04	A. Divya, MPC	A. Divya
18	08	MD. Salma Banu, MPC	Md. Salmabanu
19	06	SK. Mabjani, MPC	SK. Mabjani
20	09	V. Kalavathi, MPC	V. Kalavathi

A — 03

B — 07

C — 10

D — 03

Audience — 01

Q.M — NIL

Total — 24

Winners → Team C

Runners → Team

T.R.R. GOVT. DEGREE COLLEGE
KANDUKUR - 523 105, Prakasam Dist.::08598-223546

1st BSc | QUIZ | Paper-I : Differential Equation

Question and Answers

Write the equation of Linear differential equation in first order ?

$\frac{dy}{dx} + Py = Q$.

Write the condition for the equation $Mdx+Ndy=0$ is an Exact differential equation ?

$\frac{\partial M}{\partial y} = \frac{\partial N}{\partial x}$

What is the meaning of Integrating factor ?

Let $M(x,y)dx+N(x,y)dy=0$ be not an exact differential equation. If $Mdx+Ndy=0$ can be made exact by multiplying it with a suitable function $\mu(x,y) \neq 0$, then $\mu(x,y)$ is called an integrating factor of $Mdx+Ndy=0$

What is the integrating factor of the equation $\frac{dx}{dy} + Px = Q$?

Integrating factor (I.F) $= e^{\int P dy}$.

Write the formulae of $d(y/x) = ?$

$d(y/x) = \frac{x dy - y dx}{x^2}$.

Write the integrating factor of Homogenous Linear differential equation ?

The integrating factor of Homogenous Linear differential equation is $\frac{1}{Mx+Ny}$ where $Mx+Ny \neq 0$

What is the degree of the equation $x^2y dx - (x^3+y^3)dy = 0$?

Degree = 3

If $a^b = c$, then $b = ?$

$b = \log_a c$

What is the value of $\log_a a = ?$

$\log_a a = 1$

What is the integrating factor of the equation $\frac{dy}{dx} + Py = Q$?

Integrating factor of the equation $\frac{dy}{dx} + Py = Q$ is $e^{\int P dx}$.

What are the P and Q in the equation $\frac{dy}{dx} + Py = Q$?

Here P and Q are functions in 'x' & constants.

(12) Write the general solution for the equation $\frac{dx}{dy}+px=Q$?

(A) The General solution for the equation $\frac{dx}{dy}+px=Q$ is $x(I.F)=\int Q(I.F)dy+c$

(13) Write the general form of Bernoulli's equation?

(A) $\frac{dy}{dx}+Py=Qy^n$

(14) What is meant by Orthogonal Trajectories?

(A) If a curve C cuts every member of a given family of curves T at a angle, then the curve C is called an Orthogonal trajectory of the family T.

(15) If the equation contains $f(x,y,c)=0$, then the Othogonal trajectory for the equation — ?

(A) $F\left(x,y,-\frac{1}{dy/dx}\right)=0$

(16) If the equation contains $f(r,\theta,c)=0$, then the Othogonal trajectory for the g

(A) $F\left(r,\theta,-r^2\frac{d\theta}{dr}\right)=0$

(17) What is meant by Self-Othogonal trajectory?

(A) If each member of a given family of curves cuts every other member family at right angle, then the given family of curves is said to be self

(18) Write the solution for the equation $dy/dx=3$?

(A) $y=3x+c$

(19) Write the solution for the equation $dy/dx=x$?

(A) $y=x^2/2+c$

(20) Write the value of $\int\frac{dx}{\sqrt{1+x^2}}$?

(A) $\int\frac{dx}{\sqrt{1+x^2}}=\sinh^{-1}x$.

(21) Write the solution for $dy/dx=1$?

(A) $y=x+c$

(22) Write the general form of clairaut's equation?

(A) $y=xp+f(p)$

(23) Reduce the equation $y=px+p=\tan(px-y)$ in clairaut's form?

(A) $y=px-\tan^{-1}p$

(24) Write the solution of clairaut's equation $y=xp+f(p)$?

(A) $y=cx+f(c)$.

T.R.R. GOVT. DEGREE COLLEGE
KANDUKUR - 523 105, Prakasam Dist.::08598-223546

QUIZ

① ప్రథమ పరిమాణ మరియు ప్రథమ తరగతి ఒకచల సమీకరణం యొక్క రూపం?

→ $\frac{dy}{dx} + Py = Q$

② ఒక సమీకరణం $Mdx+Ndy=0$ ఒక యుదాత్థ ఒకచల సమీకరణం కావలంటే నియమం?

→ $\frac{\partial M}{\partial y} = \frac{\partial N}{\partial x}$

③ సమాకలన గుణకం అంటే ఏమిటి?

→ ఏదేయినా ఒక ఒకచల సమీకరణం యుదాత్థ ఒకచల సమీకరణం కాకపోయినప్పుడు ఒక పదంతో గుణించినట్లయితే అది ఒక యుదాత్థ ఒకచల సమీకరణం అయితే, దానిని ఈవదాత్థ సమాకలన గుణకం అంటారు.

④ $\frac{dx}{dy}+Px=Q$ సమీకరణం యొక్క సమాకలన గుణకం ఏమిటి?

→ $I.F = e^{\int P dy}$

⑤ $d(y/x) = ?$

→ $d(\frac{y}{x}) = \frac{xdy - ydx}{x^2}$

⑥ సమగతలేని ఒకచల సమీకరణం యొక్క సమాకలన గుణకం ఏమిటి?

