

## ***Syllabus for*** **ODISHA SECONDARY SCHOOL TEACHER ELIGIBILITY TEST** **(OSSTET)**

The Odisha Secondary School Teacher Eligibility test shall be conducted once in a year or as decided by Government according to need.

- 1. The Odisha Secondary School Teacher Eligibility Test shall be conducted for the following categories of teachers. They are required to appear the test as indicated below:**

### **Category – I (Paper- I)**

- a) T.G science (PCM/ CBZ)
- b) T.G Arts
- c) Hindi Teacher
- d) Classical Teacher (Sanskrit)
- e) Urdu Teacher
- f) Telugu Teacher

(The candidates under this category shall appear the test in paper – I)

### **Category – II (Paper-II)**

- a) PET

(The candidates under this category shall appear the test in Paper-II)

## **2. Applicability**

OSSTET is applicable to all candidates who poses requisite academic and training qualification with requisite percentage of marks and to all candidates pursuing the final year of the teacher training courses before the date of publication of advertisement for conducting OSSTET.

## **3. Eligibility**

Persons having the required educational and training qualification as desired for different categories of post must have the basic qualification of Odia as MIL up to HSC level or higher examination or have passed Odia as a subject in specific examination conducted by BSE, Odisha of HSC standard or have passed HSC examination of BSE, Odisha in Odia medium with MIL other than Odia.

## **4. Syllabus :**

The detailed syllabus structure for different categories of posts has been indicated below:

## SYLLABUS STRUCTURE

*Paper – I (for posts under Category – I)*

Section	Subject Area	No. of Questions	Marks allotted	Eligible category of posts	Distribution of marks
I	Language – I MIL (Odia) Compulsory	20	20	Compulsory for all category of posts	20
II	Language – II (English) Compulsory	20	20	Compulsory for all category of posts	20
III	Mathematics and Science	60	60	For TG Science PCM / CBZ	For PCM Group Subjects Physics : 20 Chemistry : 20 Mathematics : 20 For CBZ Group Subjects Chemistry : 20 Botany : 20 Zoology : 20
	Social Studies	60	60	For TG Arts	For TGT Arts History and Political Science : 15 Geography and Economics : 15 English : 30 Or History and Political Science : 15 Geography and Economics : 15 Odia : 30
	Hindi / Sanskrit / Telugu / Urdu	60	60	For Hindi, Classical (Sanskrit), Telugu and Urdu Teacher	Hindi : 60 / Classical Teacher (Sanskrit) : 60 / Telugu : 60 / Urdu / 60
IV	Child Development, Pedagogy, School Management and Evaluation (Compulsory)	50	50	Compulsory for all category of posts	50

**Paper – II (For Posts under Category-II)**  
(For PET Only)

Section	Subject Area	No. of Questions	Marks Allotted
I	Language – I MIL (Odia)	20	20
II	Language – II (English)	20	20
III	Contents of C.P.Ed. and B.P.Ed. Course	60	60
IV	Child Development, Pedagogy, School Management and Evaluation	50	50

**4. Examination**

- i. There shall be two papers of the OSSTET viz. Paper-I and paper-II as mentioned above
  - a) Persons having requisite academic and training qualification as per category-I have to appear in paper-I of the examination.
  - b) Persons having requisite academic and training qualification as per category-II have to appear in paper-II of the examination.
- ii. The duration of the test in each paper shall be 2½ hours. The total mark of the test is 150 for both Paper-I and Paper-II.
- iii. All questions will be Multiple Choice Question (MCQ), each carrying one mark with four alternatives out of which one answer is correct.
- iv. There shall be four sections in both paper-I and paper-II.
- v. The language –I i.e. MIL (Odia) and language-II i.e. English shall be compulsory for all categories of posts in both paper-I and paper-II.
- vi. In section III – the questions in Science subject (PCM / CBZ) shall be in English. The questions in Arts subjects (Social studies) shall be in English. The questions in subject like Hindi / Classical (Sanskrit / Telugu / Urdu) shall be in respective languages.
- vii. In section IV – the question in Child Development, Pedagogy, School Management and Evaluation shall be in English and compulsory for both the category in both the papers.
- viii. There shall be no negative marking.

