

“ Sheel, Sharir, Adhyayan ”
Aundh Shikshan Mandal, Aundh



Raja Shripatrao
Bhagawantrao
Mahavidyalaya, Aundh.
(Satara)

CIE SOCRATIVE

Chemical Kinetics Test-2019

Total Questions: 10

Most Correct Answers: #6

Least Correct Answers: #7

1. Reaction in which three reactant molecule taking part are called.....
- 3/59 A bimolecular
- 16/59 B Termolecular
- 1/59 C unimolecular
- 2/59 D tetramolecular
2. half-life period of third order reaction is directly proportional to.....
- 2/59 A Initial Concentration
- 18/59 B Square of initial concentration
- 10/59 C reciprocal of initial concentration
- 7/59 D reciprocal of square of initial concentration
3. half life period for third order reaction is.....
- 8/59 A $t_{\text{half}} = 0.693/k$
- 1/59 B $t_{\text{half}} = k/0.693$
- 31/59 C $t_{\text{half}} = 3/2ka^2$
- 5/59 D $t_{\text{half}} = 2/3ka^2$
4. 3A gives product is an example of order reaction.
- 3/59 A first
- 4/59 B second
- 37/59 C third
- 1/59 D zero
5. lower the value of energy of activation is the reaction
- 4/59 A slower
- 2/59 B deadly slower
- 40/59 C faster
- 0/59 D none of these

12

6. value of third order rate constant depends upon the units.

- 0/59 A volume
43/59 B concentration
6/59 C both A and B
0/59 D Temperature

7. CGS unit of rate constant K For first order reaction is.....

- 45/59 A mol-2lit²min⁻¹
0/59 B min⁻¹
0/59 C mol²lit⁻¹min⁻¹
4/59 D dm³mol⁻²sec⁻¹

8. Iron combines with oxygen in presence of moist air is.....

- 24/59 A slow
10/59 B quite slow
12/59 C fast
0/59 D very fast

9. Increase in Concentration the rate of reaction.

- 22/59 A Increases
20/59 B decreases
3/59 C does not affect
1/59 D both A and B

10. A piece of phosphorus bursts in to flame when exposed to air isreaction.

- 36/59 A very fast
6/59 B slow
0/59 C very slow
3/59 D both A and B

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$\frac{1}{[A]^2[B]}$
(P.M.K.G)
18.7.19

Chemical Kinetics Test-2019

Total Questions: 10

Min Correct Answers: #10

Least Correct Answers: #2

1. Reaction in which two reactant molecule taking part are called.....
- 3/29 A bimolecular
- 9/29 B Termolecular
- 2/29 C unimolecular
- 3/29 D tetramolecular
2. half-life period of second order reaction is directly proportional to.....
- 0/29 A Initial Concentration
- 9/29 B Square of initial concentration
- 1/29 C reciprocal of initial concentration
- 7/29 D reciprocal of square of initial concentration
3. half life period for third order reaction is.....
- 0/29 A $t_{\text{half}} = 0.693/k$
- 0/29 B $t_{\text{half}} = k/0.693$
- 17/29 C $t_{\text{half}} = 3/2ka^2$
- 2/29 D $t_{\text{half}} = 2/3ka^2$
4. 3A gives product is an example of order reaction.
- 0/29 A first
- 0/29 B second
- 18/29 C third
- 0/29 D zero
5. higher the value of energy of activation is the reaction
- 4/29 A slower
- 0/29 B both A & C
- 14/29 C faster
- 0/29 D none of these

12

6. value of third order rate constant depends upon the units.
- 0/29 A volume
 - 11/29 B concentration
 - 1/29 C both A and B
 - 0/29 D Temperature

7. CGS unit of rate constant K For first order reaction is.....
- 8/29 A mol-2lit2min-1
 - 1/29 B min-1
 - 0/29 C mollit-1min-1
 - 2/29 D dm3mol-2sec-1

8. Iron combines with oxygen in presence of moist air is.....
- 5/29 A slow
 - 15/29 B quite slow
 - 1/29 C fast
 - 0/29 D very fast

9. Increase in Concentration the rate of reaction.
- 16/29 A increases
 - 6/29 B decreases
 - 0/29 C does not affect
 - 0/29 D both A and B

10. A piece of sodium bursts in to water when it is added in water this is reaction.
- 22/29 A very fast
 - 1/29 B slow
 - 0/29 C very slow
 - 0/29 D both A and B