→ $I.F = \frac{1}{Mx+Ny}$

⑦ $x^2y\,dx - (x^3+y^3)dy = 0$ సమీకరణం యొక్క తరగతి ఎంత?

→ 3

⑧ $a^b = c$ అయితే $b = ?$

→ $b = \log_a c$

⑨ $\log_a a^a = ?$

→ $\log_a a = 1$

⑩ $\frac{dy}{dx}+Py=Q$ యొక్క సమాకలన గుణకం?

→ $I.F = e^{\int P dx}$

⑪ $\frac{dy}{dx}+Py=Q$ సమీకరణం లో P, Q లు ఏమంటాయి?

→ P, Q లు 'x' లు లేదా వాస్తవ సంఖ్యలు.

⑫ $\frac{dx}{dy}+Px=Q$ సమీకరణం యొక్క సాధన రాయండి?

→ $x(I.F) = \int Q(I.F)dy + C$

(13) బెర్నౌలీ సమీకరణం యొక్క రూపం రాయండి?

→ $\frac{dy}{dx} + Py = Qy^n$

(14) లంబ పంచభాగాలు ఉపయోగమేమి?

→ ఒక వక్రాల కుటుంబంలోని ప్రతీ వక్రం మరో వక్రంతో లంబంగా ఛేదించుకొంటే.

(15) $f(x, y, c) = 0$ ల వక్రాల కుటుంబం యొక్క అవకలన సమీకరణం ఏమవుతుంది.

→ $F(x, y, -1/p) = 0$

(16) $f(r, \theta, c) = 0$ వక్రాల కుటుంబం లంబపంచభాగాలు కనుక్కోండి?

→ $F\left(r, \theta, -r^2 \frac{d\theta}{dr}\right) = 0$

(17) స్వలంబ వక్రాలకోటీయం అంటే ఏమిటి?

→ ఒక వక్రాల కుటుంబం యొక్క అవకలన సమీకరణం మరియు దాన్ని లంబఛేదాలు ఒక్కటే ఉండే వాటిని స్వలంబ వక్రాల కోటీయం అంటారు.

(18) $\frac{dy}{dx} = 3$ సమీకరణం యొక్క సాధన ఏమిటి?

→ $y = 3x + c$

(19) $\frac{dy}{dx} = x$ సమీకరణం యొక్క సాధన ఏమిటి?

→ $y = \frac{x^2}{2} + c$

(20) $\int \frac{du}{\sqrt{1+u^2}}$ సూత్రం ఏమిటి?

→ $\sin h^{-1} x$.

(21) $\frac{dy}{dx} = 1$ సమీకరణం యొక్క సాధన?

→ $y = x + c$

(22) క్లెరో సమీకరణం యొక్క రూపం ఏమిటి?

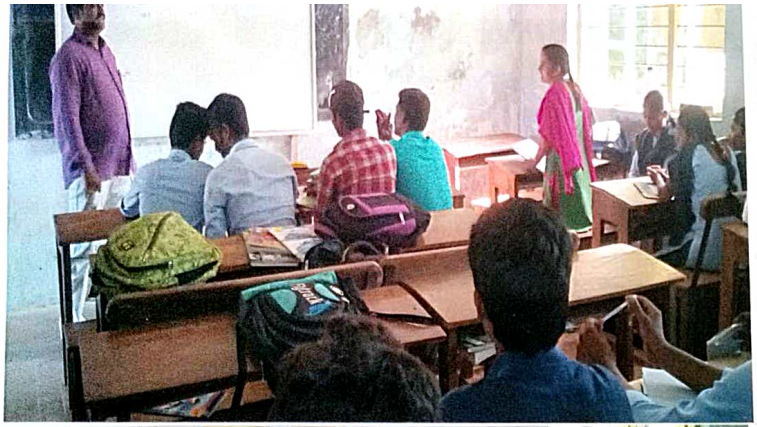
→ $y = px + f(p)$

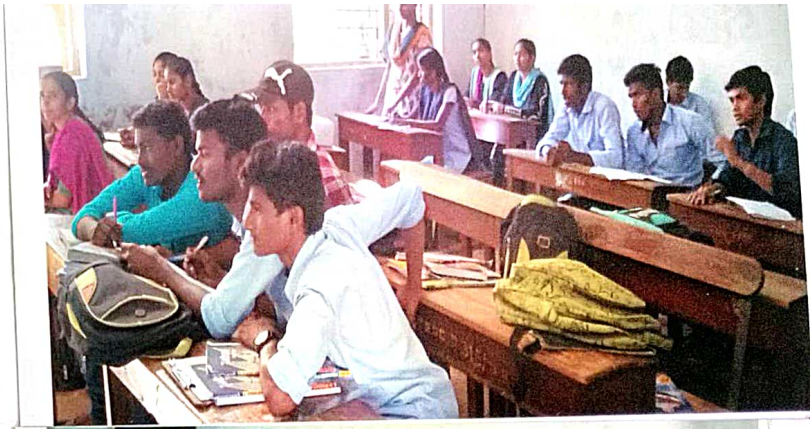
(23) $p = \tan(px - y)$ క్లెరో రూపంలో మార్చండి?