## DETAILED SYLLABUS FOR CATEGORY-I APPLICANTS

### Paper – I Section – I (20 Marks)

#### ପ୍ରଥମ ଭାଷା (Language-I : MIL - ODIA)

ଏହି ପାଠ୍ୟକ୍ରମରେ ପୂର୍ଣ୍ଣସଂଖ୍ୟା ୨୦ ଏବଂ ଏଥିପାଇଁ ୨୦ଟି ପ୍ରଶ୍ନ ରହିବ ।

ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ମୂଲ୍ୟ - ୧ ନମ୍ବର । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର କ୍ରମସଂଖ୍ୟା କେବଳ ୧, ୩, ୪ କ୍ରମରେ ପ୍ରତି ପ୍ରଶ୍ନ ସହ ଝରିଟି ସଂଭାବ୍ୟ ଉତ୍ତର ଦିଆଯାଇଥିବ, ତା'ମଧ୍ୟରୁ ସବୁଠାରୁ ଉପଯୁକ୍ତ ଉତ୍ତରକୁ ବାଛିବାକୁ ହେବ ।

ନିମ୍ନ ପ୍ରଦତ୍ତ ବିଷୟମାନଙ୍କରୁ ପ୍ରଶ୍ନ ପ୍ରସ୍ତୁତ କରାଯିବ ।

୧. ଅବବୋଧ ପରୀକ୍ଷଣ : ପ୍ରାୟ ୧୫୦ ଶବ୍ଦ ବିଶିଷ୍ଟ ଏକ ଗଦ୍ୟ ଅନୁଚ୍ଛେଦ ପ୍ରଦାନ କରାଯାଇ, ତା'ର ଆଧାରରେ ୫ଟି ପ୍ରଶ୍ନ କରାଯିବ । ପ୍ରତିପ୍ରଶ୍ନର ୪(ଝରି)ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉତ୍ତର ପ୍ରଦତ୍ତ ହୋଇଥିବ । ପରୀକ୍ଷାର୍ଥୀ ତା'ଉଚିତରୁ ସବୁଠାରୁ ଉପଯୁକ୍ତ ଉତ୍ତରଟିକୁ ବାଛିବାକୁ ହେବ । ପ୍ରତି ଉପଯୁକ୍ତ ଉତ୍ତର ପାଇଁ ୧ ନମ୍ବର ।
୨. ପଦ ନିର୍ଣ୍ଣୟ : ଗୋଟିଏ ନିର୍ଦ୍ଦିଷ୍ଟ ବାକ୍ୟ ଦିଆଯାଇ ତହିଁରୁ ଗୋଟିଏ ପଦକୁ ରେଖାଙ୍କିତ କରି ସେହି ପଦଟିକୁ ଚିହ୍ନିକରି ପାଇଁ ପ୍ରଶ୍ନକରାଯିବ । ଏଥିପାଇଁ ଝରିଟି ସଂଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ; ପରୀକ୍ଷାର୍ଥୀ ଠିକ୍ ଉତ୍ତରଟିକୁ ବାଛିବେ ।  
ଏହି ପରି ବିଶେଷ୍ୟ / ସର୍ବନାମ / ବିଶେଷଣ / ଅବ୍ୟୟ / କ୍ରିୟାପଦ ଇତ୍ୟାଦି ୫ ପ୍ରକାର ମଧ୍ୟରୁ ୨ ପ୍ରକାରର ୨ଟିକୁ ଚିହ୍ନିକିବାକୁ ହେବ । ଏଥିପାଇଁ ଭିନ୍ନ ଭିନ୍ନ ଦୁଇଟି ବାକ୍ୟ ମାଧ୍ୟମରେ ଦୁଇଟି ପ୍ରଶ୍ନ କରାଯିବ ।
୩. ବାକ୍ୟ ପରିଚିତି : ସରଳ, ଯୌଗିକ, ଓ କଟିକ ବାଖ୍ୟ କିମ୍ବା ଦୁଇପ୍ରକାର ବାକ୍ୟର ମିଶ୍ଟରୂପ ଭିତରୁ ଯେକୌଣସି ବାକ୍ୟଟି ପ୍ରଶ୍ନରେ ଦେଇ ତାହାର ପ୍ରକାର ଚିହ୍ନିକିବାକୁ କୁହାଯିବ । ସଂଭାବନା ସ୍ୱରୂପ ଝରିପ୍ରକାର ଉତ୍ତର ଦିଆଯିବ, ତା'ମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ୍ ଉତ୍ତରଟିକୁ ବାଛିବେ ।
୪. ଶବ୍ଦ / ଷଡ୍ ବିଧି : ୨ଟି ମଧ୍ୟରୁ ଗୋଟିଏ ଆଧାରରେ ପ୍ରଶ୍ନ ପ୍ରସ୍ତୁତ କରି ୪ଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦେଇ ଗୋଟିଏ ବାଛିବାକୁ କୁହାଯିବ ।
୫. ସାଧାରଣ ଅଶୁଦ୍ଧି : ଶବ୍ଦ ଓ ବାକ୍ୟ ପ୍ରତ୍ୟେକରୁ ଗୋଟିଏ ଲେଖା ପ୍ରଶ୍ନ ଦିଆଯାଇ ସେଥିରୁ ଠିକ୍ ଉତ୍ତରଟି ବାଛିବାକୁ କୁହାଯିବ ।
୬. ରୂପି : ୨ଟି ପ୍ରଶ୍ନ ଦିଆଯାଇ ପ୍ରତ୍ୟେକର ଝରିଟି ସମ୍ଭାବ୍ୟ ଅର୍ଥ ଦିଆଯିବ ଓ ଠିକ୍ ଉତ୍ତର ବାଛିବାକୁ ନିର୍ଦ୍ଦେଶ ରହିବ ।
୭. ଅଳଙ୍କାର : ଅନୁପ୍ରାସ, ଉପମା, ଉଚ୍ଚପ୍ରେକ୍ଷା, ରୂପକ, ଶ୍ଳେଷ - ୫ଟି ଅଳଙ୍କାର ମଧ୍ୟରୁ ୨ଟି ସ୍ୱତନ୍ତ୍ର ଉଦ୍ଦୃଷ୍ଟି ଦିଆଯାଇ ଅଳଙ୍କାର ଚିହ୍ନିକିବାକୁ ପ୍ରଶ୍ନକରାଯିବା ସମ୍ଭାବ୍ୟ ଝରିଟି ଉତ୍ତରରୁ ଗୋଟିଏ ବାଛିବାକୁ ବ୍ୟବସ୍ଥା କରାଯିବ ।
୮. କୃଦନ୍ତ : ଗୋଟିଏ କୃଦନ୍ତ ନିଷ୍ପନ୍ନ ପଦର ଗଠନ କିମ୍ବା ପ୍ରତ୍ୟେୟ ଚିହ୍ନିକିବାକୁ ପ୍ରଶ୍ନକରାଯିବ । ୪ଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯାଇ ଠିକ୍ ଉତ୍ତରଟି ବାଛିବାକୁ ନିର୍ଦ୍ଦେଶ ରହିବ ।

