



**JKG INTERNATIONAL SCHOOL, VIJAY NAGAR  
HALF YEARLY EXAMINATION-(2019-2020)**



**CLASS VIII- SCIENCE- SAMPLE PAPER**

**TIME-3HOURS**

**M.M: 80**

**General Instructions-**

- The Question Paper Compromise Of Three Sections A , B And C. You Are To Attempt All The Sections
- All Questions Are Compulsory
- Internal Choice Is Given In All Sections A,B And C
- The Question Paper Is Consists Of 36 Questions Into Three Sections A,B And C Section A Comprises Of 10 Multiple Choice Questions Of 1 Mark Each 5 Very Short Answer Type Questions Of 1 Mark Each.
- Section A Comprises 10 Short Answer Type Questions Of 3 Mark Each Answer Section C Comprises Of 6 Long Answer Type Questions Of 5 Marks Each.
- Question no 36 is a general awareness question
- Use Of Calculator Is Not Permitted.

**Section A**

1} Chlamydomonas Belongs To A Group Called

A} Bacteria    B} Viruses    C} Algae    D} Fungi

2} The Microbes That Helps In Making Of Idli And Dosa Are .

A} Bacteria    B} Yeast    C} Viruses    D} Algae

3} Which Of The Following Is The Most Reactive Metal .

A} Iron    B} Zinc    C} Copper    D} Potassium

4} Rust Is A Formed When Iron Combines With

A}Nitrogen    B} Hydrogen    C} Moist Air    D} Ozone

5} The Fuel Used In Wick Stoves To Cook Food Is

A} Petroleum    B} Kerosene    C} Diesel    D} Paraffin Wax

6} Which Of The Following Is A Clean Fuel .

A} Coke    B} Petroleum    C} Cng    D} Kerosene

7} A Group Of Similar Cells Performing A Specific Function Join Together To Form A/An

A} Organ    B} Tissue    C} Organ System    D} Organism Generals

8} The Male Reproductive System In Humans Have                      Testes

A} 2            B} 3            C} 4            D} 5

9} The Ray Of Light Which Is Sent Back After Reflection By The Mirror Is Called

A} Incident Ray    B} Normal Ray    C} Reflected Ray    D} Light Ray

10} Marine Plants And Animals Are Mostly Affected By

A} Global Warming    B} Spills    C} Air Pollution    D} Floods

Or

Which Is Not A Cleaner Source Of Energy

A} Fossil Fuels    B} Hydro Electricity    C} Solar Energy    D} Wind Energy

Directions (Q.Nos 11 To 15) In The Following Questions , A Statement Of Assertion Is Followed By A Statement Of Reason . Mark The Correct Choice As

- (a) If Both Assertion And Reason Are True And Reason Is The Correct Explanation Of Assertion.
- (b) If Both Assertion And Reason Are True , But Reason Is Not The Correct Explanation Of Assertion.
- (c) If Assertion Is True , But Reason Is False.

(D) If Reason Is True , But Assertion Is False.

(E) If Both Assertion And Reason Are False.

Q11 Assertion -Metal Alloys Are Used For Making Bells And Strings Of Musical Instruments.

Reason- Metal Alloys Are Generally Sonorous In Nature.

Q12 Assertion-Regeneration Is Considered As A Type Of Asexual Reproduction.

Reason-In Regeneration , Parent Organism Divides Into Many Identical Daughter Organisms At The Same Time.

Or

Assertion- Pollination Occurs In Both Plants And Animals.

Reason-It Leads To Fusion Of Gametes.

Q13 assertion- Fossils Are Formed Layer By Layer In A Sequence.

Reason-The Deepest Layers Generally Contain The Newest Fossils ,As Compared To The Surface Layers.

Q14 Assertion-A Person Can See Nearby Objects But Cannot See Distant Objects Distinctly .

Reason –In A Myopic Eye , The Image Of A Distant Objects Is Formed In Front Of The Retina Itself.

Q15 Assertion – The Rain Water Containing Large Amount Of Dissolved Acids .

Reason- Air Pollution Causes Global Warming.

Q16 What Is Immunity?

Q17 What Is The Unit For Measuring The Size Of A Cell?

Q18 Name The Female Sex Hormone?

Or

What Is Fertilization Inside the Body Of Female Called?

Q19 What Causes Acid Rain?

Q-20 What Is the Near Point Of Human Eye. “ **Or**”

What Is the Far Point Of Human Eye

### **SECTION-B**

Q-21 A} Why Does Curd Set Faster In Summer than In Winters.

B} Explain The Formation Of Curd From Milk

Q-22 With The Help Of Activity To Show That Metals Reacts With Oxygen To Form Basic Oxides

Q-23 A} Why Is Petroleum Called Black Gold ?

B} Sun Light And Air Are Inexhaustible Natural Resources . Comment

Q-24 A} If You're Shown Two Slides-One Of A Plant Cell and another Of an animal Cell. How will You distinguish them?

B} Why are chromosomes called hereditary vehicles .

Q-25 Draw a structure Of typical bacterium {Prokaryote}

Q-26 A} Define foetus. After How Many Weeks Of Development Is A Human Embryo Said To Become A foetus.

B} What Are Viviparous Animals ? Name Any Two Viviparous Animals. “**Or**”

A} Why Is The Larva Of Frog Not Same As Adult Frog?

B} Explain The Lifecycle Of Frog ?

Q-27 With The Help Of Diagram Show The Asexual Reproduction In Hydra And Amoeba ?

Q-28 Explain The Working Of Human Eye With The Help Of Flow Chart?

Q-29 Write Damaging Effect And Causes Of Water Pollution On River Ganga ?

Q-30 A} A Lot Of Dry Leaves Are Collected In A School Garden And Are Burnt Every Day .Do You Think That It Is Right To Do So ? If Not What Should Be Done To Dispose Of The Dry Leaves

B} Discuss Global Warming And Its Harmful Effects .

### Section-C

Q31 What Is Vaccine ?How Does It Works ?Why Are The Children Vaccinated?

Q32 (A) What Happens When The Following Metals Reacts With Oxygen {Give Chemical Equation}?

A} Carbon B Phosphores C Sulphur

B} Could We Store Lemon Pickle In An Aluminium Container ?

Q33 A}Why Do Different Types Of Coal Have Different Composition?

B} Suggest Some Method To Reduce The Lpg Consumption At Home

Or

A} Why Is Cng Preferred Over Petrol Or Diesel

B} Why Should We Switch Off The Engine Of Vehicles While Waiting At Traffic Light?

Q34 (A) Write A Difference Between Prokaryotic And Eukaryotic Cells?

(B)Why Do Plants Contain Cell Walls But Animal Cells Do Not?

Q-35 What Is The Functions Of The Following In Human Eye?

A} Selera B} Cornea C} Iris D} Choroid E} Retina

### General Awareness

Q36 A} What Is The Speed Of Light In Vacuum

B} At What Temperature Air Becomes Liquid

C} One Is Bigger Mouse Sperm Or Elephant Sperm

D} Define Optics

E} Name The Element Which Occurs In Earth Crust



