



Pune District Education Association's
Annasaheb Magar Mahavidyalaya
Hadapsar, Pune- 411028

Affiliated to Savitribai Phule Pune University, Pune



Self Study Report: 2024 (4th Cycle)



Criterion - 1 **Curricular Aspects**

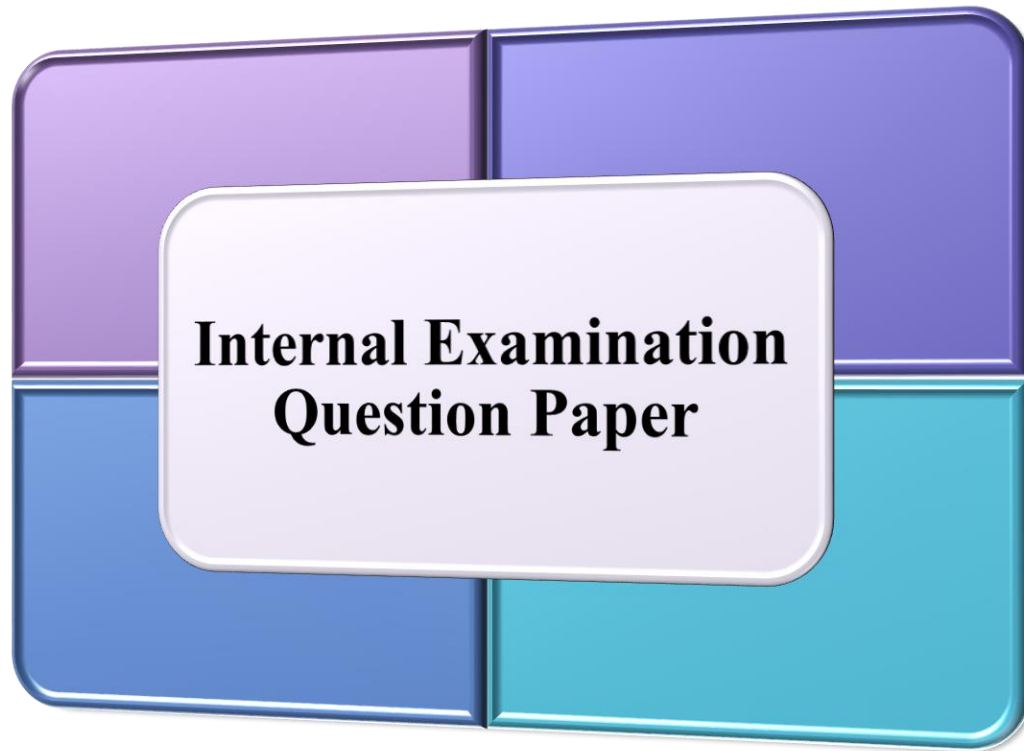
Key Indicator – 1.1 Curricular Planning and Implementation

Metric: 1.1.1(QIM)

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment



Submitted to
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL BENGALURU





Question Paper (Dept. Of Chemistry)**(2022-23)**

P.D.E.A.'s

Annasaheb Magar Mahavidyalaya, Hadapsar, Pune – 411 028

Internal Examination 2022 (Term-I)

T. Y. B.Sc. Chemistry Paper VII CH-507 Organic Chemistry

| | |
|--|---|
| Name of the Student Starting with Surname | College Roll No. : |
| Name & Signature of Junior Supervisor with Date : | University Seat No. : (If available) |
| Name & Signature of Examiner : | Marks Obtained Out of 10 : |

Time: 40 min.

Total Marks: 10

N.B.:1. All questions are compulsory.2. Figures to the right indicate full Marks.