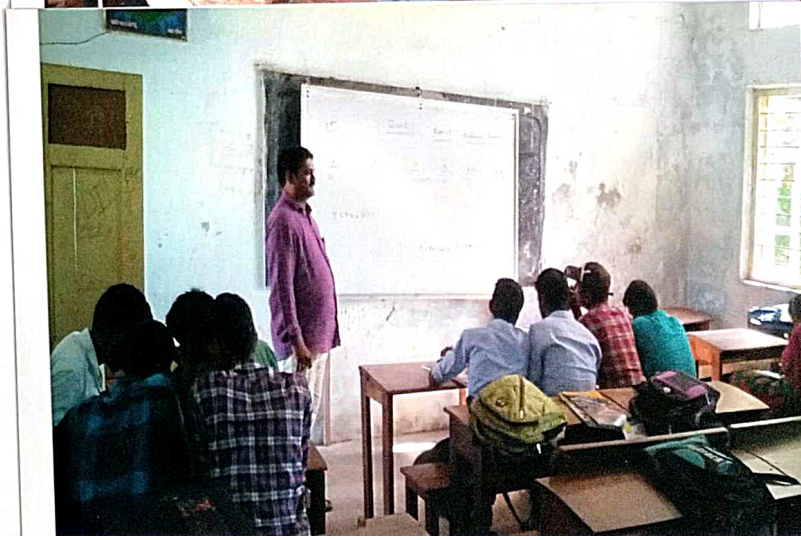
→ $-y = \tan^{-1} p - px \Rightarrow y = px - \tan^{-1} p$

(24) $y = px + f(p)$ క్లెరో సమీకరణం యొక్క సాధన రాయండి?

→ $y = cx + f(c)$.







T.R.R. GOVT. DEGREE COLLEGE

KANDUKUR - 523 105, Prakasam Dist.::08598-223546

NAAC ACCREDITED B+

2017-2018

ACADEMIC ACTIVITY - QUIZ PROGRAMME

CLASS : III BSc GROUP : MPC & MPCS DATE : 31-08-2017 HOUR:..................

This is to certify that the following students have particupated in ~~Group Disussion~~ Quiz on the topics 1) Vector Differentiation 2) .... in the subject Mathematics

Signature of the Lecturer

S.No.	Roll No.	Name of the Student	Signature of the Student
1		Team-A	
2	01	B. Krishnababu MPC	B. Krishnababu
3	05	K.V. Thirupathaiah MPCS	K.V. Thirupathaiah
4	15	SK. Shajahan, MPC	SK. Shajahan
5	01	B. Yesuraju, MPCS	B. Yesuraju
6		Team-B	
7	11	P. Rohith Kumar, MPCS	P. Rohith
8	13	P. Bhaskar, MPC	P. Bhaskar
9	07	M. Vijay Kumar, MPCS	M. Vijay Kumar
10	02	E. Prasanna Kumar (M.P.CS)	E. Prasanna Kumar
11		Team-C	
12	08	M. Rajasekhar, MPC	M. Rajasekhar
13	06	T. Sudhakar, MPC	T. Sudhakar
14	17	V. Suresh, MPC	V. Suresh
15	08	M. Venkata Subbaiah [MPCS]	M. Venkata Subbaiah
16		Team-D	
17	05	G. Sravani, [MPC]	G. Sravani
18	02	D. Ramya [M.PC]	D. Ramya.
19	16	V. Prasanthi [MPC]	V. Prasanthi
20	07	K. Kashmuru (M.P.C)	K. Kashmuru

A — 04

B — 03

C — 05

D — 06

Audience — 00

Q.M — 03

TOTAL 21

Winners ⟶ Team D

Runners ⟶ Team C

Quiz Mathematics, Paper-V

1. Derivative of the constant vector

A: 0

(2). The dot product of the i and j

A: 0

(3) If $a = x+y+z$ what is ∇a

A: $i+j+k$

(4). What is $i \times j$

A: k

(5). The direction derivative of e

A: grad ϕ

(6) What is div r

A: 3

(7) What is curl r

A: 0

(8) OP, OQ are possition vectors on OQ then what is PQ

A: OQ - OP

(9). Maximum of directional derivative

A: $|\nabla f|$

(10) What is solinoidal vector

A: div $f = 0$

(11). If $f = f_1 i + f_2 j + f_3 k$ what is div f

A: $\frac{\partial f_1}{\partial x} + \frac{\partial f_2}{\partial y} + \frac{\partial f_3}{\partial z}$

(12). What is rotational vector

A: Curl f

(13). If $f = f_1 i + f_2 j + f_3 k$ what is curl f

A: $\begin{vmatrix} i & j & k \\ \frac{\partial}{\partial x} & \frac{\partial}{\partial y} & \frac{\partial}{\partial z} \\ f_1 & f_2 & f_3 \end{vmatrix}$ curl f

(14). What is laplacian

A: $\nabla^2\phi \quad \frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2} + \frac{\partial^2}{\partial z^2}$

(15). $\nabla^2\phi = \nabla^2\phi/x^2 + \nabla^2/y^2 + \nabla^2\phi/z^2$

(16). What is line integral

A: circulation

17) If $F = F_1 i + F_2 j + F_3 k$ What is line integ

A: $\oint_C F dr = \oint_C F_1 dx + F_2 dy + F_3 dz$

18) What is surface integral

A: surface

19) The representation of surface integral

A: $\iint_S F \cdot N dS$

20) If $F = F_1 i + F_2 j + F_3 k$ what is $\int_S F \cdot N ds$

A: $\iint_S F_1 dy\, dz + F_2 dz\, dx + F_3\, dx dy$

21) $\int_S F \cdot N\, ds$ in this what is N.