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R. M. Chazatra
19.7.19


GK QUIZ BSC II

Total Questions: 50

Most Correct Answers: #38

Least Correct Answers: #4

1. WHO IS THE 'ROAD TRANSPORT AND HIGHWAYS' MINISTER ?
- 1/15 A SURESH PRABHU
- 0/15 B MANOHAR PARRIKAR
- 10/15 C NITIN GADAKARI
- 0/15 D UMA BHARTI
2. WHO IS THE AUTHOR OF 'UNHAPPY INDIA'?
- 0/15 A LALA LAJPAT RAI
- 0/15 B DINBANDHU MITRA
- 0/15 C DAYANAND SARASWATI
- 0/15 D JAWAHARLAL NEHARU
3. WHO WAS THE CREATOR OF NEWSPAPER 'BOMBAY CHRONICLE'?
- 1/15 A BHUPENDRANATH DATTA
- 1/15 B ANNIE BESANT
- 2/15 C FIROZ SHAH MEHTA
- 5/15 D B.G. TILAK
4. WHICH OF THE FOLLOWING WAS INDIA'S FIRST NEWS PAPER?
- 0/15 A THE HINDU
- 0/15 B BENGAL GAZETTE
- 7/15 C KESARI
- 3/15 D MARATHA
5. BANJARA IS THE 'FOLK DANCE' OF WHICH STATE?
- 0/15 A MAHARASHTRA
- 4/15 B GUJARAT
- 3/15 C TAMIL NADU
- 5/15 D ANDHRA PRADESH



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6. WHAT IS THE CAPITAL OF MANIPUR?

- 1/15 (A) MUMBAI
- 2/15 (B) KOHIMA
- 9/15 (C) IMPHAL
- 0/15 (D) GANDHINAGAR

7. % BY VOLUME OF NITROGEN GAS IN ATMOSPHERE IS-----?

- 1/15 (A) 68%
- 7/15 (B) 78%
- 2/15 (C) 21%
- 0/15 (D) 32%

8. WHICH OF THE FOLLOWING CITY IS KNOWN AS 'ETERNAL CITY'?


- 1/15 (A) SAN FRANSISKO
- 2/15 (B) ROME
- 0/15 (C) BELGIUM
- 8/15 (D) NEW YORK

9. AGRA CITY IS SITUATED ON RIVER-----?

- 0/15 (A) MAHANADI
- 1/15 (B) SATLUJ
- 1/15 (C) ALAKNANDA
- 10/15 (D) YAMUNA


10. SRINAGAR IS SITUATED ON WHICH RIVER?

- 1/15 (A) GOMTI
- 2/15 (B) KAVERI
- 5/15 (C) JHELUM
- 1/15 (D) TUNGBHADRA


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
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11. WHICH CITY IS KNOWN AS 'CITY OF PALACES'?
- 1/15 (A) MUMBAI
- 2/15 (B) KOLKATA
- 6/15 (C) JAIPUR
- 1/15 (D) AHMEDABAD
12. WHICH CITY IS KNOWN AS 'IRON CITY'?
- 9/15 (A) JAMSHEDPUR
- 1/15 (B) VARANASHI
- 0/15 (C) AMRITSAR
- 1/15 (D) BENGALURU
13. HIRAKUD PROJECT ON MAHANADI IS RUNNING IN WHICH STATE?
- 1/15 (A) MAHARASHTRA
- 5/15 (B) ODISHA
- 5/15 (C) MADHYA PRADESH
- 1/15 (D) WEST BENGAL
14. RAJIV GANDHI INTERNATIONAL AIRPORT IS PRESENT IN?
- 0/15 (A) AHMEDABAD
- 5/15 (B) MUMBAI
- 4/15 (C) HYDERABAD
- 3/15 (D) CHENNAI
15. NH-6 HIGH WAY IS ALSO KNOWN AS?
- 2/15 (A) KOLKATA-CHENNAI
- 2/15 (B) KOLKATA-PUNE
- 3/15 (C) KOLKATA-DHULE
- 4/15 (D) MUMBAI-AGRA


