

ತುಮಕೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ

విశ్వవిద్యానిలయ కాయాజులయ, బి.ఎచ్. రస్త, పుమశోరు - 572 103

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ಸುತ್ತೊಂದೆ

విషయః:- స్నేతక రశాయనశాస్త్ర విషయద మూరనే సేమిస్టర్స్ న ప్రాయోగిక పరిచ్ఛా స్క్యూల్స్ ఆఫ్ ఎక్సామినేషన్స్ హాగూ ప్రాయోగిక పరిచ్ఛా సమయపన్న నాల్సు గంటిగళ బదలాగి మూరు గంటిగళగే బదలాయిసియువ కురితు.

ಉಲ್ಲೇಖ: 1) ಅಧ್ಯಕ್ಷರು, ಸ್ವಾತಕ ರಸಾಯನಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ಇವರ ಮನವಿ ಪತ್ರ ದಿನಾಂಕ
07.03.2023

2) ಮಾನ್ಯ ಕುಲಪತಿಗಳ ಅನುಮೋದನೆ ದಿನಾಂಕ 15.03.2023

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ಮೇಲ್ಕುಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ಉಲ್ಲೇಖ(1) ರ ಮನವಿ ಪತ್ರದಲ್ಲಿ ತಮಕೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ರಸಾಯನಶಾಸ್ತ್ರ ವಿಷಯದ ಬೋಧಕರ ಒಕ್ಕೂಟದ ಮನವಿ ಅನ್ವಯ NEP- ಸಾಮಾತ್ರಕ ರಸಾಯನಶಾಸ್ತ್ರ ವಿಷಯದ ಮೂರನೇ ಸೆಮಿಸ್ಪರ್ಶನ ಪ್ರಾಯೋಗಿಕ ಪರೀಕ್ಷೆಗಳ ಸ್ಕ್ರೇಮ್ ಆಫ್ ಎಕ್ಸಾಮಿನೇಷನ್ ಅನ್ನ ಸಾಮಾತ್ರಕ ರಸಾಯನಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ಮಂಡಳಿಯ ಶಿಫಾರಸ್ಸಿನ ಮೇರೆಗೆ ಸಿದ್ಧಪಡಿಸಿ ಮುಂದಿನ ಸೂಕ್ತ ಕ್ರಮಕ್ಕಾಗಿ ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಸಲ್ಲಿಸಿರುತ್ತಾರೆ.

ಮುಂದುವರೆದು, NEP- ಸ್ಕೂಲ್‌ಕ ರಸಾಯನಶಾಸ್ತ್ರ ವಿಷಯದ ಪ್ರಾಯೋಗಿಕ ಪರೀಕ್ಷೆಗಳ ಸಮಯವು ಈ ಹಿಂದೆ ನಾಲ್ಕು ಗಂಟೆಗಳಿಗೆ ನಿಗದಿಯಾಗಿರುತ್ತದೆ. ಆದರೆ, ತಮಕೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ರಸಾಯನಶಾಸ್ತ್ರ ವಿಷಯದ ಬೋಧಕರ ಒಕ್ಕಾಟವು ಪ್ರಾಯೋಗಿಕ ಪರೀಕ್ಷೆಗಳ ಸಮಯವನ್ನು ನಾಲ್ಕು ಗಂಟೆಗಳಿಂದ ಮೂರು ಗಂಟೆಗಳಿಗೆ ಬದಲಾಯಿಸಬೇಕೆಂದು ಅಧ್ಯಯನ ಮಂಡಳಿಗೆ ಮನವಿ ಸಲ್ಲಿಸಿರುವ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಪರೀಕ್ಷೆ ಸಮಯವನ್ನು ನಾಲ್ಕು ಗಂಟೆಗಳಿಂದ ಮೂರು ಗಂಟೆಗಳಿಗೆ ಬದಲಾಯಿಸಬೇಕೆಂದು ಕೋರಿರುತ್ತಾರೆ. ಈ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ೩೫(೨)ರ ಮಾನ್ಯ ಕುಲಪತಿಗಳ ಅನುಮೋದನೆ ಮೇರಿಗೆ ಸ್ಕೂಲ್‌ಕ ರಸಾಯನಶಾಸ್ತ್ರ ವಿಷಯದ ಪ್ರಾಯೋಗಿಕ ಪರೀಕ್ಷೆಗಳ ಸಮಯವನ್ನು ನಾಲ್ಕು ಗಂಟೆಗಳಿಂದ ಮೂರು ಗಂಟೆಗಳಿಗೆ ಬದಲಾಯಿಸಲಾಗಿದೆ ಎಂಬ ಅಂಶವನ್ನು ತಿಳಿಸಲಾಗಿದೆ.

ಸ್ವಾತಕ ರಸಾಯನಶಾಸ್ತ್ರ ಪದವಿ ಕೋಣಿನ ಸ್ನೇಹ್ ಆಫ್ ಎಕ್ಸ್‌ಮಿನೇಷನ್‌ನ ಪ್ರತಿಯನ್ನು
ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಜಾಲತಾಣ www.tumkuruniversity.ac.in ನಲ್ಲಿ ಪ್ರಕಟಿಸಲಾಗಿದೆ.

