

CADET COLLEGE MOHMAND, MAMAD GAT ENTRY TEST SAMPLE PAPER FOR CLASS - XI PAPER: PHYSICS

Maximum Marks:50

| - | me: | - | |
|---|-----|---|------|
| | | | |
| | | | |

| N | ame: | | Roll | NO: |
|---------------|---|--|----------------------------------|---|
| | e#hoose the correct optio | | Subject | _Time 20 minutes (20) |
| i. | When the area of wir | e is double and length be O 4-times | ORemain same | O None |
| ij. | The unit of temperate O K-1 | OV k ¹ | OV-1k-1 | O Vk3 |
| ii. | The least count of Ve | mier Caliper is | _ | O Both a & b |
| v. | O0.01cm | O 0.001cm | O 0.1cm | |
| ·. | O Kgmsec ³ According to 2 ⁻⁴ con | O Kgm ⁻¹ sec dition of equilibrium | O Kgmsec' | O Kg m ⁻¹ sec ⁻¹ |
| | $0\sum F=0$ | $O\sum T = 0$ | $O\sum \overline{W} = 0$ | $O\sum P=0$ |
| i. | Kilowatt hour is the | | | ON |
| | OPower | OEnergy | OPotential difference | O None |
| rii. riii. | Alpha (a) particle ha ODouble positive | ONegative of the CRO coated with | ONo | O Double negative |
| ш. | The | OFilament | OScreen | O Deflecting plate |
| X. | The S.I derived unit | of radioactivity is | | 0.1-1 |
| | OBecquerel (Bq) | Oe V | OWattsec* | O 1m.1 |
| | The unit of electric f | | ONC | O NC ² |
| | ON C-1 | ON C3 | citor, then capacitance of ca | |
| i. | Olncreased | ODecreased | ORemain same | OAII |
| ii. | | verts electrical energy in | to mechanical energy is call | icd |
| | OA. motor | OA.C generator | OD.C generator | O Transformer |
| iii. | O m _m >m _E | O M _m =m _E | O m _E >m _m | O None |
| iv. | The density of merci | O2000kgm ³ | O6000kgm ⁻¹ | O 136000kgm ⁻³ |
| v. | The period of the per OMass | OLength | OEnergy | O Amplitude |
| vi. | If length of the pend | ulum is increased 4 time | s then its time period will_ | |
| • • • | OBecome half | O Doubled | OOne fourth | O Increase 4time |
| vii. | Which of the follow | ing is mechanical | wave. | 10E00000 000000000000000000000000000000 |
| | ORadio | OTV | O Sound | O Ultraviolet |
| viii. | We cannot hear sour | nd produced by pendulu | m because. | |
| | O It cannot produce | | O Its frequency is ve | ry nigh |
| | O It has frequency | less than 20HZ | ONone | |
| ix. | | ens is 20cm than its pow | OSD | O 2D |
| | O20D | O 10D | OSD | 020 |
| x. | Both potential differ OSame | ODifferent | units. ONo | O None |
| | S | ECTION-B | Ti | me 30: Minutes |
| | | | _ | |
| QZ | ; Attempt any six | (6)questions. | | (30) |
| | | is 1kg is raised through | height 5m in 10s. Find the | power? |
| ii | | | minous blub parallel by rr | leans of concave mirror? |
| iii | | s more clastic steel or r | | |
| iv | . How bats are abl | e to fly at night time w | thout colliding with each | other. |
| | | | a high voltage wire witho | |
| v | | | is volume of water in cm | andm"? |
| vii | Write any five pr | roperties of Alpha (a) P | tays? | |



