

Paddock Road, Majevadi Gate, Junagadh, GUJARAT 362001

Outward No. MCJ/PSM/297/202/ Date: - 04/09 /202/

ડૉ. કૃતાર્થ આર. બ્રહ્મભટ્ટ, પ્રાધ્યાપક અને વિભાગનાં વડા, કોમ્યુનિટી મેડીસીન વિભાગ, જી.એમ.ઇ.આર.એસ.મેડિકલ કૉલેજ, જૂનાગઢ. તા.૦૪/૦૯/૨૦૨૧

પ્રતિ, ડીન શ્રી, જી.એમ.ઈ.આર.એસ.મેડિકલ કૉલેજ, જૂનાગઢ.

<u>વિષય</u>: કોમ્યુનિટી મેડીસીન વિષયની માહિતી આપવા બાબત. શ્રીમાન

ઉપરોક્ત વિષય અન્વયે જણાવવાનું કે, અમારા કોમ્યુનિટી મેડીસીન વિભાગના કોમ્યુનિટી મેડીસીન વિષયના Third Year M.B.B.S Part-1 ના જૂના કરીક્યુલમ અને First Year & Second Year ના જૂવા કરીક્યુલમ ની માહિતી સોફ્ટ કોપી તેમજ હાર્ડ કોપીમાં આ સાથે સામેલ રાખી મોકલી આપવામાં આવે છે. આભાર સહ.....

આપનો વિશ્વાસુ,

(ડૉ. કૃતાર્થ આર. બ્રહ્મભટ્ટ)

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<u>બિડાણ:</u>

૧) કોમ્યુનિટી મેડીસીન વિષયના Third Year M.B.B.S Part-1 ના જૂના કરીક્યુલમ અને First Year & Second Year ના નવા કરીક્યુલમ માહિતી.

PA AZ MG

GMERS MC. JUNAGADH
Inward No: 43.22.
Date: 0.7.10.61.22.

Bhakt Kavi Narsinh Mehta University, Junagadh Community Medicine

Mark scheme: University examination

	Total: 200 m	arks
	Theory	
Paper 1	60 marks	3 hours
Paper 2	60 marks	3 hours
Internal assessment	20 marks	
Total	140 marks	Passing: 50% = 70 Marks

Structure of question paper Theory exam – University examination For both papers (Paper I and Paper II)

Ouestion		Section I	
0-1	Write short notes on	Any 6 out of 8	$6 \times 4 = 24$ marks
Q-2	Write answer to the point in 2 or 3 sentences	Any 6 out of 7	6 × 1 = 6 marks
	Total		30 marks

Question		Section II	
0-3	Write short notes on	Any 6 out of 8	$6 \times 4 = 24 \text{ marks}$
Q-4	Write answer to the point in 2 or 3 sentences	Any 6 out of 7	$6 \times 1 = 6$ marks
	Total		30 marks

> Time duration for each paper is 3 hours. Total marks 60 for each paper.

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> Syllabus for University Examination:

Paper - I	Paper - II
 Concepts of Health and Disease Principles of Epidemiology and Epidemiologic methods Screening for Diseases Epidemiology of Communicable Diseases Epidemiology of Chronic Non-Communicable Diseases and Conditions Health Programmes in India Entomology 	 Demography and Family Planning Preventive Medicine in obstetrics. Paediatrics and Geriatrics Nutrition and Health Social Sciences and Health Environment and Health Occupational Health Genetics and Health Mental Health Health Information and Basic Medical Statistics Communication for Health Education Health Planning and Management Health Care of the Community International Health Disaster Management Hospital Waste Management



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<u>1st Internal Exam Pattern</u> Theory paper Style (100 Marks)

(old 34/labus)

Section-I (50 Marks)

Question	Pattern	Total Marks
Que.1	Write Comprehensive Notes on Any 2 out of 3 (2*10 Marks)	20 Marks
Que.2	Write Short Notes on Any 3 out of 4 (3*6 Marks)	18 Marks
Que.3	Write Answer to the Point in two to three sentences. Any 6 out of 8 (6*2 Marks)	12 Marks