Q.1. A) Choose the correct option:

(3)

- i) (CO1) Electrophilic substitution in five membered heterocycles usually occurs at ---
a) Hetero atom b) C-2 carbon c) C-3 carbon
- ii) (CO-2) Sulphonation of naphthalene at low temperature produces ---
a) Naphthalene 1-sulphonic acid b) Naphthalene 2-sulphonic acid c) Mix of 1 and 2 sulphonic acid
- iii) (CO-2) Nucleophilic substitution in pyridine mainly occurs at
a) C-1 carbon b) C-2 Carbon c) C-3 carbon
- iv) (CO 3) In an elimination reaction, more substituted alkene is major product is ----
a) Saytzeffs elimination rule b) Hoffmann elimination rule c) Markovnikoffs rule
- v) (CO-3) Which of the elimination mechanism involves first formation of carbocation followed by the elimination of proton?
a) E1 b) E2 c) E1Cb
- vii) (CO-3) Acylation of ethylacetoacetate followed by hydrolysis and decarboxylation gives --
a) alpha diketone b) beta diketone c) gama-diketone

(5)

Q.2. Answer the following:

- i) (CO-5) Explain E1, E2 and E1cb-Mechanism ii) (CO-5) What is reactive methylene group? Explain use of diethyl malonate in synthesis of propanoic acid.

(2)

Q.3. (CO-4) Explain Hawarth synthesis of naphthalene.

Question Paper (Dept. Of Chemistry)

(2022-23)



PDEA's

Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-411028

FYBSc Sem-II Internal Exam 2022-2023

Subject-Inorganic Chemistry (CH. 201)

Time- 40 mins

Q. 1 State true/false. (CO1)

5 marks

1. The angular node of the 5d orbital is **zero**
2. We can find the exact **position** and **momentum** of an electron
3. The region where probability of finding an electron is zero is called a **node**
4. The right side groups of the periodic table are called **d-block elements**
5. The size of an atom **increases** from left to right across a period

Q. 2 Write a short note on (any one):(CO3)

2 marks

1. Quantum numbers
2. Electronegativity


Q. 3 Answer the following:(CO6)

3 marks

1. Find the nodes of 5s orbital
2. What is the photoelectric effect?
3. Find Z_{eff} of O atom. Given $Z=8$.

Question Paper (Dept. Of Chemistry)

(2022-23)

| | | |
|--|--|---|
| PDEA's | |  |
| Annasaheb Magar Mahavidyalaya, Hadapsar. | | |
| T. Y. B. Sc. Internal Examination 2022- 23 | | |
| Analytical Chemistry CH – 502 | | |
| Time : 40 Min | | Max. Marks 10 |
| Name: _____ | | Roll No. _____ |
| Sign of Jr. Supervisor _____ | | Date _____ |
| Sign of Examiner _____ | | Marks obtained _____ |
| <hr/> | | |
| Q1. Select the most correct answer (C O 1) | | (02) |
| 1. The solubility of CaSO_4 in water is 'S' moles / lit, its solubility product is _____. | | |
| a) $2s$ b) $4s$ c) $2S^2$ d) $4S^2$ | | |
| 2. Dimethyl glyoxime in acidic medium is used for _____ metal ions | | |
| a) Ni b) Co c) Pd d) Pt | | |
| 3. Precipitation of ions from solution takes place when its ionic product is _____ than solubility product | | |
| a) smaller b) equal c) greater d) none of these | | |
| 4. In TGA analysis, property of the sample is measured against _____. | | |
| a) Time b) temperature c) difference in Weight d) none of these | | |
| Q2. Answer in one or two lines (C O 2) <i>Any two</i> | | (04) |
| 1. What is the basic principle of Inorganic Qualitative Analysis. | | |
| 2. Explain common ion Effect. | | |
| 3. What is co- precipitation. | | |
| 4. What is post precipitation. | | |
| Q. 3. Solve the following | | (04) |
| 1. If the solubility of Silver Chloride is 0.003 g/lit. Calculate its solubility product | | |
| 2.. Compound AB and AC_2 have solubility 2×10^{-4} mole/lit then which is more soluble in given solvent and why? | | |