A: Surface Normal unit.

A = 4
B = 3
C = 5 (R
D = 6 (N
Aud = 0
R.M = 3

① స్థిర సదిశ యొక్క అవకలనం ఎంత

A: 0

②. i, j, k లు యూనిట్ సదిశలు అయితే i.j విలువ ఎంత ?

A: 0

③. $A = x+y+z$ అయితే grad విలువ ఎంత (∇a విలువ)

A: $i+j+k$

④ i, j, k లు పరస్పరం లంబాలు అయితే $i \times j$

A: k

⑤ యూనిట్ సదిశ e దిశలో ϕ తలం యొక్క దైశిక ఉత్పన్నం

A: $\nabla\phi \cdot e$

⑥. div r అంటే

A: 03

⑦ curl r అంటే

A: 0

⑧ P, Q ల స్థాన సదిశలు OP, OQ అయితే PQ = ?

A: OQ − OP

⑨. f యొక్క గరిష్ఠ దైశిక ఉత్పన్నం

A: $|\nabla f|$

⑩ ఒక సదిశను నిరోపర సదిశ అని ఎప్పుడు అంటారు.

A: div f = 0

⑪. $F = f_1 i + f_2 j + f_3 k$ అయితే div f =

A: $i \frac{\partial f_1}{x} + j \frac{\partial f_2}{\partial y} + \frac{\partial f_3}{z}$

12) భ్రమణ రేఖీయ సదిశ

A: curl f

13) $f = f_1 i + f_2 j + f_3 k$ అయితే curl

A: $|f|$

14). లాప్లాసియన్

A: ∇^2

15) $\nabla^2 \phi$

A: $\frac{\nabla^2 \phi}{x^2} + \frac{\nabla^2 \phi}{y^2} + \frac{\nabla^2 \phi}{z^2}$

16) రేఖా సమాకలని ఎక్కడ కనుగొంటారు (అనగా ...)

A: సంవృతాంకలని

17) $F = F_1 i + F_2 j + F_3 k$ అయితే $\oint_c F \cdot dr$ రేఖా సమాకలని ఏమవుతుంది.

A: $F_1 dx + F_2 dy + F_3 dz$

18). తలీయ సమాకలని ఎక్కడ కనుగొంటారు

A: ఒక ఉపరితలం

19). గణిత ఉత్పన్నంగా ఒక సమాకలని ఎలా సూచిస్తాం

A: $\int_S F \cdot N ds$

20) $F = f_1 i + f_2 j + f_3 k$ అయితే $\int_S F \cdot N ds$ ఏమవుతుంది

A: $\iint_S F_1 dy dz + F_2 dz dx + F_3 dx dy$

21) $\int_S F \cdot N ds$, N అంటే ఏమిటి?

A: Normal

A = 4
B = 3
C = 5
D = 6
Aud = 0
Q.M = $\frac{3}{21}$

TRR Govt Degree college
Kandukur
Dept of Physics.

QUIZ

PHYSICS

NOV – Feb – 2020

Sem-II

(14)

(19)

T.R.R. GOVT DEGREE COLLEGE

KANDUKUR -523 105, PRAKASAM (Dist :: 08598 223546

NAAC ACCREDITED – B

2019 - 2020 .