Section- II (50 Marks)

Question	Pattern	Total Marks
Que.1	Write Comprehensive Notes on Any 2 out of 3 (2*10 Marks)	20 Marks
Que.2	Write Short Notes on Any 3 out of 4 (3*6 Marks)	18 Marks
Que.3	Write Answer to the Point in two to three sentences. Any 6 out of 8 (6*2 Marks)	12 Marks

1st Internal Exam Pattern Practical Exam Marking Pattern (100 Marks)

Sr. No.	Practical	Total Marks
1.	Case study	20
2.	Skill Station	10
3.	Spotters	10
4.	Viva voce by two faculties	60



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2nd internal Exam Pattern Theory paper Style (100 Marks)

(old syllabus)

Section- I (50 Marks)

Section- 1	(SU Marks)	Total Marks
Question	Pattern	20 Marks
Que.1	Write Comprehensive Notes on Any 2 out of 3 (2*10 Marks)	18 Marks
	Write Short Notes on Any 3 out of 4 (3*6 Marks)	The second secon
Que.3	Write Short Notes on Any 3 out of 4 (3 o Mante) Write Answer to the Point in two to three sentences. Any 6 out of 8 (6*2 Marks)	

Section-II (50 Marks)

Section-L	(SU Marks)	Total Marks
Question	Pattern	20 Marks
Que.1	Write Comprehensive Notes on Any 2 out of 3 (2*10 Marks)	18 Marks
	Write Short Notes on Any 3 out of 4 (3*6 Marks)	
Que.3	Write Short Notes of Any 5 dat of 4 (5 c) Markey Write Answer to the Point in two to three sentences. Any 6 out of 8	12 Iviaiks
Que.s	(6*2 Marks)	

2nd internal Exam Pattern Practical Exam Marking Pattern (100 Marks)

	Described	Total Marks
Sr. No.	Practical	40
1	Family study	40
1.	Epidemiology Exercise	10
2.		10
3.	Statistical exercise	10
4.	Spotters	10
5	Viva voce by two faculties	30
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Preliminary Exam Pattern Theory paper style (60 Marks) (Same for paper I & paper II)

(old syllabus)

tion I (30 Marks)

Section I (3		Total Marks
Question	Pattern	12 Marks
Que.1	Write Notes on Any 2 out of 3 (2*6 Marks)	12 Marks
	Write Short Notes on Any 3 out of 4 (3*4 Marks)	6 Marks
Que.3	Write Short Notes on Any 3 out of 4 (3 4 Marks) Write Answer to the Point in two to three sentences Any 6 out of 8	
	(6*1 Marks)	

Section II (30 Marks)

Section II (30 Marks)	Total Marks
Question	Pattern	12 Marks
Que.4	Write Notes on Any 2 out of 3 (2*6 Marks)	12 Marks
_	1 2+ of 1 (2*1 Marks)	
Que.6	Write Notes on Any 3 out of 4 (3 4 Marks) Write Answer to the Point in two to three sentences Any 6 out of 8	
Q20	(6*1 Marks)	

-ibution of Syllabus:

Paper - I Concepts of Health and Disease Principles of Epidemiology and Epidemiologic methods Screening for Diseases Epidemiology of Communicable Diseases	Paper - II Demography and Family Planning Preventive Medicine in obstetrics. Paediatrics and Geriatrics Nutrition and Health Social Sciences and Health Environment and Health Occupational Health
 Epidemiology of Chronic Non- Communicable Diseases and Conditions Health Programmes in India Entomology 	 Genetics and Health Mental Health Health Information and Basic Medical Statistics Communication for Health Education Health Planning and Management Health Care of the Community International Health Disaster Management Hospital Waste Management