୯. ଚର୍ଚ୍ଚିତ : ଗୋଟିଏ ଚର୍ଚ୍ଚିତ ନିଷ୍ପନ୍ନ ପଦ ଦିଆଯାଇ ପ୍ରତ୍ୟେକ ନିର୍ଣ୍ଣୟ କିମ୍ବା ଋଚିତ ଭିନ୍ନଭିନ୍ନ ଶବ୍ଦ ମଧ୍ୟରୁ ଚର୍ଚ୍ଚିତ ନିଷ୍ପନ୍ନ ଠିକ୍ ଶବ୍ଦଟିଏ ରଖି ତାକୁ ଚିହ୍ନାଇବାକୁ କୁହାଯିବ ।
୧୦. ସମାସ : ତତ୍ପୁରୁଷ, କର୍ମଧାରୟ, ବହୁବ୍ରୀହି, ଦ୍ବିଗୁ, ଦ୍ବନ୍ଦ୍ବ, ଅବ୍ୟୟୀଭାବ ସମାସ ମଧ୍ୟରୁ ୨ଟି ପ୍ରଶ୍ନ କରାଯାଇ ସମାସ ଚିହ୍ନାଇବାକୁ କିମ୍ବା ବ୍ୟାସ ବାକ୍ୟ ଦିଆଯାଇ ସମାସ ନିଷ୍ପନ୍ନ ପଦ ନିର୍ଣ୍ଣୟ କରିବାକୁ ଦିଆଯିବ । ଏଥିପାଇଁ ପ୍ରତିଟିର ୪ଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ପ୍ରଦାନ କରି ଠିକ୍ ଠିକ୍ ବାଛିବାକୁ ନିର୍ଦ୍ଦେଶ ରହିବ ।
୧୧. ବିଭକ୍ତି : ବାକ୍ୟଟିଏ ଦିଆଯାଇ ସେଥିରୁ ରେଖାଙ୍କିତ ପଦର ବିଭକ୍ତି ଚିହ୍ନାଇବାକୁ କୁହାଯିବ ଏବଂ ଏଥିପାଇଁ ୪ଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯାଇଥିବ ।