Question Paper (Dept. Of Chemistry)

(2022-23)



PDEA's

Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-411028

FYBSc Sem-II Internal Exam 2022-2023

Subject-Inorganic Chemistry (CH.201)

Time- 40 mins

Q. 1 State true/false. (CO1)

5 marks

1. The angular node of the 5d orbital is **zero**
2. We can find the exact **position** and **momentum** of an electron
3. The region where probability of finding an electron is zero is called a **node**
4. The right side groups of the periodic table are called **d-block elements**
5. The size of an atom **increases** from left to right across a period

Q. 2 Write a short note on (any one):(CO3)

2 marks

1. Quantum numbers
2. Electronegativity

Q. 3 Answer the following:(CO6)

3 marks

1. Find the nodes of 5s orbital
2. What is the photoelectric effect?
3. Find Z_{eff} of O atom. Given $Z=8$.

Question Paper (Dept. Of Chemistry)

(2022-23)



P.D.E.A.'s

Annasaheb Magar Mahavidyalaya, Hadapsar, Pune – 411 028

Internal Examination 2022 (Sem-V)

CH-510(B) Polymer Chemistry

Name of student-

Seat No.

Supervisor Sign-

Q.1 Multiple Choice Questions (compulsory for all).

2 Marks

1) Degree of Polymerization is ____

- A) Rate of Polymerization B) Avg. No. of repeating units present in a polymer chain
C) mol. Wt. of Polymer/ mol. Wt. of Monomer D) Both B and C

2) When a trace of trifunctional monomer is added to the bifunctional monomer, we get ____ polymer.

- A) Linear B) Branched C) Cross-Linked D) Network

3) Monomer containing ____ bond undergo chain Polymerization.

- A) double B) single C) triple D) Functional Groups

4) Correct statement about free radical Polymerization is ____

- A) Free radical attacks monomer to form another Free radical.
B) There is transfer of free radical to attacking monomer unit.
C) Termination takes place by coupling or disproportionation.
D) All of the above

Question Paper (Dept. Of Chemistry)

(2022-23)



PDEA's

Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-411028

FYBSc Sem-II Internal Exam 2022-2023

Subject-Inorganic Chemistry (CH. 201)

Time- 40 mins

Q. 1 State true/false. (CO1)

5 marks

1. The angular node of the 5d orbital is **zero**
2. We can find the exact **position** and **momentum** of an electron
3. The region where probability of finding an electron is zero is called a **node**
4. The right side groups of the periodic table are called **d-block elements**
5. The size of an atom **increases** from left to right across a period.

Q. 2 Write a short note on (any one):(CO3)

2 marks

1. Quantum numbers
2. Electronegativity


Q. 3 Answer the following:(CO6)

3 marks

1. Find the nodes of 5s orbital
2. What is the photoelectric effect?
3. Find Z_{eff} of O atom. Given $Z=8$.


Question Paper (Dept. Of Chemistry)

(2022-23)

| | | |
|---|--|---|
| <p>P.D.E.A.'s Annasaheb Magar Mahavidyalaya, Hadapsar, Pune – 411 028 Internal Examination 2022 (Sem-I) Paper 1 CH-101 Physical Chemistry</p> | |  |
| Name of student: | | Date: |
| Time: | | Marks: 10 |
| Q.1) Multiple Choice Questions | | 2 Mark |
| C01 | 1) -----Deals with the energy transformation involved in various physical and chemical processes. a)Chemical Kinetics b)Ionic Equilibrium c) Thermodynamics d) Phase Equilibria | |
| C04 | 2)The equation of Gibbs free energy is ----- a)A = E – TS b)G = H +TS c) G = H – TS d)A = E + TS | |
| C01 | 3)For spontaneous process , ΔG is always----- a)positive b) Negative c)constant d) Zero | |
| C02 | 4)The reaction quotient(Q) at equilibrium is ----- a) 1 b) K c) <K d) >K | |
| Q.2) True or False | | 2 Marks |
| C02 | 1) Entropy of pure crystalline substance is zero | |
| C02 | 2) The process in which the pressure of the system remains constant during the process called as isochoric process. | |
| C02 | 3) If $\Delta G = 0$, the process is in equilibrium. | |
| C02 | 4) The equilibrium reaction in which all the reactants and products are in same phase called as Heterogeneous Equilibria. | |
| Q.3) Give answers of the following questions (Any Two) | | 2 Marks |
| C04 | 1) What is law of chemical equilibrium ? | |