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Practical

Sr.no.	Topic
1	Introduction of Biostatistics and presentation of data
2	Measures of central tendency
3	Measures ofvariability
4	Normal Distribution
5	Calculation of sample size and sampling methods
6	Sampling Variability and significance
7	Z test
8	t test
9	Chi-square test
10	Epidemiological Exercise 1 (Measures of Morbidity)
11	Epidemiological Exercise 2 (Screening test)
12	Epidemiological Exercise 3 (Case Control Study, Cohort Study & Malarial Indices)
13	Vital statistics & Demography – 1 (Mortality rates and ratio)
14	Vital statistics & Demography – 2 (Fertility Indicators)
15	Vaccine requirement calculation, Drop-out rate, Left out rate, Vaccine efficacy
16	Horrock's apparatus
17	H2S strip, chloroscope (to check residual chlorine)

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Sr.no.	Practical
1	Horrock's apparatus
2	H2S strip, (to check residual chlorine)
3	chloroscope
4	Hardness of Water
5	Meteorology

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Sr. No.	Practical
	Horrock's apparatus - to find out the dose of bleaching powder required for disinfection of water
2	H2S strip
3	Estimation of hardness of water
4	Chloroscope - to check the residual chlorine in water
5	 Meteorology: Thermometer - measures the air temperature Maximum and minimum thermometer Sling psychrometer - to measure relative humidity of the air Wind vane - to observe wind direction Sound level meter - for measuring noise or sound levels Globe thermometer - direct measurement of the mean radiant temperature of the surroundings Kata thermometer - to measure cooling power of the air and low air velocities
	Barometers – to measure the atmospheric pressure



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Seminar

Sr.no.	Seminar Topic
1	Basic measurements (morbidity and mortality) in epidemiology and descriptive epidemiology
2	Analytical epidemiology
3	Dynamics of disease transmission
4	National Immunization Schedule and AEFI
5	Disease prevention and control (with levels of prevention) and Investigation of an epidemic
6	Screening
7	Measles, Mumps and Rubella
8	Influenza and Acute respiratory infections
9	Diphtheria, pertussis and tetanus
10	Acute diarrheal disease, Cholera & Food poisoning
11	ТВ
12	Polio
13	Malaria
14	Dengue, Chikungunya&Filariasis
15	Rabies & Leptospirosis
16	Cardiovascular diseases & Coronary heart disease
17	Hypertension
18	Stroke & RHD
19	Cancer
20	HIV & STIs
21	Diabetes Mellitus & Obesity
22	Antenatal care, intranatal care & postnatal care (including breastfeeding)
23	Family Planning
24	LBW, Growth chart and Child health problems
25	Indicators of MCH care

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First M.B.B.S (1st semester) - Theory lectures Cold syllabus)

Sr. No	Lecture Tenic		
	Lecture Topic		
Concept of Health and Disease			
1.	Introduction of community medicine		
2.	History of Community Medicine		
3.	Concept of Health I- Definitions, Dimensions,		
4.	Concept of Health II- concept of Well being, Spectrum of health		
5.	Determinants of Health, Right to Health, Responsibility for Health		
6.	Indicators of Health		
7.	Concept of Disease- Concept of Causation		
8.	Natural History of Disease		
9.	Concept of Control, Concept of Prevention		
	and Health		
10.	Introduction to Medical Sociology- Social Context of Medicine, Social and Behavioral Sciences		
11.	Social Organization: Family, Family in Health and Disease		
12.	Role of Culture in Health and Disease		
13.	Social Classifications		
14.	Social Psychology- Emotions, Attitudes, Learning, Habits, Personality, Intelligence		
15.	Social Problems- Social Pathology, Community Services		
16.	Social Agencies, GNP, GDP, Social security		
Nutrition	(Basics)		
17.	Introduction to Nutrition, Classification of Food and Nutrients, Proteins		
18.	Fats and Carbohydrates		
19.	Fat Soluble Vitamins		
20.	Water Soluble Vitamins		
21.	Minerals I- Calcium, Phosphorus, Iron		
22.	Minerals II- Iodine, Fluorine, Other trace elements		
23.	Balanced Diet		
Applied I	Nutrition		
24.	Protein Energy Malnutrition I		
25.	Protein Energy Malnutrition II		
26.	Vitamin A Deficiency Disorders		
27.	Nutritional Anemia		
28.	Iodine Deficiency Disorders		
29.	Endemic Flourosis, Lathyrism		
30.	Assessment of Nutritional Status		