## Section II English - 20 Marks

### 1. Comprehension:

- |           |   |          |
|-----------|---|----------|
| <b>a)</b> | From an unseen passage in about 100 words | 05 marks |
| <b>b)</b> | From a Poem                               | 05 marks |
| <b>c)</b> | Grammar and Usage                         | 07 marks |
| <b>d)</b> | Speaking (commonly mispronounced words)   | 03 marks |

*Testing of reading comprehension of an unseen passage through:*

A.

1. Global questions (Skimming to get the gist)
2. Factual questions (scanning to locate specific information)
3. Referential questions (What / Who does 'a pronoun' stand for in the given passage)
4. Inferential questions – draw inference based on the context

B.

1. Vocabulary – antonyms, synonyms
2. Language usage

*Testing reading comprehension of a poem through :*

1. Global question
2. Factual questions
3. Vocabulary in the text – antonym, synonym, meaning as conveyed in the text
4. Inferential questions
5. Appreciation questions on rhyming etc.

*Testing of Grammar and Usage in the following areas :*

1. Prepositions
2. Direct and indirect speech
3. Passives

4. Tense
5. Identification of error in a sentence
6. Phrasal Verbs
7. Clause Patterns
8. Punctuations
9. Types of sentences
10. Spelling
11. Agreement of verbs with subjects

**Section III**  
**TG Science : (PCM / CBZ)**

**PCM :** This section shall carry the questions from Physics, Chemistry and Mathematics subjects with equal proportion of marks:

## **PHYSICS SYLLABUS**

### **Unit – 1      Motion**

**03 Marks**

Newton's laws of motion, Kinematic Equations of motion with acceleration, Graphical representation of Kinematic Equations of motion, Relative velocity and relative acceleration, Work Energy and Power, Conservation of energy, Collision problem and Conservation of linear momentum, Forces of Nature, Frictional force.

Circular motion Rotational Kinematics, Conservation of Angular momentum, Moment of Inertia.

Motion under Gravity, projectile motion.

Simple harmonic motion and Kinematics of Simple Harmonic Motion, Simple Pendulum.

### **Unit – 2      Gravitation**

**02 Marks**

Kepler's law of planetary motion, Newton's law of gravitation, Acceleration due to gravity. Gravitational field and potential, Escape velocity and Satellite motion, Geo-stationary Satellites.

### **Unit – 3      Properties of Matter**

**03 Marks**

Inter-atomic and intermolecular force, Elasticity, Stress, Strain and Hook's law, Elastic module.

Kinetic theory of gases, concept of heat, pressure and temperature, specific heat, law of equi-partition of energy, Universal Gas laws, Measurement of pressure.

Surface tension, surface energy, angle of contact, excess pressure, capillarity, viscosity, Poiseuille's law, Stoke's Law, Bernoulli's Equation of fluid motion.

Hydrostatics, Buoyancy, Archimedes Principle, laws of flotation.

#### **Unit – 4      Sound**

**02 Marks**

Waves, progressive and stationary waves, mechanical waves, equation of a progressive wave, transverse vibration of a string, speed of sound waves, Newton's formula, Superposition of sound waves, Beats, Echo, Doppler effect, Musical sound and its characteristics.

#### **Unit – 5      Optics**

**03 Marks**

Laws of Reflection and Refraction in transparent medium, total internal reflection, Refraction through prism, Dispersion, Reflection and image formation in plane and spherical mirrors, equation for object and image distances for spherical mirrors, image formation in convex and concave lenses, lens equation for convex and concave lenses, power of single and combination of two lenses. Image formation in the eye and defects of vision, microscope and astronomical telescope.

Wave optics, Huygen's principle, Coherent sources and interference, Young's double slit, Bi-prism, Newton's ring experiments, Diffraction of light through single slit, and plane transmission grating.