Question Paper (Dept. Of Political Science)**(2021-22)**



पुणे जिल्हा शिक्षण मंडळाचे,
अण्णासाहेब मगर महाविद्यालय, हडपसर, पुणे
सत्रांत परीक्षा (२०२१ - २०२२)
विषय:- राज्यशास्त्र (राजकीय पत्रकारिता - S2)
वेळ :- एक तास वर्ग :- SYBA Sem - IV गुण :- २०
सूचना :- १) सर्व प्रश्न सोडविणे अनिवार्य आहे.
२) उजवीकडील अंक गुण दर्शवितात

Q.1. Answer the following questions in 300 words each (Any One)

(खालीलपैकी कोणताही एक प्रश्न ३०० शब्दात सोडवा)


१. भारतीय राजकीय प्रक्रियेत सोशल मिडियाची भूमिका स्पष्ट करा.
२. Explain the Social Media's Role in Indian Political Process
३. माध्यमिकरण म्हणजे काय ? माध्यमांचे प्रकार सांगा.
४. What is Mediation? State the types of Mediation

Q. 2. Answer the following questions in 100 words each (Any Two)

(खालील पैकी कोणतेही दोन प्रश्न १०० शब्दात सोडवा.)

१. पत्रकारितेची रचना
Structure of Journalism
२. २०१४ ची लोकसभा निवडणूक आणि माध्यमे
Media and Loksabha Election of 2014
३. २०१९ ची महाराष्ट्र विधानसभा निवडणूक आणि माध्यमे
Media and Maharashtra Assembly Election of 2019
४. राजकीय पक्ष आणि पत्रकारिता
Political Parties and Journalism

Question Paper (Dept. Of Economics)**(2021-22)**

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|---|----------------|---|
| PDEA's | |  |
| ANNASAHEB MAGAR MAHAVIDYALYA, HADAPSAR, PUNE 411028 | | |
| CREDIT & SEMESTER SYSTEM | | |
| Mid Semester Exam May-2022 (2019 Pattern) 2021-22 | | |
| SUBJECT: -Public Finance (S-4) | | |
| Class: - T.Y.B.A. | Semester: - VI | Total Marks-20 |
| DATE- 21/05/2022 | | TIME-1 Hours |
| Instructions:- 1) All Questions are Compulsory | | |
| 2) Figures to the right indicate full marks | | |
| Que. 1 Answer the following Questions (<u>Any one</u>) | | (10) |
| 1) What is fiscal Policy? Explain the Objective of Fiscal Policy. | | |
| 2) What is budget? Explain the types of Budget. | | |
| Que. 2 Answer the following Questions in Shortly (<u>Any Two</u>) | | (10) |
| 1) Instruments of Fiscal Policy. | | |
| 2) Fiscal Policy in Developing Countries. | | |
| 3) Explain the Objectives of Budget. | | |
| 4) Nature of Budget. | | |
| मराठी रूपांतर | | |
| सूचना १. सर्व प्रश्न अनिवार्य आहेत. | | |
| २. उजवीकडील अंक पूर्ण गुण दर्शवितात. | | |
| प्रश्न .१. खालील प्रश्नांची उत्तरे लिहा . (कोणतेही एक) | | (१०) |
| १. राजकोषीय धोरण म्हणजे काय? राजकोषीय धोरणाची उद्दिष्टे स्पष्ट करा. | | |
| २. अंदाजपत्रक म्हणजे काय? अंदाजपत्रकाचे प्रकार स्पष्ट करा. | | |
| प्रश्न . २. खालील प्रश्नांची थोडक्यात उत्तरे लिहा . (कोणतेही दोन) | | (१०) |
| १. राजकोषीय धोरणाची साधने. | | |
| २. विकसनशील देशातील राजकोषीय धोरण. | | |
| ३. अंदाजपत्रकाची उद्दिष्टे स्पष्ट करा. | | |
| ४. अंदाजपत्रकाचे स्वरूप. | | |
| * * * * * | | |