CADET COLLEGE MOHMAND, MAMAD GAT ENTRY TEST SAMPLE PAPER FOR CLASS - XI

PAPER: BIOLOGY

| | mum Marks: 50 | | | Time: 50 minutes Roll No: | | |
|-------------|---|--|--|---------------------------------|-----------|--|
| | e: | | | | | |
| QI; | Fill in the blanks. | Subject_ | Tim | (05) | | |
| | | | | | | |
| į. | Duplication of DNA, | usually prior to cell di tion in which both par | vision is called | -W-4 | | |
| ii. iii. | i ne symbiotic interac | tion in which both par | incipants benefit is o | y permeable membrane. | | |
| iv. | is the | e process by which off | spring are produced | without egg fertilization. | | |
| ٧, | Cells in the testes the | t produce testosterone | is called | | | |
| Q2; | Choose the correct | option. | The same of the sa | (15) | | |
| 9 | A group of individuals, I | elonging to the same s | pecies living in the | same place, at the same time is | | |
| | O Community | O Population O Eco | osystem |) Niche | | |
| | The process of eating an | d being eaten is called. | | | | |
| | O Food weh | O Ecology | O Food chain | Conservation | | |
| 1. | The germination, in whi | O Us nowed | O Budding | Dinan Gerian | | |
| v. | O Epigeal germination Receptors are the organi | in the body, which rec | rive C | S Billing Passon | | |
| | O Effectors | O Brain | O Stimuli | O CNS | | |
| | is the re | emoval of extra water t | brough small pores | at the tips of the leaves. | | |
| | O Thermoregulation | Guttation | O Transpiration | O Homeostasis | | |
| i. | Which mosquito can tru | nsmit plasmodium in h | uman beings? | DAII | | |
| | O Anopheles O Cule Slime molds belong to p | du tom | des | JAII | | |
| ii. | O Protozua | O Trucheophyta | O Mycota | O Chordata | | |
| viii. | Which is a molecule con | staining DNA from two | different organism | | | |
| 300035 | O Vector DNA | O DNA clone O Pla | ismid DNA | Recombinant DNA | | |
| x. | | trates and nitrities are r | educed to nitrogen g | as by bacteria is | | |
| | | | | on O Nitrification | | |
| N. | Ouring microscopy two O Convex | O Concave | O Convex & con | Cave O All | | |
| xi. | The muscles which are | instraited & spindle sh | | | | |
| *** | O Cardiac muscles | O Smooth muscles | O Skeletal musc | es O All | | |
| xii | Crossing over occurs be | Iween | | | | |
| | O Chromatids | O Sister chromatids | O Daughter chro | matids O Non homologous ch | romatids | |
| xiii. | The addition of single cl | tromosome in diploid | et is called | | | |
| 4 | O Nullisomy | OTrisomy | O Tetrasomy | O Triploidy | | |
| xiv. | O Nullisomy Psilocybin is taken form O Cactus | O Mariluana | O Mushroom | Ponny | | |
| cv. | O Cactus In a dihybrid cross the g O 3:1 | enotypically ratio of gr | een & round seed is | о горру 1 | | |
| | O 3:1 | 02:1 | 01:1 | O 4:1 | | |
| | | | | | | |
| | SEC | ION – B | | Time 30: Minutes | | |
| | 19/14/04 PT 88 09/05 NO NOTICE | | | 100000 | | |
| Q3; | Attempt any six (6) | questions. | | (30) | | |
| i. | Draw neat and labele | d diagram of human re | spiratory system. | | | |
| ii. | Differentiate between | n producers and decom | posers. | | | |
| iii. | Draw the checker bo | ard of Mendel law of i | ndependent assortm | ent. | | |
| is. | List down the endang | gered species of Pakist | an and what are the | reasons behind their population | decrease? | |
| vi vi | Justify the way nerve | ous system coordinate | complex movement | of hands to write alphabets. | | |
| vii | | st suitable plant for Mucose concentration is | | 11 | | |
| *** | what happened if gr | acose concentration is | mgn in the blood? | | | |