ಆದೇಶದ ಮೇರೆಗೆ,

Mangalakonkatti
ಲುಪಕುಲಸಚಿವರು
ಅಳ್ವಕುಲ ಸಚಿವರು

π₉

ఫుటక మత్తు సంయోజిత కాలేజుగల ప్రాంతపాలరు, తుమచూరు విశ్వవిద్యానిత్తమై త్రిపుక్కల్లిరు
ప్రతిగళు:

1. కులసబ్బివరు (పోల్చమాపన), తుమశారు విశ్వవిద్యానిలయ, తుమశారు - మాణితిగాగి మత్తు సూక్ష్మ క్రమక్రాగి.
 2. అధ్యక్షరు, స్కూల్ కెరసాయినశాస్త్ర అధ్యయన మండల, తుమశారు విశ్వవిద్యానిలయ, తుమశారు.
 3. సిస్టం అనలిస్ట్ తుమశారు విశ్వవిద్యానిలయ, తుమశారు - స్కూల్ కాలేజిగళ ప్రాంతపాలిగే ఇ-మేల్ కళుహిసువుదు మత్తు బేబోస్టోనల్లి ప్రకటిసువుదు.
 4. మాన్య కులపతిగళ ఆప్త కాయ్ఫదతీయవరు, తుమశారు విశ్వవిద్యానిలయ, తుమశారు.
 5. కడ్జీరి పత్తి.

SCHEME OF VALUATION IN CHEMISTRY FOR THE PRACTICAL EXAMINATIONS

III SEMESTER B.Sc., CHEMISTRY PRACTICALS

DISCIPLINE SPECIFIC COURSE- (III Semester B. Sc)

CCHEDSC03P: CHEMISTRY PRACTICALS-III

Practical (P): Credits:02	Marks	Total
Maximum Marks (M)	50	
Internal Assessment (IA)	25	25 1 Test + 1 Assignment + viva + record (10+5+5+5)
Summative Assessment (SA)	25	25
Duration of examination	3 hours	

Duly certified practical record shall be submitted at the practical examination (no evaluation of record). The same shall be verified and certified by examiners.

Summative Assessment (SA) (Practical Examination):

Part-A	12 Marks
Part-B	13 Marks

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2000 words Marshall.
If :-

PART-A: (12 MARKS)

Any one of the following experiments shall be set to perform (brief procedure should be given):

1. Colorimetric Estimation of
 - a) Copper using ammonia solution
 - b) Iron using thiocyanate solution
 - c) Nickel using DMG solution
 - d) Titanium using hydrogen peroxide
 - e) Nitrite in a water sample (diazo coupling Reaction/Griess reagent
 - f) Phosphate as ammonium phosphomolybdate.

NOTE: A ten-fold concentrated stock solution is to be prepared by the examiners, from this

- i. A working standard solution prepared by diluting above stock solution ten times is to be given to the student.
- ii. The unknown solution should be chosen such that its value falls between the second and fourth points on the calibration graph. For this suitable volume of the stock solution shall be supplied to the students in 100 cm^3 volumetric flask which is to be made-up by the students and used for the estimation in duplicate.

ALLOTMENT OF MARKS

Total Marks-12

	Upto ± 10	Upto ± 15	Upto ± 20	Any other value	
i. Writing Protocol					02
ii. Calibration graph (scale must be written)					02
iii. Concentration of unknown solution with suitable unit					07
iv. Calculation					01

2. Determination of the enthalpy of neutralization of a strong acid with strong base.

ALLOTMENT OF MARKS

Total Marks-12

(Water equivalent of the calorimeter should be provided by the examiners)

- i. Recording the temperature of the acid, base and mixture-graphically at different time intervals in tabular column. 05
- ii. Value of enthalpy 05

Error (in kJ)	Upto ± 10	Upto ± 15	Any other value
Marks	5	3	2

- iii. Calculation of change in temperature and enthalpy 02

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K. Daskshmait
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PART-B: (13 MARKS)

Qualitative analysis of the given organic compound

Qualitative analysis of mono / bifunctional Organic compounds such as 1) Salycilic acid, p-Nitro benzoic acid, Antranilic acid, p-Chloro benzoic acid 2) o-Cresol, p-Cresol, Resorcinol, o-Nitrophenol, p-nitophenol 3) o-Nitro aniline, p-Nitroaniline, p-Toluidine, p-Chloroaniline, p-Bromoaniline, 4) Ethyl Salicylate, Salicylaldehyde, Acetophenone, p-Dichlorobenzene, p-Nitro toluene, Benzamide etc. (At least 6-8 compounds to be analysed in a semester)

ALLOTMENT OF MARKS

Total Marks-13

i.	Preliminary test	01
ii.	Hetero element detection (Preparation of stock-01) (Detection of element-03)	04
iii.	Solubility test (Solubility table-01) (Correct group-01) (Nature of compound-01)	03
iv.	Identification of functional group (Minimum two confirmatory tests-04)	04
v.	Preparation of derivative	01

Members

1. Dr. Nirmala. B
2. Dr. T. B. Nijalingappa
3. Dr. Aisha Siddekhya
4. Sri. Dakshinamurthy K.
5. Sri. Prabudev N.S

Signature

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Afzal

K. Dakshinamurthy

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Dr. Aruna Kumar D B

Chairman

BOS (UG) CHEMISTRY
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