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Second M.B.B.S (IIIrd semester) - Theory lectures Cold syllabys

Sr.No.	Lecture Topic	
Environment and Health		
1.	Introduction, Water- Safe water, Sources, Water pollution	
2.	Water Purification- Large Scale	
3.	Water Purification- Small Scale	
4.	Water Quality- Criteria and Standards	
5.	Air – Public health aspects	
6.	Ventilation, Light - Public health aspects	
7.	Noise- Public health aspects	
8.	Radiation - Public health aspects	
9.	Housing- Standards, Health Implications	
10.	Solid Waste Disposal - Public health aspects	
11.	Swimming Pool, Camp and Fair Sanitation	
12.	Town planning	
Demogr	aphy and Family Welfare	
13.	Demography and Population Trends I	
14.	Demography and Population Trends II	
15.	Sex Ratio, PNDT Act	
16.	Contraception: Methods, Counseling, Unmet need, Delivery system	
17.	National Family Welfare Programme	
18.	National Population Policy	

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Second M.B.B.S (IVth semester) - Theory lectures Cold Syllabus)

Sr.	Lecture Topic
Bio-Stati	stics
1.	Introduction to Bio-statistics, Sources and Types of Data
2.	Data Presentation
3.	Measures of Central Tendencies, Measures of Location
	Measures of Variability
	Sampling
and the second	Probability
7.	Annual Considered Margard Positive (7)
8.	Statistical Tests of Significance, Confidence Interval
9.	Standard error of Mean, Standard error of Difference between Two Means
40	fall touch
11.	Standard error of Proportion, Standard error of Difference between Two Proportions
12.	Chi-square Test
13.	Correlation and Regression
14.	Multiple regression and multivariate analysis
15.	Life table, meta-analysis
General	Foidemiology
16.	Introduction (Definition, Approach), Basic Measurements I
17.	Basic Measurements in Epidemiology II
18.	Epidemiologic methods- Descriptive Study
19.	Epidemiologic methods- Analytical Case Control
20	Enidemiologic methods- Analytical Cohort
21.	Epidemiologic methods- Randomized and Non-randomized Controlled Trials
22.	Association and Causation,
	Uses of Epidemiology
24.	Infectious Disease Epidemiology: Definitions
25.	Dynamics of Disease Transmission
	Disease Prevention and Control
	Screening
Specific	Epidemiology: Communicable Diseases
J	Respiratory Infections
28.	Chicken Pox
	Measles
	Rubella, Mumps
	Influenza, Swine Flu, Avian Flu
	Diphtheria



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Third M.B.B.S (VIth semester)

Cold syllabus

	Inira Ivi.B.B.5 (Vi semester)
Sr. No	Lecture Topic
	Respiratory Infections
1.	Whooping Cough, Meningococcal Meningitis
2.	Tuberculosis I
3.	Tuberculosis II (RNTCP)
<u>J.</u>	Gastrointestinal Infections
4.	Poliomyelitis I
5.	Poliomyelitis II (Polio Eradication Programme)
6.	Enteric Fever
7.	Cholera, Acute Diarrheal Diseases
8.	Viral Hepatitis
9.	Food poisoning, Human Salmonellosis
10.	
11.	Roundworm and Hookworm Infestation
	Arthropod Borne Infections and Zoonoses
12.	Malaria I
13.	
	Lymphatic Filariasis
	Arho-Viral Diseases I: Dengue Syndrome
16.	the state of the s
17.	Parasitic Zoonoses: Leishmaniasis, Taeniasis, Hydatid Disease
18.	
	Rabies
	Leptospirosis
	Plague
22.	
	Surface Infections
23.	
	Tetanus
	Leprosy I
	Leprosy II (NLEP)
	STDs, Yaws
	AIDS I
	AIDS II (NACP)
20.	Hospital Acquired Infections, Emerging and Re-emerging Infectious Diseases
Specific	Epidemiology: Non-communicable Diseases
31.	
32.	
33.	
34.	
35.	
36.	
37.	
38.	
39.	Accidents