ACADEMIC ACTIVITY - QUIZ PROGRAMME

CLASS :..I..... GROUP :..B.Sc (MPC,CS)... DATE:..7/1/2020..... HOUR :..4-5 pm

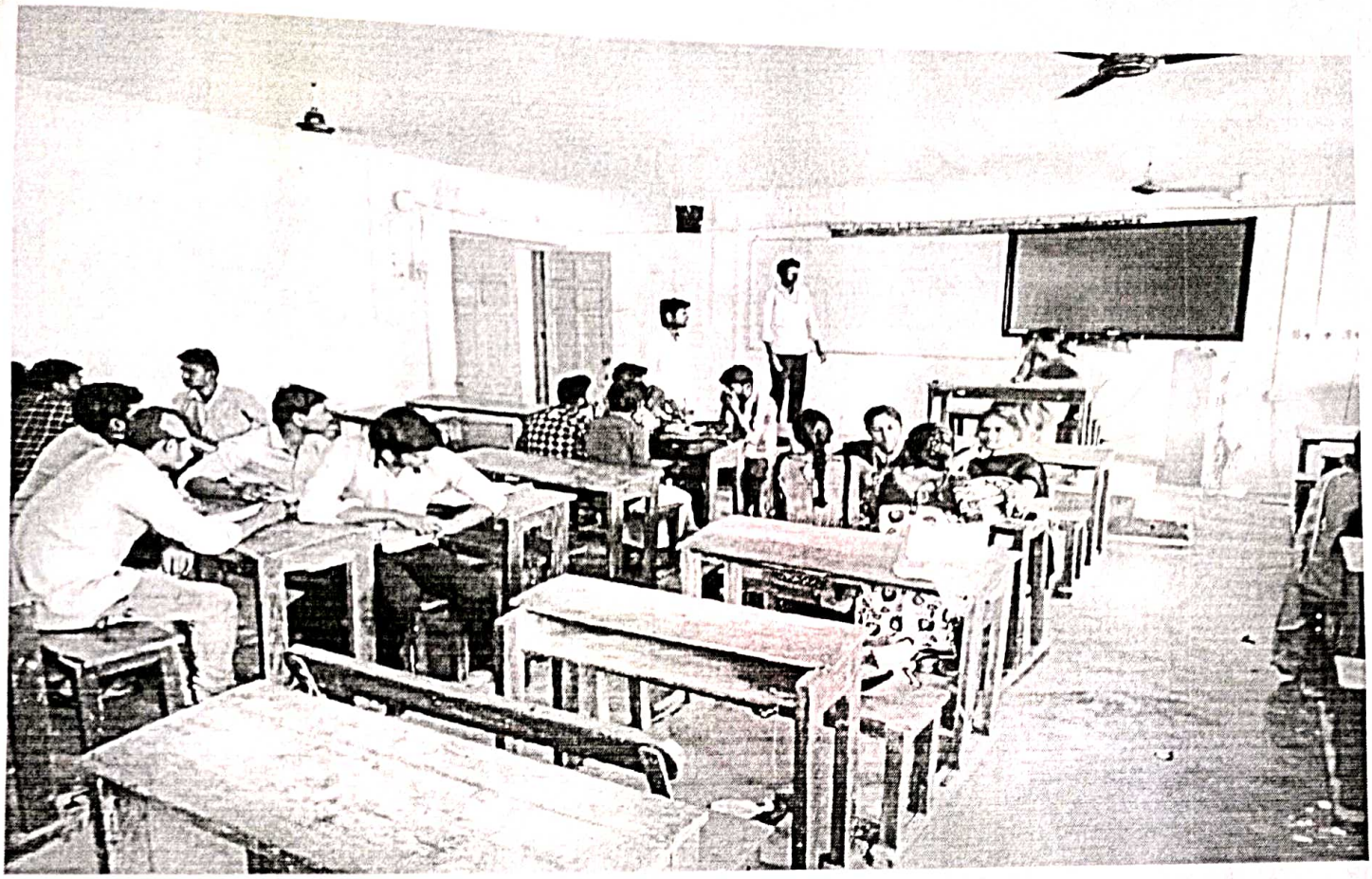
This is certify that the following students have particupated in ~~Group Discussion~~ Quiz on the topics

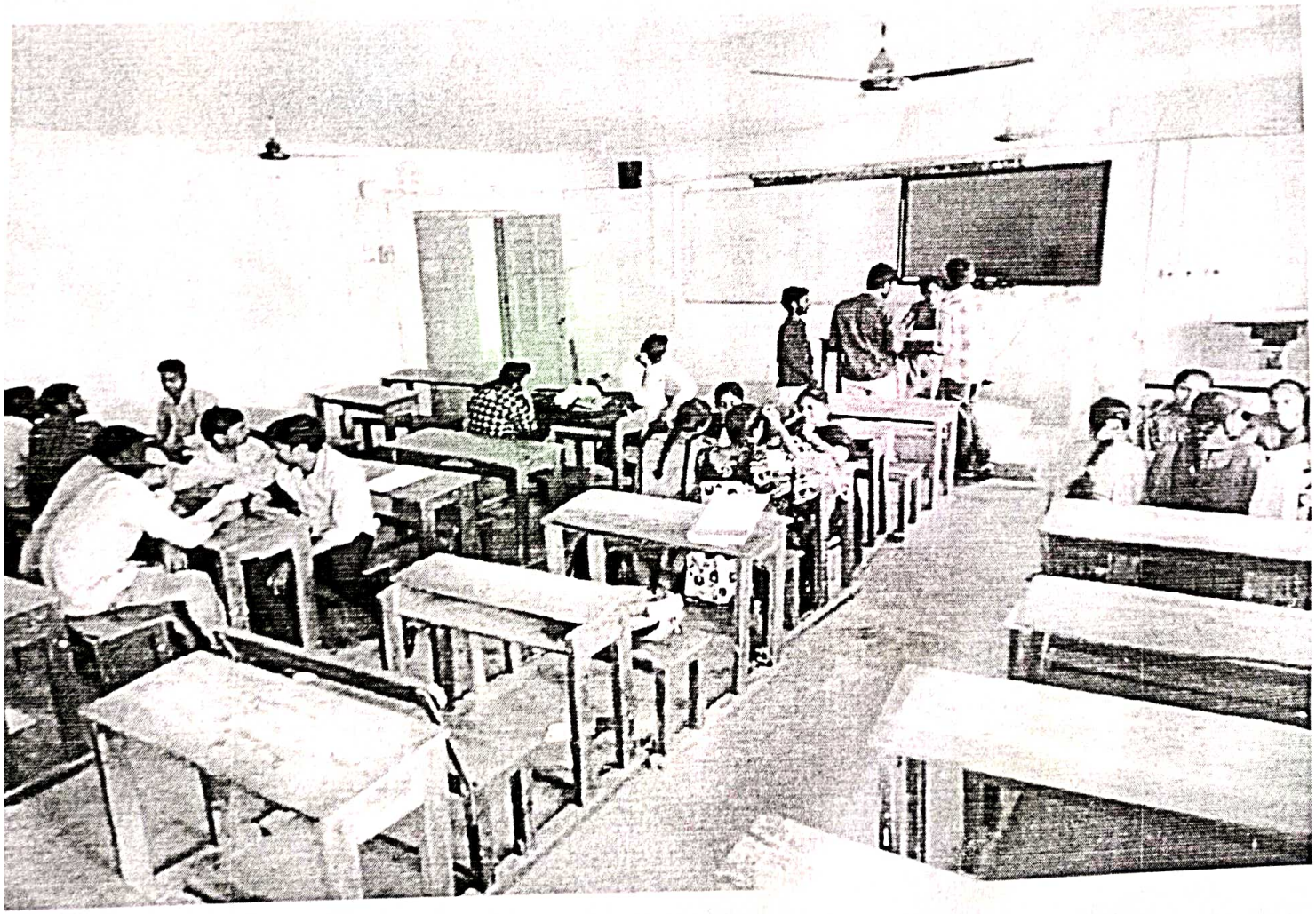
1).....Group-A.....2) .....Group B..... in the subject .....General Science