Question Paper (Dept. Of Chemistry)

(2021-22)

Pune District Education Association's Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-411028.

INTERNAL EXAMINATION (2021-22)

Class: F.Y. Paper No.: 1
SEM.: II Total Marks: 10

Name of the Student (Starting with surname): _____

Subject with title of the paper: (CH-201) Inorganic Chemistry Signature of teacher: _____

Name of the Teacher: Dr. Shrikant B. Jagtap

Time: 40 min.

Instructions: i. All the questions are compulsory (2.5)
ii. Every subquestion carries ½ mark.

Q.1. Define (correctly & exactly):

i. Radial node:

ii. Potential energy:

iii. Lattice energy:

iv. Ionic character:

v. Shielding effect: (2.5)

Q.2 MCQ Tick mark (✓) the correct answer:

i. The information _____ of orbit is given by subsidiary quantum number.
a) depth b) size c) shape c) length

ii. _____ model explains the hydrogen atomic spectra.
a) Sommerfield's b) Rutherford's c) J.J. Thomson's d) Bohr's

iii. In ClO_2 bond angle between Cl O Cl is _____ .
a) $102^\circ 30'$ b) $107^\circ 48'$ c) $100^\circ 28'$ d) 111°

iv. Non polar covalent bonding is shown by _____
a) HCl b) HF c) H_2 d) H_2O

v. f- block elements are called as _____ elements.
a) transition b) actinides c) lanthanides d) inner transition (2.5)

Q.3 State True [T] or False [F]:

i. The orbital with lower value of (n+l) has highest energy in neutral isolated atom. []

ii. σ bond is weaker than π bond. []

iii. Orbitals containing unpaired electrons can take part in bonding. []

iv. Atomic orbital is the wave function for an electron. []

v. A black body is a perfect absorber of radiant energy and a perfect radiator. [] (2.5)

Q.4 Solve:

i. The radius of second Bohr orbit is _____ .

ii. The effective nuclear charge for Helium's valence electron is _____ .

iii. Actual bond angle of BrF_3 is _____ .



iv. The wavelength of cricket ball of 150 g of velocity 200 m/s is _____ .

v. Calculate the screening constant of 3d electron of Co (Z=27).




Question Paper (Dept. Of Statistics)