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16. WHO IS THE 'FATHER OF INDIAN CONSTITUTION'?
- 3/15 A DR. RAJENDRA PRASAD
- 1/15 B PANDIT NEHARU
- 1/15 C SARDAR VALLABH BHAI PATEL
- 6/15 D DR. B.R. AMBEDKAR
17. WHICH OF THE FOLLOWING IS THE NATIONAL AQUATIC ANIMAL?
- 3/15 A SHARK
- 2/15 B WHEL
- 6/15 C DOLPHIN
- 2/15 D CROCODILE
18. ---- IS CELEBRATED AS WORLD'S POPULATION DAY?
- 0/15 A 11 MAY
- 2/15 B 11 JULY
- 6/15 C 11 NOVEMBER
- 5/15 D 11 JUNE
19. WHICH OF THE FOLLOWING IS MOST DENSELY POPULATED STATE?
- 3/15 A MAHARASHTRA
- 5/15 B UTTAR PRADESH
- 2/15 C MADHYA PRADESH
- 1/15 D BIHAR
20. THE HEAD OFFICE OF RBI IS IN WHICH CITY?
- 7/15 A MUMBAI
- 3/15 B KOLKATA
- 1/15 C PUNE
- 1/15 D CHENNAI


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21. WHICH OF THE FOLLOWING IS THE CENTRAL BANK OF INDIA?

- 3/15 A STATE BANK OF INDIA
- 3/15 B RESERVE BANK OF INDIA
- 1/15 C BANK OF MAHARASHTRA
- 0/15 D UCO BANK

22. INDUSTRIAL FINANCE CO-OPERATION OF INDIA (IFCI) WAS ESTABLISHED IN?

- 1/15 A 1945
- 2/15 B 1949
- 3/15 C 1948
- 4/15 D 1950

23. ----- IS THE MAJOR SOURCE OF CENTRAL GOVERNMENT REVENUE?


- 1/15 A INCOME TAX
- 0/15 B CORPORATION TAX
- 1/15 C SALES TAX
- 10/15 D GOODS AND SERVICE TAX (GST)

24. SI UNIT OF VELOCITY IS?

- 5/15 A METRE PER SECOND SQUARE
- 7/15 B METRE PER SECOND
- 0/15 C CENTI METRE PER SECOND
- 0/15 D METRE CUBE

25. EVERY OBJECT CONTINUES IN THE STATE OF REST OR OF UNIFORM MOTION IN STRAIGHT LINE IF NO NET FORCE ACTS UPON IT. IT IS ALSO KNOWN AS.....?


- 6/15 A NEWTONS SECOND LAW OF MOTION
- 3/15 B NEWTONS LAW OF GRAVITATION
- 1/15 C LAW OF FRICTION
- 1/15 D LAW OF INERTIA


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26. ----- IS THE RATE OF DOING WORK?
- 10/15 (A) FORCE
 - 0/15 (B) IMPULSE
 - 2/15 (C) POWER
 - 1/15 (D) MOMENTUM
27. VISCOSITY IS THE PROPERTY OF -----?
- 9/15 (A) LIQUID
 - 3/15 (B) LIQUID AND GASES
 - 0/15 (C) SOLIDS
 - 0/15 (D) GASES
28. CONSUMPTION OF ELECTRICAL ENERGY IN HOUSE IS MEASURED IN THE UNIT-----?
- 2/15 (A) WATT HOUR
 - 1/15 (B) KILOWATT HOUR
 - 8/15 (C) MEGAWATT HOUR
 - 1/15 (D) MICRO WATT HOUR
29. GENERAL THEORY OF RELATIVITY WAS GIVEN BY-----?
- 1/15 (A) ISSAC NEWTON
 - 3/15 (B) DANIEL RUTHERFORD
 - 5/15 (C) MAX PLANCK
 - 3/15 (D) ALBERT EINSTEIN
30. ELECTRON WAS DISCOVERED BY -----?
- 0/15 (A) ALBERT EINSTEIN
 - 9/15 (B) SIR J.J. THOMSON
 - 1/15 (C) PROF. CHADWICK
 - 2/15 (D) JAMES RUTHERFORD


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- 2)
11. GRAPES ARE THE MAIN SOURCE OF-----?
- 3/15 A MALEIC ACID
- 1/15 B OXALIC ACID
- 4/15 C TARTARIC ACID
- 3/15 D CITRIC ACID
32. CARBON MONOXIDE COMBINES WITH HAEMOGLOBIN IN BLOOD TO FORM----?
- 2/15 A OXYHAEMOGLOBIN
- 6/15 B CARBOXYHAEMOGLOBIN
- 3/15 C CARBAHAEMOGLOBIN
- 1/15 D CARBONIC ACID
33. COMPOSITION OF CALCIUM OXIDE IN PORTLAND CEMENT IS -----?
- 5/15 A 62%
- 0/15 B 80%
- 5/15 C 34%
- 1/15 D 50%
34. NATURAL RUBBER IS ISOMER OF -----?
- 3/15 A ISOBUTENE
- 1/15 B ISOPROPENE
- 3/15 C ISOPRENE
- 5/15 D NEOPRENE
35. WHICH OF THE FOLLOWING IS KNOWN AS CAUSTIC SODA?
- 5/15 A SODIUM BICARBONATE
- 7/15 B SODIUM CARBONATE
- 0/15 C SODIUM HYDROXIDE
- 0/15 D SODIUM NITRATE