Signature of the Lecturer

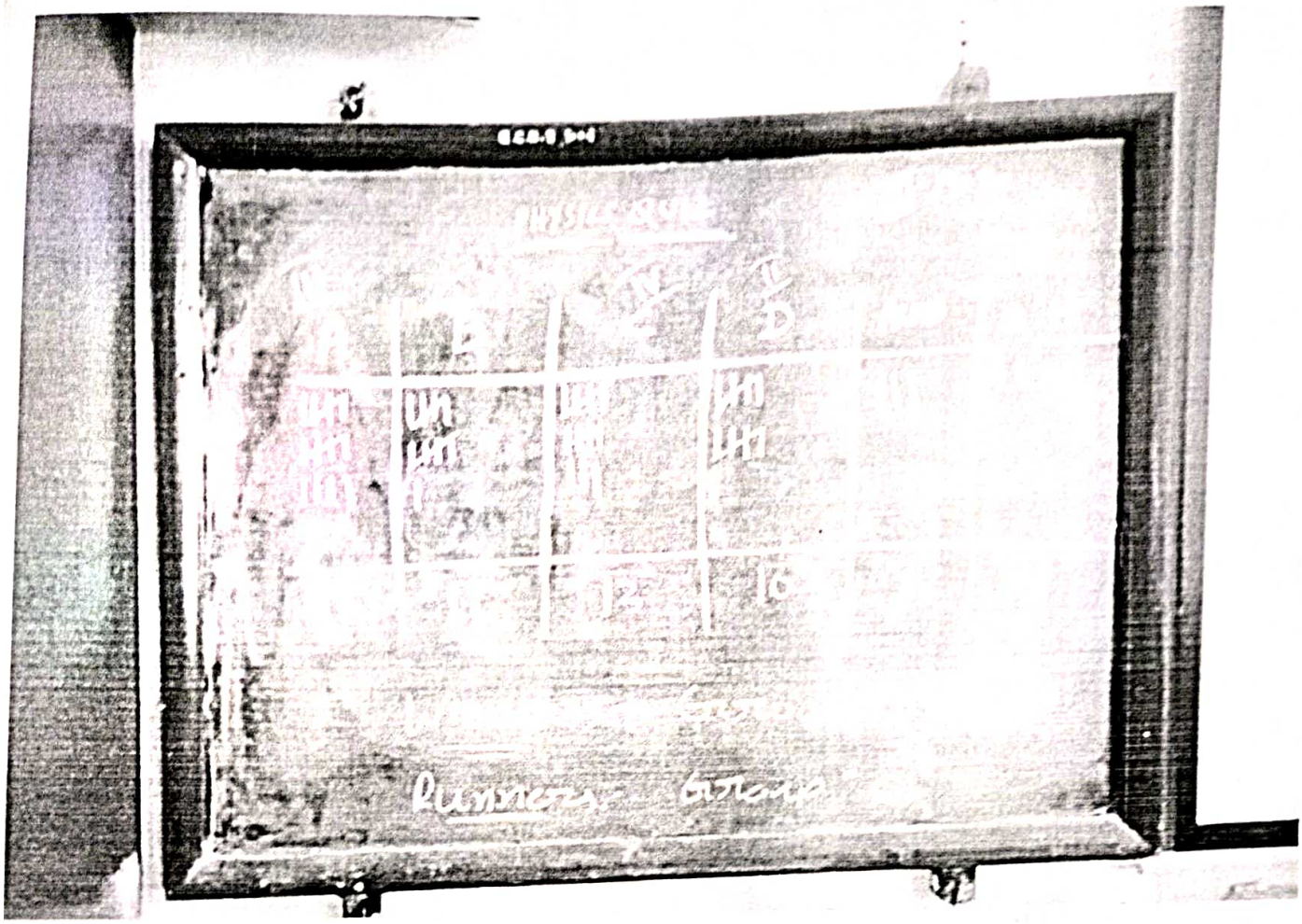
S.No	Roll No.	Name of the Student	Signature of the Student
1	06	T. Ednthoni	T. Ednthoni
2	02	Y.V. Hemanth	Y.V. Hemanth
3	04	SK. Rahaman	SK. Rahamana
4	08	V. Vineendra	V. Vineendra
5	18.	M. Naveen	M. Naveen.
6	02	A. Sai	Ahi
7	21	M. Sravya	M. Sravya.
8	17	P. Yamuna	P. Yamuna
9	09	K. Padma	K. Padma
10	22.	B. Deepthi	B. Deepthi
11	01	MD. Afreen	MD. Afreen.
12	05	M. Lavanya	M. Lavanya
13	14	A. Oliva	A. Oliva
14	13	E. Kaveri	E. Kaveri
14	07.	M. Mrudula	M. Mrudula
15	05	P. Mahendra babu	P. mahendrababu
16	03	S.K. Saudani	S.K. Saudani
17	20	J. ISSac	J. ISSac
18	16	M. Nagendra Babu	M. Nagendra Babu
19	6	N. Nava Simha	N. Nava Simha
20			