#### **Unit – 6      Electrostatics**

**02 Marks**

Coulomb's law and unit of charge, force on a charge due to discrete and continuous charge distributions, lines of force and electric field, field due to a point charge and a dipole, electrostatic potential, potential due to a point charge and an electric dipole, electric potential energy of a group of point charges, electric flux, Gauss law and applications. Capacitor, capacitance of parallel plate and spherical capacitors, combination of capacitors in series and parallel.



**Unit – 7      Current Electricity****03 Marks**

Ohm's law, Current and Voltage measurements, Resistance and Resistivity, Combination of resistances in series and parallel, electromotive force, grouping of resistors and cells, Kirchhoff's laws and their applications.

Electric energy and power, heating effect of electric current, Faraday's law of electrolysis.

Magnetic field and magnetic induction, Biot-Savart law, magnetic field due to a straight conductor, a circular coil and a solenoid carrying current. Ampere's circuital law, Lorentz force on a charge particle in uniform electric and magnetic fields. Force between two parallel conductors carrying current.

**Unit – 8      Electromagnetic Induction****02 Marks**

Faraday's law of electromagnetic induction, Lenz's law, eddy current, self and mutual induction, emf induced in a rotating coil. Alternating current, average and RMS values of alternating currents, simple AC circuits (RC, RL and RLC), concept of admittance and impedance. Transformers and simple AC devices (motor, dynamo).

## **CHEMISTRY**

**Total marks : 20****1.    Basic Concepts****02 Marks**

Atomic, molecular and equivalent masses, mole concept, types of chemical reactions, calculations based on stoichiometry. Equivalent mass of acid, base, salt, oxidant and reductant.

**2.    States of Matter****1+1 Marks**

Gas laws – Boyle's law, Charles's law, combined gas equation, ideal gas equation. Graham's law of diffusion / effusion, Dalton's law of partial pressure.

Characteristics of Liquids : Vapour pressure, viscosity and surface tension. Colligative properties of solutions (solute and solvent forming binary solution).



**3. Structure of Atom****02 Marks**

Bohr's model and its limitations, concept of shells and sub-shells, dual nature of matter and light. De Broglie's relationship, Heisenberg uncertainty principle, concept of orbitals, quantum numbers, shape of s, p and d orbitals, rules of filling electrons in orbitals – Aufbau principle and Hund's rule, electronic configuration of atoms, stability of half-filled and completely filled orbitals.

**4. Classification and Elements and Periodicity in Properties****02 Marks**

Modern periodic law and the present form of periodic table, periodic trends in properties of elements – atomic radii, ionic radii, ionization enthalpy, electron gain enthalpy, electronegativity, valency.

**5. Chemical Bonding and Molecular Structure****02 Marks**

Ionic bond, covalent bond, polar character of covalent bond, covalent character of ionic bond, concept of hybridization, VSEPR Theory and shapes of some simple molecules, hydrogen bond and metallic bond.

**6. Chemical Reactions****02 Marks**

Types of chemical reactions, redox reaction, oxidation number calculation, balancing of redox equations by oxidation number and ion-electron methods. Neutralization reactions and volumetric analysis.

**7. Chemical Equilibria and Ionic Equilibria****01+01  
Marks**

- i) Equilibrium in physical and chemical processes, law of mass action, equilibrium constants ( $K_c$ ,  $K_p$  and  $K_x$ ), relation among them, the reaction quotient and its relation with equilibrium. Le-Chatelier's principle and its applications.
- ii) Theories of acids and bases, ionization of weak acids and bases, ionic product of water pH and other logarithmic terms, common ion effect, solubility product and its application in salt analysis.

**8. General Principles of Extraction of Metals****02 Marks**

Occurrence of metals, ores and minerals, concentration, calcinations, roasting, smelting, reduction methods (carbon reduction, aluminothermic process, electrolytic and self-reductions) and metal extraction, flux and slag,

refining of metals. Reactions involved in the Blast Furnace for the extraction of iron.

**9. Some Basic Principles in Organic Chemistry**

**02 Marks**

- i) Classification and IUPAC nomenclature of organic compounds
- ii) Electronic displacement in a covalent bond : inductive effect, electronic effect, resonance and hyper conjugation.
- iii) Homolytic and heterolytic fission of a covalent bond : free radicals, carbocations, carbanions, electrophiles and nucleophiles, types of organic reactions.