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36. ALLOY BRONZE IS COMBINATION OF COPPER AND -----?
- 10/15 A ZINC
- 0/15 B NICKEL
- 1/15 C ALUMINIUM
- 1/15 D TIN
37. LABORATORY EQUIPMENT ARE MANUFACTURED BY-----?
- 8/15 A SAFETY GLASS
- 0/15 B FLINT GLASS
- 3/15 C HARD GLASS
- 1/15 D PYREX GLASS
38. DNA FINGER PRINTING TECHNIQUE IS USED TO IDENTIFY A PERSON ON THE BASIS OF -----?
- 0/15 A HUMAN MIND
- 0/15 B HUMAN ORGANS
- 13/15 C GENES
- 0/15 D CHORDATA DIVISION
39. ----- ARE THE BUILDING BLOCKS OF PROTEIN?
- 4/15 A AMINO ACID
- 4/15 B VITAMIN
- 5/15 C CARBOHYDRATES
- 0/15 D FATS
40. WHAT IS THE PH OF BLOOD?
- 1/15 A 4.7
- 1/15 B 7.0
- 10/15 C 7.4
- 0/15 D 8.3



29
41. WHICH OF THE FOLLOWING BLOOD GROUP IS CALLED AS UNIVERSAL ACCEPTER?

0/15 A A

0/15 B B

10/15 C AB

3/15 D D

42. WHAT IS THE FULL FORM OF 'ISRO'?

1/15 A INDIAN SCIENTIFIC RESEARCH ORGANIZATION

0/15 B INDIAN SAFETY RESEARCH ORGANIZATION

0/15 C INDIAN SYSTEMATIC RESEARCH ORGANIZATION

11/15 D INDIAN SPACE RESEARCH ORGANIZATION

43. WHO WAS THE FIRST PERSON TO LAND ON MOON?

1/15 A YURI GAGARIN

0/15 B ALEXI LIVONOV

10/15 C NEIL ARMSTRONG

0/15 D KALPANA CHAWLA

44. WHICH OF THE FOLLOWING IS FIRST SPACECRAFT WITHOUT MAN?

2/15 A PATHFINDER

1/15 B SHENZOO

2/15 C APPLE

8/15 D ROHINI-II

45. WHICH OF THE FOLLOWING IS FIRST COMMUNICATION SATELLITE LAUNCHED BY INDIA?

9/15 A ARYABHATTA

1/15 B ROHINI

0/15 C APPLE

1/15 D INSAT-2D



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46. WHICH OF THE FOLLOWING LANGUAGE IS SPOKEN BY MOST OF THE SPEAKERS OF WORLD?

- 1/15 (A) HINDI
- 10/15 (B) ENGLISH
- 0/15 (C) SPANISH
- 0/15 (D) CHINESE

47. WHO WAS THE FIRST INDIAN GIRL TO BECOME MISS UNIVERSE?

- 1/15 (A) MISS. PRIYANKA CHOPRA
- 3/15 (B) MISS. LARA DUTTA
- 3/15 (C) MISS. SUSHMITA SEN
- 4/15 (D) MISS. AISHWARYA RAY

48. WHICH RAILWAY SYSTEM IS LARGEST IN THE WORLD?

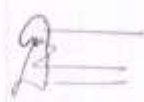
- 4/15 (A) INDIA
- 0/15 (B) AMERICA
- 1/15 (C) CHINA
- 7/15 (D) JAPAN

49. RSBM of Aundh shikshan mandal established in?

- 6/15 (A) 1992
- 0/15 (B) 1995
- 6/15 (C) 1994
- 0/15 (D) 1999

50. Natrium is also known as?

- 1/15 (A) helium
- 5/15 (B) sodium
- 5/15 (C) calcium
- 2/15 (D) helium



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Handwritten signature and date:
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