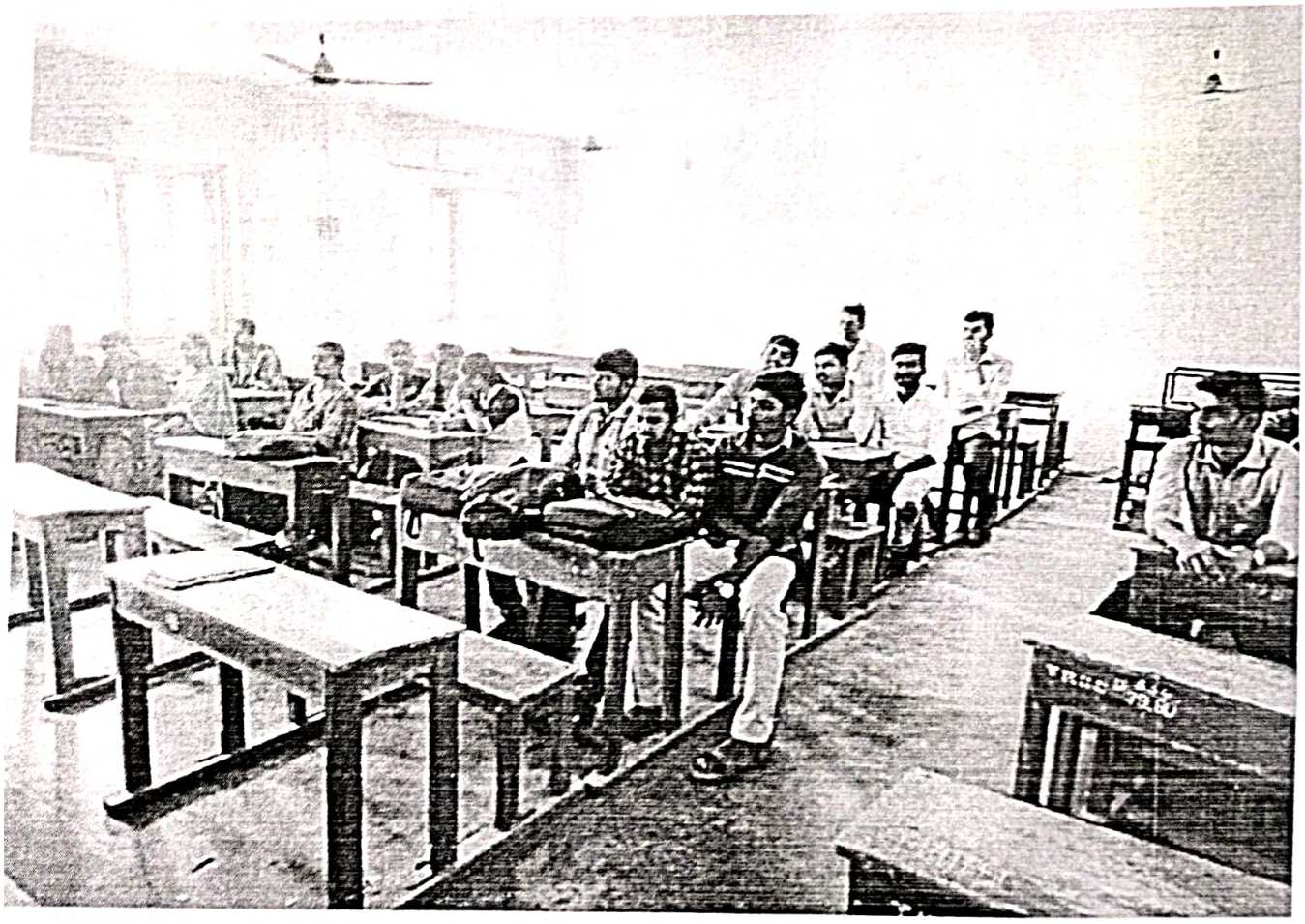
NAME OF THE STUDENT	SIGNATURE
GROUP-A :	
B. Gopi	B. Gopi
G. Siva	G. Siva
J. Govind	J. Govind
GROUP-B :	
SHAIK. MUBEENA	Sk. Mubeena.
SHAIK. MABJANI	Sk. Mabjani
GUDURU. SHARON ROJA	G. Sharon
GROUP-C :	
J. Sasi kumar	J. Sasi
A. Siva Nagaraju	A. Siva
P. Siddaiah	P. Siddaiah
GROUP-D :	
N. Venkata Swami	N. Venkata Swami
K. Ramsi	K. Ramsi
SK. Imamvali	SK. Imamvali





QUIZ- Current Affairs and General science





QUIZ — CURRENT AFFAIRS

Physics Quiz Bits

Date: 9/1/20 Class: III B.SC (EMPCS MPCs)