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Third M.B.B.S (VIIth semester)

(old syllabus)

	Pozt-I
RMNCH	
1.	Introduction and Maternal Health Care
2.	Maternal Mortality & Prevention Strategy
3.	Essential New Borne Care (ENBC)
4.	Infant Mortality & Prevention Strategy
5.	USMR and U5 clinic
6.	Growth and Development
7.	Child Health Problems: Handicapped Children (Mental Retardation), Behavioural Problems
8.	Adolescent Health
9.	School Health Services (RBSK)
Health I	Management and Health Care Services
10.	Health Planning and Management
11.	Evaluation of Health Services
12.	Evolution of Health services in India
13.	Health System in India
14.	Health care in India (including Primary Health Care, MDG, National Health Policy) I
15.	Health care in India (including Primary Health Care, MDG, National Health Policy) II
16.	International Health agencies
Nationa	Health Programmes
17.	NRHM
18.	RMNCH+ A (New Initiatives by Government)
Occupa	ional Health
19.	Introduction, Occupational Hazards
20.	Occupational Diseases I (Pneumoconiosis)
	Occupational Diseases II (Lead poisoning, Occupational Cancers, Occupational Dermatitis)
	Occupational Hazards in Agriculture Workers, Sickness Absenteeism, Health Problems
23.	Prevention of Occupational Diseases and Ergonomics
24.	Factory and ESIS Act
Geriatri	S
25.	Preventive Medicine and Geriatrics
Disaster	Management
26.	Disaster Management
Mental	Health
27.	Mental Health, Substance Abuse
Genetic	and Health
28.	Basics to Genetics, Genetic disorders: Chromosomal, Unifactorial, Multifactorial
29.	Population Genetics, Genetic Counseling
Health E	ducation
30.	Health Education I
31.	Health Education II



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1st MBBS – 2nd Semester Field Visits (Duration: 2 hours) (old syllabus)

Sr. No	Topic
1	Diagnostic Units in a Hospital - Pathology, Microbiology, Biochemistry,
•	Radiology
2	Blood Bank
3	Central Sterilization and Supply Department
4	Medical Record Department(MRD)
5	Central Medical Store
6	Medicine Department
7	Surgical Departments
8	Emergency Department / Trauma Centre
9	Obstetrics & Gynecology Department
10	Pediatrics Department
11	Rural Health Training Centre(RHTC)
12	Urban Health Training Centre(UHTC)
13	Immunization Clinic
14	Nursing Care Unit
15	Hospital Kitchen

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II/I MBBS – 3rd Semester (Duration 3 hours) Community Posting Time Table

(old syllabus)

Sr. No	Topic
1	Introduction to CP & Communication Skill – Theory
2	Communication Skill – Practical
3	IYCF – Theory & Video Showing
4	IYCF - Practical & Discussion
5	Dietary advice on special condition / disease – Theory & Practical (Physiological Conditions: Under five child, Adolescent, Pregnant woman, Lactating mother, Elderly person)
6	Dietary advice on special condition / disease – Theory & Practical (Pathological Conditions: HT, DM, CKD, Liver Disease)
7	Assessment of dietary intake - Theory
8	Assessment of dietary intake - Practical & Discussion
9	Growth chart, Anthropometry, Obesity assessment - Theory & Practical
10	NRC visit + Nutrition Problems
11	Introduction to Immunization, National Immunization Schedule & UIP Vaccines + Immunization Problems
12	Cold chain & Non-UIP Vaccines
13	Contraception - I (Introduction to FP, Barrier methods and IUDs)
14	
15	Contraception – III (Abortion, MTP Act, Natural Methods and Miscellaneous Methods of Contraception)
16	Contraception – IV (Pearl index, Unmet need of Family Planning and Community Needs Assessment Approach + Contraception Problems)
17	
18	
19	Overview about UHC & UHTC and Visit
20	PP unit Visit