**10. Hydrocarbons**

**01+01  
Marks**

Classification of Hydrocarbons :

- i) Aliphatic Hydrocarbons : General methods of preparation, properties and uses of alkanes, alkenes and alkynes.
- ii) Aromatic Hydrocarbons : Benzene : resonance aromaticity, chemical properties, directive influence of functional group in monosubstituted benzene.

## **MATHEMATICS**

*20 questions are to be asked. Each question carries 01 mark*

**1. Set Theory and its Application**

**01 Mark**

- Union intersection, difference complement, power set, number of elements in union and intersection of finite sets.

**2. Relations and Functions**

**02 Marks**

- Reflexive, Symmetric, transitive and equivalence relations, injective, surjective and bijective functions, inverse of a function.

**3. Number System**

**01 Mark**

- Natural numbers, integers, rational numbers, irrational number, real numbers, absolute values of numbers, triangle inequality.

- 4. Quadratic Equations** **01 Mark**
- Fundamental theorem of Algebra, roots, discriminants, nature the roots, relation between the roots and coefficients.
- 5. Group** **01 Mark**
- Group, semi-group, monoid, finite group, abelian group, sub-group, co-set, Lagrange's theorem, normal sub-groups.
- 6. Calculus of One Variable** **02 Marks**
- Limit, continuity, derivative, tangent, normal, increasing and decreasing functions.
- 7. Sequence and Series** **02 Marks**
- Arithmetic and Geometric progressions, monotonic sequence, exponential series, logarithmic series, Taylor's series, Maclaurin's series.
- 8. Coordinate Geometry** **02 Marks**
- Distance formula, section formula, area of a triangle, locus and its equation, straight line, circle, conic section.
- 9. Analytical Solid Geometry** **01 Mark**
- Plane, straight line, sphere
- 10. Probability** **01 Mark**
- Trial, Sample Point, Sample Space, Event, Addition Theorem, Binomial Distribution.
- 11. Statistics** **01 Mark**
- Mean, Mode, Median, Mean Deviation, Standard Deviation, Variance.
- 12. Trigonometry** **02 Marks**
- Angles associated with  $90^\circ$ ,  $180^\circ$ ,  $270^\circ$ ,  $360^\circ$ , compound angle formula, multiple angle formula, sub-multiple angle formula, Trigonometric Equations, Inverse trigonometric functions

**13. Mensuration****02 Marks**

- Circumference of a circle, length of the arc of a circle, area of a circle, sector and segment, area of a circular annulus, area of a sectional region, area of a segment, surface area and volume of a prism, right circular cylinder, cone and sphere.

**14. Determinant and Matrix****01 Mark**

- Determinant, minors, co-factors, Cramer's Rule, Matrix, Singular, Non-singular, Transpose, Ajoint Inverse, Solution of Equations by Matrix method.

**CBZ :** This section shall carry the questions from Chemistry, Botany and Zoology subjects with equal proportion of marks:

**CHEMISTRY**

As indicated in the PCM Syllabus

**BOTANY****1. Plant Diversity and Conservation****04 Marks**

- Nomenclature and classification of plant kingdom, Plant divisions – Thallophyta, Bryophyta, Pteridophyta, Gymnosperms and Angiosperms, their habitat and complexity in their structural organization. Endangered plant species and their conservation measure.

**2. Tissue System****03 Marks**

- Meristematic and permanent tissues: their types, organization and functions.
- Tissue System: Epidermal, ground and vascular tissue system, internal structure of dicot and monocot stems and roots, secondary growth in plants.

**3. Photosynthesis****03 Marks**

- Structure and Photosynthetic pitments, Light reaction : light absorption, electron transport and photophosphorylation, Dark

reaction – CO<sub>2</sub> fixation by C<sub>3</sub>, C<sub>4</sub> and CAM plants, photorespiration.

**4. Growth Regulators in Plants**

**02 Marks**

- Auxins, Gibberellins, Cytokinins, Ethylene and Abscissic acid, their role in plant growth regulation.