CADET COLLEGE MOHMAND, MAMAD GAT ENTRY TEST SAMPLE PAPER FOR CLASS – XI PAPER: CHEMISTRY

Maximum Marks: 50 Time: 50 minutes

| Nat | me: Roll No: | | oll No: | |
|-------|--|--|---------------------------|-------------------------------------|
| | Fic # | | Subject | Time 20 minutes |
| Q1; | Choose the correc | t option. | | (20) |
| i. | A liquid boils when its | vapour pressure becom | es equal to | |
| *** | O 760cm of Hg | O I pascal | O 0.1 atm | O 101,325 kilo pascal |
| ii. | Among the alkali meta | ils, the metals with the h | ighest lonization potenti | al is |
| | O Na | OLi | ORb | O Cs |
| iii. | Tendency of a metal to | lose electron is | | |
| | O Electronegativity | O Electropositivity | O Electrolysis | O None |
| 11. | The highest energy sta | | | 0.00 |
| | O Solid | O Liquid | O Gas | O Plasma |
| v. | When the total numb | er of moles of reactant | is equal to the total n | number of moles of product in a |
| | | ation, the unit of Ke is | O Mole dm ⁻³ | O No units |
| er. | O Moles dm' | O Mole dm | O Mole um | O 140 mins |
| VI. | Which one of the follo | O NaHCO | O Cu(OH)CI | O KHSO |
| vii | O (NH ₄) H ₂ PO ₄ | g is not an organic comp | | O Milion |
| | O Drugs | O CO | O Dyes | O Paints |
| viii. | | g is the most abundant n | | |
| | O Ethane | O Propane | O Methane | O None |
| ix. | R-O-H is the general I | | | |
| 11.63 | O Ether | O Alcohol | O Aldehydes | O Ketones |
| 1 | Alkynes undergo which | h type of reactions acros | s the triple bond? | |
| | O Substitution | O Addition | O Elimination | O None |
| Ni. | | yer of atmosphere by min | 185.7 | (A.L.) |
| | O Troposphere | O Thermosphere | O Stratusphere | O Mesosphere |
| XII. | | sed by the increase of _ | O H | ON: |
| | O CO: | O O: og can be broken down in | | O N. |
| MIII. | | O Oxygen | O Sulphur | O Iron filling |
| | O Ammonia Which one is oligosact | | O Guipana | S man manage |
| xiv. | O Glucose | O Fructuse | O Sucrose | O Galactose |
| M. | Electron in its ground | | | |
| | O Spin | O Revolve | O Radiate energy | O Reside in or out |
| vvi. | Which one is the lighte | :51? | | |
| | O A hydrogen atom | O An alpha particle | O Proton | O An electron |
| xvii | The polymer of amino | acid is | 0200000 | 222000 000 |
| | O Vitamin | O Proteins | O Lipids | O Carbohydrates |
| wiii. | | wing is secondary pollut | ants? | ONG |
| | O Carbon dioxide | O Acid rain | O SO: | O NO ₂ |
| vis. | | would have the largest | O H | O He |
| | O Na | ON | On | One |
| 17. | Shielding effect is due | O Proton | O Proton & neutron | O Electron |
| | O Neutron | OPIOIO | O Tromas to incurren | |
| | SEC | TION - II | , Tin | ne 30: Minutes |
| Q2; | Carvantana and Carlo San C | | (30) | |
| į. | Properties and the properties of the party | ent of law of Mass Actio | n. | 9.50 7.11 |
| | b) Define reversible | and irreversible reaction | ns with example. | |
| ii | Give reasons why C | 1; has non polur covaler | t bonds while HCI has p | solar covalent bonds? |
| iii | Culculate the nH an | d POH of 0.001 M HNC | Da sulution? | |
| IV. | Why fire starts but | ming on the surface of | water, when a piece of | sodium metals is put into it? Write |
| | chemical reaction. | | aba bardantan | |
| V. | | ne sources and uses of ca onfiguration. Write the e | | of the following |
| ** | a) Ma | b) Co. | o) Fo | of the following. |



CADET COLLEGE MOHMAND, MAMAD GAT

ENTRY TEST SAMPLE PAPER FOR CLASS - XI PAPER: ENGLISH

MaximumMarks:50

Time: 50Minutes

| me: | | Roll No: | | | | |
|-------|--|--|-----|--|--|--|
| QI; | Do as directed. | (1 | 10) | | | |
| 1. | "Where do you live", asked the stranger. | (change the narration) | | | | |
| н | Life is simple from worries free. | (arrange the sentence) | | | | |
| Hi. | My teacher often says to me, 'f you don't work hard, He draws his parents for his educational exper | you will fail".(change the narration) uses. (put the preposition) | | | | |
| 10000 | These news are true. | (correct the sentence) | | | | |
| | He insisted going there | (add preposition) | | | | |
| ** | the sections into future perfect continuous tense) | | | | | |
| vii. | She is an European. | (correct the sentence) | | | | |
| vin. | Do you know his father? | (change the voice) | | | | |
| 1 | Ali read the newspaper. | (change into interrogative) | | | | |
| Q2: | Translate into English. | (05) | | | | |
| | ا، جو نبی وہ آتا تو ک س پر ٹوٹ پڑ نے نہے . ا. عبا بو اور بو ہا ر ہو نے ہیں ؟ | ۱. وہ اپنے فو ل کا سچا ہے . ۲. لس نے مجھ سے کھا تا ہکو ہا . د. استاد نے سعل بڑ کا ہا . | | | | |
| | Use any five (5) pair of words in your own senten | (05) | | | | |
| Q3; | a not Deal | iii, Loose, Lose | | | | |
| | I, Califord, Carron | vi. Virtual, Virtuous | | | | |
| ~ | TO THE PERSON OF | (05) | | | | |
| 04: | Translate the given sentences into Urdu. | | | | | |
| 1. | Labore is an ancient and historical city. | | | | | |
| 11. | Signs of anxiety disappeared from his face. | | | | | |
| iii. | His mausoleum also lies in this city. | | | | | |
| iv. | Green grass grew every season on the banks of the stream. | | | | | |
| v. | The consumption of oil industry and agriculture car | not be curtailed. | | | | |
| Q5; | Write a letter to your friend telling him "why I want to Join Cadet College Mamad Gat?" (10) | | | | | |
| Q6; | Write an essay (200-250 words) on Environme | Write an essay (200-250 words) on Environmental Pollution, highlighting its causes | | | | |
| 40. | effects and suggestions to control pollution. | (1°) | | | | |