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II/II MBBS – 4th Semester (Duration 3 hours) Community Posting Time Table

(old syllabus)

Sr. No	Topic			
1	Skill Station – Blood Pressure			
2	Skill Station – Random Blood Sugar			
3	Skill Station - Body Mass Index, Waist Circumference			
4	Skill Station – Body Temperature Measurement			
5	DTC and DLO Visit			
6	Anganwadi visit			
7	Introduction to entomology and Mosquito-I (Species & Life cycle, Mosquito-Diseases transmitted, breeding and biting habits)			
8	Mosquito- Prevention & Control Insecticides & Rodents			
9	Housefly, sandfly, rat flea, bug Tick, Louse, Mite, Cyclops Slide Demonstration			
10	Purification of water			
11	Water Filteration Plant Visit			
12	ICTC/ STI visit			
13	ART Center Visit			
14				
15				
16				
17	IMNCI (0-2 Months)			
18				
19				
20				
21	IMNCI (2 Months- 5 Years)			
22	IMNCI Visit (Pedia ward visit)			

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III/I MBBS – 6th Semester (Duration 3 hours) Community Posting Time Table

(old syllabus)

Sr No.	Topic		
1	RHTC Visit		
2	Sub center Visit		
3	UHTC Visit		
4	Anganwadi center Visit		
5	CHC Visit		
6	Introduction to family & its type, Social class, Criteria of housing & overcrowding		
7	Family health study Proforma discussion		
8	Family health study visit		
9	Family health study visit		
10	Family study Analysis (Nutrition Calculation)		
11	The second secon		
12	Research Project (Briefing)		
13	Research Project (Briefing)		
14			
15			
16			
17	Skill station – Blood pressure		
18	Occupational Health related Spots		
19	Skill station – Random Blood Sugar		
20	Biomedical Waste Management		
21	Skill station - Body Temperature		
22	Meteorological Instruments		
23	Skill station - Hand washing		

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II/I MBBS - 3rd Semester

End posting examination pattern

(old syllabus)

Total marks- 100

Marks distribution:

Assessment by	Marks	Time
Viva voce by two faculties	30	5 minutes to each faculty
Multiple Choice Questions (20 MCQs)	20 (0.33 Negative Marks for wrong answer)	15 minutes
Field Visit Presentation	10	15 minutes
Case Study (5 Cases)	20	30 minutes
Journal (activities documentation)	10	-
Spotting (5 Spots)	10	10 minutes

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II/II MBBS - 4th Semester

(old syllabus)

End posting examination pattern

Total marks- 100

Marks distribution:

Assessment by	Marks	Time
Viva voce by two faculties	30	5 minutes to each
Tru voco oj tiro menines		faculty
Multiple Choice Questions	20	15 minutes
(20 MCQs)	(0.33 Negative Marks	
(2000)	for wrong answer)	
Field Visit Presentation	10	15 minutes
Journal (activities documentation)	10	-
Spotting (5 Spots)	10	10 minutes
Skill Station	20	5 minutes

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III/I MBBS - 6th Semester

End posting examination pattern

(old syllabus)

Total marks- 100

Marks distribution:

Assessment by	Marks	Time
Viva voce by two faculties	20	5 minutes to each faculty
Family study Viva	30	15 minutes
Multiple Choice Questions (20 MCQs)	20 (0.33 Negative Marks for wrong answer)	15 minutes
Family Report presentation & Submission	10	15 minutes
Field Visit Presentation	10	15 minutes
Spotting (5 Spots)	10	10 minutes

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