**5. Reproduction in Plants**

**04 Marks**

- Vegetative Reproduction : Fission, budding and cutting (grafting) and propagation in angiosperms.
- A Sexual Reproduction : Sporulation, Comidia formation and other special structure formation.
- Sexual Reproduction : Isogamy, anisogamy and oogamy, double fertilization and triple fusion in angiosperms.
- Parthenogenesis : Tissue culture and micropropagation

**6. Mendelism**

**02 Marks**

- Mendelian factors, Monohybrid cross and principles of dominance and segregation.
- Dihybridcross : Laws of independent assortment.
- Deviations from Mendelian principles

**7. Plant Diseases and Control Measures**

**02 Marks**

- Causal Organisms, symptoms, life cycle and control measures of following diseases : Late blight of potato, powdery mildew, Rust and Smut of Wheat, Leaf Sport and blast disease of rice.

## **ZOOLOGY**

**Full Marks : 20**

**1. Taxonomy**

**01 Mark**

- Five kingdom classification, Characteristics and Examples of each animal phylum (in case of phylum chordata up to classes) (01 question)

**2. Cytology**

**02 Marks**

- Cell structure and cell division (mitosis and meiosis), DNA and RNA (02 questions)

**3. Genetics** **02 Marks**

- Linkage, Crossing over, Mutation, Chromosomal aberration and chromosomal mechanism of sex determination (02 questions)

**4. Evolution** **02 Marks**

- Darwinism, Modern Synthetic theory of evolution (variation, selection and isolation) (02 questions)

**5. Ecology** **02 Marks**

- Eco-system, Food Chain and Food web, Energy Flow, Ecological Pyramids, Renewable and Non-renewable energy resources, Bio-diversity (meaning and conservation), Causes, Effects and Control of Air Pollution (02 marks)

**Life Processes:**

**6. Nutrition** **01 Mark**

- Types of food and types of nutrition, names and functions of digestive enzymes (01 question)

**7. Respiration** **02 Marks**

- Types of respiration (aerobic and anaerobic) Glycolysis and Krebs cycle (02 questions)

**8. Circulation** **02 Marks**

- Blood (composition and function) in man, structure and working of human heart (02 questions)

**9. Excretion** **02 Marks**

- Human kidney (structural details), mechanism of urine formation (02 questions)

**10. Control and Coordination** **02 Marks**

- Structure of neuron, synaptic transmission, structure of human brain and function of its different parts, names of endocrine



glands and secreted hormones with their specific functions (02 questions)

## **11. Reproduction and Development**

**Marks**

Structure of goruda (ovary and testes) and gametes in man, Fertilization, Types of cleavage (02 questions)

### **Section III TG Arts (Social Studies)**

The syllabus for TG Arts (Social Studies) shall comprise of two different combinations of subjects. The candidates having the expertise in respective subjects shall have to select **any one** combination. The distribution of marks for these **two combinations** has been earmarked in the syllabus structure. **The first combination** consists of the subjects like **History and Political Science, Geography and Economics (15+15 Marks)** and **English (30 Marks)**. The **second combination** consist of the subject like: **History and Political Science, Geography and Economics (15+15 Marks)** and **Odia (30 Marks)**. The candidates have to appear any one combination from the above two combinations.

### **HISTORY + POLITICAL SCIENCE (15 Marks) HISTORY**

#### **1. Great Rulers of Ancient India**

- Asoka – Conquests, Administration and Missionary activities
- Kharavela – Achievements as mentioned in Hatigumpha Inscription
- Samudragupta – Conquests
- Harshavardhana – Conquests, Administration and Religious activities

#### **2. Development of Art and Architecture during Mourya Age, Gupta Age and Kushana Age**

#### **3. Development of Literature and Science in Ancient India**

#### **4. Administration during Delhi Sultanate with special reference to Balban, Alauddin Khilji and Feroze Shah Tughlaq**

#### **5. Mughal Architecture and Painting during the reign of Akbar, Jahangir and Shahjahan**

6. Rise of British Power in India from 1757 to 1856
  - Robert Clive and Foundation of British Power
  - Administrative and Judicial Reforms of Warren Hastings
  - Revenue Reforms of Lord Cornwallish
  - Subsidiary Alliance
  - Reforms of Lord William Bentinch
  - Doctrine of Lapse
7. Growth of Indian Nationalism, 1857-1905
  - Revolt of 1857
  - Development of Press and Literature
  - Education
  - Formation of Political Associations
8. Indian National Movement, 1905-1947
  - Swadeshi Movement
  - Non-cooperation Movement
  - Civil Disobedience Movement
  - Quit India Movement
  - Indian National Army
  - Partition and Independence
9. First World War and Russian Revolution
  - Causes and consequences of First World War
  - Causes, Progress and Effects of Russian Revolution
10. Second World War – Causes and Consequences