A 1. Father of modern physics.....Albert Einstein

B 2. Father of Physics in India...Homi Jehangir Baba

C 3. Science day.....February 28th(Raman effect)

D 4. C.V.Raman got noble prize in.....1930

A 5. A body weighs slightly more at poles because..... due to high 'g'

B 6. It is easier to roll a barrel than to pull it because.....rolling friction < sliding friction

C 7. The period of revolution of a geostationary satellite .....24 hours

D 8. Height of geostationary satellite from surface of earth ..... 36000 km

A 9. A steel ball floats on mercury because..... density of steel < density of mercury

B 10. Atmospheric pressure is measured with..... barometer

C 11. Sudden dip in reading of barometer indicates ..... storm

D 12. Rain drops are spherical due to.....surface tension of water

A 13. A football bounces when it falls on the ground because.....its property of elasticity

B 14. Mega means.....10^6

C 15. The international unit of light intensity.....Candela

D 16. Path of an object free falling from moving aeroplane ..... parabola

A 17. At which temperature, both Celsius and Fahrenheit scales are equal..... -40^0

B 18. Rays used to take photographs of objects in darkness or fog ..... IR radiation

C 19. Supersonic flight means.....flight moving with velocity > sound velocity

D 20. Number of images of an object between two parallel plane mirrors.....infinity

A 21. Reason for mirage.....total internal reflection of light

B 22. Primary colours.....blue,green and red

C 23. Mirror used by dentist.....concave mirror

D 24. Units for sound intensity.....db, desible

A 25. Intensity of sound causes defness...110db

B 26. Remote control works with .....IR rays

C 27. Units for power.....watt

D 28. Nuclear reaction in Sun.....nuclear fusion

A 29. Material used for filament of electric bulb.....tungsten

B 30. When slices of apple exposed to air turns brown after sometime because ..... iron in apple gets oxidized

C 31. White roof keeps the house cooler in summer than black roof because.....white reflects heat

D 32. Who discovered electron.....J.J.Thomson

A 33. Minimum distance required from reflector to hear clear eco of sound 16.5m

B 34. Optical fiber working principle....total internal reflection

C 35. Least distance of vision required.....25 cm

D 36. Lens used to rectify short sight.....concave lens

A 37. Rays used to study finger prints.....UV rays

B 38. Electric heater material.....Nicrome

C 39. Metals in Nicrome.....80% Nickel + 20% chromium

D 40. Minimum escape velocity of rocket to be launched into space.....11.2 km/s

A 41. The splitting of different colours of light in a prism is due to.....dispersion of light

B 42. The velocity of heat radiation in vacuum..... velocity of light

C 43. Heat from the sun reaches by process.....radiation

D 44. Waves used in oven.....microwaves

A 45. What apparatus/method is used to locate a submerged object.....Sonar

B 46. Different colours of different stars are due to ..... Different temperatures of different stars

C 47. Wollen cloths keep the body warm because ..... wool is a bad conductor

D 48. The sky appears blue because of..... Scattering of light

A 49. Dynamo is a device for converting..... Mechanical energy into electrical energy

B 50. The device converts AC to DC .....rectifier

C 51. The instrument for measuring intensity of earthquake .....seismoghaph

D 52. Nuclear reactor working principle....nuclear fission

A 53. The metal used for lightning conductor ....copper

B 54. Newton's first law of motion gives the concept of .....inertia

C 55. A pond of water appears less deep due to ..... Refraction of light

D 56. photocell which energy converts to which energy....light energy into electrical energy

A 57. device used to block DC in electronic circuit..... capacitor

B 58. The strongest force in nature ..... Nuclear force

C 59. Different colours in petole drop on road due to .....interference

D 60. The device used to change the speed of electric fan ..... Regulator

A 61. Transformer working principle..... mutualinduction

B 62. The atmospheric air is held to the earth by..... Gravity

B 63. Seconds pendulum time period..... 2s

C 64. Temperature that water has high density ....4^0C

D 65. The filament material of electric bulb..... tungsten

D 66. Fuel used in nuclear reactor.....uranium

A 67. Rearview mirror for driving ..... Convex mirror

B 68. When milk is churned the cream separates from it due to ..... Centrifugal force

C 69. The S.I unit of electric charge ..... coulomb

D 70. The S.I unit of electric current ..... amp

71. The S.I unit of electric potential..... volt

72. The S.I unit of electric capacitance .... Farad

73. The S.I unit of electric inductance ..... Henry

74. The S.I unit of electric resistance .....ohm

75. The S.I unit of force .....Newton

76. The S.I unit of work ..... joul

77. The S.I unit of energy ..... joul

78. Knot is a unit of ..... Speed

79. Unit of solid angle ..... steradian

80. Unit of radioactivity ..... curie

81. S.I unit of frequency .....hertz

82. General formula for density ..... mass/volume

D 83. Device to test the purity of milk ....lactometer

84. First woman to win noble prize.... Marrie Curie

85. Element which has no neutron ..... hydrogen

86. What do we call the nuclides having same atomic number ..... isotopes

87. What do we call the nuclides having same atomic mass number.... Isobars

88. What do we call the nuclides having same neutron number..... isotones

89. Name of the electron coming from nucleus ...beta particle

90. Neutron discovered by ..... Chadvic