2019-20

| | | |
|--|--|---|
|  | <p>F.D.E.A.'s Annasaheb Magar College, Hadapsar, Pune 411 028. <u>F.Y.B.Sc. : Statistics paper-I</u> : (Descriptive Statistics) <u>Internal Exam Oct.- 2019 (Sem- I)</u></p> |  |
| <p>Name of student: _____ Roll No.: _____</p> | | |
| <p>Jr. Supervisor's name & signature with date : _____</p> | | |
| <p>Time: 40 mins.]</p> | | <p>[Max. marks:10</p> |
| <p>N.B. 1) All questions are <u>compulsory</u>.</p> | | |
| <p>Q.1. Choose the correct alternative from <u>each</u> of the following [½ each]</p> | | |
| <p>1. For n observations $sd=5$, if each observation is increased by 2 then sd of new series is :</p> <p style="text-align: center;">a] 5 b] 10 c] 0.4 d] 2.5</p> | | |
| <p>2. If $mean=median=mode$ then SK_p of the distribution is:</p> <p style="text-align: center;">a] mean b] 0 c] 1 d] mode</p> | | |
| <p>3. For leptokurtic distribution the value of γ_2 is :</p> <p style="text-align: center;">a] >0 b] $=0$ c] <0 d] not equal to 0.</p> | | |
| <p>4. For the given distribution if $mean = 10$ & $sd = 2$ then CV is :</p> <p style="text-align: center;">a] 10 b] 20 c] 0.2 d] 5</p> | | |
| <p>5. If distribution of X is symmetric then value of μ_3 is.</p> <p style="text-align: center;">a] grater than 0 b] equal to 0 c] less than 0 d] not equal to 0</p> | | |
| <p>6. Let $V(X) = 4$, if $Y = [X - 5] / 2$ then $V(Y)$ is :</p> <p style="text-align: center;">a] 4 b] 1 c] 2 d] -0.5</p> | | |
| <p>Q.2. State weather <u>each</u> of the following statements are true or false. [½ each]</p> | | |
| <p>1. SRS is applicable if population is homogeneous.</p> | | |
| <p>2. If attributes A & B are independent then α & β are also independent.</p> | | |
| <p>3. For symmetric distribution $\beta_1 = 3$.</p> | | |
| <p>4. For frequency distribution with open end class interval we can find mean.</p> | | |


Question Paper (Dept. Of Chemistry)**(2019-20)**

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|---|---------------------------------------|---|
| P.D.E.A's AnnasahebMagarMahavidyalaya, Hadapsar, Pune – 411 028 Internal Examination 2019-20 (Term-I) F. Y. B.Sc. Paper II CH-102 Organic Chemistry | |  |
| Name of the Student Starting with Surname : | College Roll No. : | |
| Name & Signature of Junior Supervisor with Date : | University Seat No.: (If available) | |
| Name & Signature of Examiner : | Marks Obtained Out of 10 : | |
| Time: 40 min. N.B.:1. All questions are compulsory. 2. Figures to the right indicate full Marks. | | Total Marks: 10 |
| Q.1 A. Choose the correct option. i) The compound having sp and sp ³ hybridised carbon is ----- a) Propyne b) Propene c) Propane ii) Which of the following compound is stronger acid? ----- a) Bromoacetic acid b) Chloroacetic acid c) Iodoacetic acid iii) Which of the following compound will show tautomerism? ----- a) Acetone b) Trimethyl amine c) 2,2-dimethyl propanal iv) Racemic mixture is optically inactive because of ----- a) External compensation b) Internal compensation c) Absence of chiral Centre v) How many chiral centers are present in 2,3-dibromopentane ----- a) One b) Two c) Three vi) Which of the following compound has highest angle strain? ----- a) Cyclobutane b) Cyclopropane c) Cyclopentane | | 3 |
| Q.1B. Solve the following i) n-butane has higher boiling point than isobutane. Explain. ii) How propene is prepared from propanol and propyl bromide? iii) How cis and trans 2-butene is prepared from 2-butyne? iv) Draw the conformations of cyclohexane. v) Draw E and Z isomers of 2-pentene vi) Define Inductive effect and explain +I and -I effect. vii) Explain nucleophile and electrophile. | | 7 |

Question Paper (Dept. Of Chemistry)**(2019-20)**

P.D.E.'s ANNASAHAB MAGAR MAHAVIDYALAYA, HADAPSAR, PUNE-411028

S.Y.B. Sc. Paper – I (Physical and Analytical Chemistry) CH-211, (First Term)
Internal Examination Sep. 2019
Roll No./Exam Seat No.:



Name of the student: _____

Name and signature of Jr. Supervisor: _____

Time : 40 min. Total Marks: 10

N.B.: 1) All the Questions are compulsory. 2) Each subquestion carries ½ marks

Q.1. Define (exactly and correctly): (1.5)

i. Absorption coefficient:

ii. Temperature:

iii. Photon: (1.5)

Q.2.: MCQ Tick (✓) mark the correct answer:

i. The decomposition of NH_3 in primary process involves in free energy.

a) no change b) some times decrease or increase c) decrease d) increase

ii. Due to reaction ozone layer gets destroyed.

a) thermal b) explosive c) chain d) primary

iii. The quantity K in a rate law expression is a) Arrhenius constant b) independent of temperature c) independent of concentration d) dimensionless (1)

Q.3. State True[T] or False[F](Do not Tick [✓] or [X])

i. The rate constant for a reaction depends upon temperature, nature of reactants, solvent for solution except concentration of reactants. []

ii. Photochemical activation is highly selective. []

Q.4. Solve: (1)


i. Calculate percentage of light transmitted through 5 mm length of a liquid of absorption coefficient 2.5 .

ii. In a second order reaction the rate constant is $4.0 \times 10^{-4} \text{ M}^{-1} \text{ s}^{-1}$, What will be the concentration of reactant after 10 minutes if the initial concentration is 0.800 M ?

P.T.O.


Question Paper (Dept. Of Chemistry)

(2019-20)


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|---|------------------------------------|---|
| P.D.E.A.'s Annasaheb Magar Mahavidyalaya, Hadapsar, Pune – 411 028 Internal Examination 2019-20 (Term-I) S. Y. B.Sc. Paper II (CH-212) Organic and Inorganic Chemistry | |  |
| Name of the Student Starting with Surname : | College Roll No. : | |
| Name & Signature of Senior Supervisor with Date : | University Seat No. (If available) | |
| Name & Signature of Examiner : | Marks Obtained Out of 10 : | |
| Time: 40 min. | | Total Marks: 10 |
| N.B.: 1. All questions are compulsory. 2. Figures to the right indicate full Marks. (2) | | |
| Q.1. A) Choose the correct option: | | |
| i) Carbon content of Steel is% | | |
| a) 2 – 2.5 | b) 2.5 – 4.5 | d) 0.1- 1.5 |
| ii) Calcination is heating Ore in Of air | | |
| a) Presence | b) Absence | d) None of these |
| iii) Cycloalkanes have same molecular formula as | | |
| a) Alkane | b) alkyne | d) all of these |
| iv) which among the following is not expected to have ring strain | | |
| a) Cyclobutane | b) cyclopropane | d) None of these |
| | | (2) |
| B) State Whether true or false: | | |
| i) Haematite is red coloured Ore of Iron. | | |
| ii) Magnetic and Non- magnetic Substances can be seperated by hand picking. | | |
| iii) Half chair form of cyclohexane is most stable | | |
| iv) Meso compounds are optically active | | |
| | | (6) |
| Q.2. Answer the following: | | |
| i) Which are different commercial forms of iron? | | |
| ii) Mention any two types of Ores with suitable examples. | | |
| iii) Define the terms - a) Flux b) Gangue | | |
| iv) What is asymmetric carbon? | | |
| v) What is locking of conformation? | | |
| vi) Draw all the structures for cis 1,2 dimethyl cyclohexane. | | |



Question Paper (Dept. Of Hindi)**(2018-19)**

| | | |
|--|--------------|---|
| अण्णासाहेब मगर महाविद्यालय, हडपसर, पुणे -28 महाविद्यालयीन अंतर्गत मूल्यांकन परीक्षा सेमिस्टर IV कक्षा - टी.वाय.बी.ए.सी.बी.सी. 2019 Pattern | |  |
| विषय का नाम- हिंदी सामान्य [G-3] | समय - 1 घंटा | पूर्णांक-20 अंक |
| सूचनाएँ : 1] सभी प्रश्न अनिवार्य हैं। 2] दाहिनी ओर लिखे अंक प्रश्नों के पूर्णांक हैं। | | |
| प्रश्न 1] निम्नलिखित प्रश्नों में से किन्हीं एक प्रश्न का उत्तर लिखिए। | | अंक -10 |
| i] 'शजल' का अर्थ बताते हुए परिभाषाएँ बताए। ii] 'दुश्चंत कुमार का साहित्यिक परिचय दीजिए ? | | |
| प्रश्न 2] निम्नलिखित किन्हीं दो अवतरणों का ससंदर्भ स्पष्टीकरण कीजिए। | | अंक -10 |
| i] कहीं तो तय था चिरागों हरेक घर के लिए कहीं चिराग मयस्सर नहीं शहर के लिए ... | | |
| ii] हो गई है पीर पर्वत सी पीर पर्वत सी पिघलनी चाहिए इस हिमालय से कोई गंगा निकलनी चाहिए ... | | |
| iii] भूख है तो सब कर ,रोटी नहीं तो क्या हुआ , आजकल दिल्ली में है जेरे बहस ये मुद्दा | | |
| iv] ये सच है कि पांवों ने बहुत कष्ट उठाए पर पांव किसी तरह राहों पे तो आए। | | |
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Question Paper (Dept. Of Chemistry)**(2018-19)**

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|--|---------------------------------------|---|
| P.D.E.A.'s ANNASHEB MAGAR MAHAVIDYALAYA, HADAPSAR, PUNE-28 INTERNAL EXAMINATION, September 2018 Class: T.Y.B.SC.(CHEMISTRY) Sub.: Chemistry paper VI Agricultural Chemistry | |  |
| Name of the Student Starting with Surname : | College Roll No. : | |
| Name & Signature of Junior Supervisor with Date : | University Seat No.: (If available) | |
| Name & Signature of Examiner : | Marks Obtained Out of 10 : | |

Time: 40 min. Total Marks: 10

N.B.: 1. All questions are compulsory
2. Figures to right indicating full marks

(A) Tick () the correct answer : (5Marks)

- 1) The ideal pH of soil for agriculture is

| | |
|---------------|----------------|
| a) 6.6 to 7.3 | b) 7.00 to 7.5 |
| c) 7.1 to 7.3 | d) 7.4 to 8.5 |
- 2) Formation of acidic soil is due to

| | |
|------------------------------------|------------------------------------|
| a) Microbial Action | b) Accumulation of organic matters |
| c) Leaching due to heavy rain fall | d) All of them |
- 3) The reclamation of acidic soil is done by adding

| | |
|-------------|--------------------|
| a) Dolomite | b) organic matters |
| c) Lime | d) All of them |
- 4) Major impurities in raw water are

| | |
|------------------------------|--------------------------------|
| a) Dissolved inorganic Salts | b) Dissolved organic compounds |
| c) All of them | d) Suspended matters |
- 5) The % of phosphorus in Single Super Phosphate is

| | |
|------------|------------|
| a) 16—18 % | b) 20—23 % |
| c) 10—15% | d) 46% |
- 6) Total number of elements required for proper growth of plants are

| | |
|-------|-------|
| a) 16 | b) 9 |
| c) 12 | d) 10 |
- 7) The growth promoting auxins are formed in plants due to

| | |
|-------|-------|
| a) Zn | b) Mg |
| c) Cu | d) Ca |
- 8) Chlorosis in plants is observed due to deficiency of

| | |
|-------|-------|
| a) K | b) P |
| c) Mg | d) Cu |
- 9) Which of following is method of application of fertilizer

| | |
|-----------------|------------------------|
| a) Broadcasting | b) Localised Placement |
| c) Foliar spray | d) All of these |
- 10) Who is the father of Green revolution

| | |
|------------------|--------------------|
| a) Pryanishnikov | b) Norman Borolage |
| c) Bhaska Save | d) P. Sainath |