## **POLITICAL SCIENCE**

1. Salient features of Indian Constitution
2. Preamble, Fundamental Rights, Directive Principles of State Policy, Fundamental Duties
3. Union Government – President, Prime Minister, Council of Ministers, Parliament and Supreme Court

4. State Government – Governor, Chief Minister, Council of Ministers, Legislative Assembly and High Court
5. Chief Secretary and District Collector
6. Local Governance – Urban and Rural
7. Political Parties and Pressure Group
8. Electoral Process and Election Commission
9. India's Foreign Policy and its relation with neighbours
10. United Nations – General Assembly, Security Council Human Rights
11. Socialism, Liberalism, Democracy, Authoritarianism, Welfare State and Globalization
12. Kautilya, Raja Ram Mohan Roy, Bal Gangadhar Tilak, Swami Vivekananda, Mahatma Gandhi, Nehru, B.R. Ambedkar

## **GEOGRAPHY + ECONOMICS (15 Marks)**

### **GEOGRAPHY**

#### **1. Physical Geography of India**

- Physiography
- Drainage
- Climate

#### **2. Resources with Special Reference to India**

- Types and Classification; Land Resources; Biotic Resources
- Mineral, Energy, Water Resources
- Agriculture and Industrial Resources

#### **3. Physical Geography**

- First, second and third order land forms; Development of land forms – work of rivers, wind and glaciers. Interior of the earth, rocks and their types

- Structure and composition of the atmosphere, Insolation and temperature; Pressure and Winds; Humidity and Rainfall
- General relief of ocean floor : Salinity and temperature of the ocean water. Oceanic circulation – waves, tides currents

#### **4. Globe and Maps**

- Basic features; types of maps; map scale; contours of relief features
- Concept of latitude and longitude; International dateline Time Zones; Local and Standard Time

## **ECONOMICS**

#### **1. Indian Economy**

- Features and broad demographic characteristics; Need and Policies for facing the challenges of over population

#### **2. Current Challenges of Indian Economy**

- Poverty – Measures of poverty; Causes, consequences, policy and programmes adopted for poverty eradication; Remedies
- Unemployment – Types and measures of unemployment; Causes, consequences and programmes adopted for reducing unemployment
- Inflation – Meaning and types; Demand pull and cost push inflation; Causes and consequences and measures taken to control inflation

#### **3. Economic Development**

- Meaning and Indicators – National income, PQLI, HDI; Concept of and need for sustainable development

#### **4. Money and Banking**

- Meaning, types and functions of money; Banking : Commercial Banks – Meaning, functions; Credit creation by commercial banks; Central Banking – Meaning and functions; Monetary Policy

**5. Emerging Concerns of Indian Economy**

- Inclusive growth, financial inclusion, Food security and PDS, Consumer awareness, Economic reforms

**Section III**  
**ENGLISH (30 Marks)**

**1. Comprehension :**

- a)** An unseen passage in about 150 words **08 marks**  
Questions testing factual, understanding, inferential and interpretive aspects including vocabulary and usage
- b)** A Poem (neither very old nor very absurd but a simple one) **07 marks**  
Questions testing factual, understanding, referential, appreciative aspects including vocabulary in context)

**2. Grammar and Usage**

**08 marks**

*Testing of Grammar and Usage in the following areas :*

1. Prepositions
2. Direct and Indirect Speech
3. Passives
4. Tense
5. Identification of error in a sentence
6. Phrasal Verbs
7. Clause Patterns
8. Punctuations
9. Types of Sentences
10. Spelling
11. Agreement of Verbs with subjects

**3. Speaking (commonly mispronounced words)**

**02 marks**

**4. Pedagogy**

**05 marks**

- a)** Importance of teaching / learning English in the present context
- b)** Objectives of teaching / learning English with reference to language skills and sub-skills
- c)** Language acquisition Vs. Language Learning / Mother tongue Vs. Second language learning

- d) Strategies of teaching / learning English with special reference to NCF – 2005
- e) Planning the various stages for teaching / learning – prose, poetry, grammar and composition lessons
- f) Stages of planning for a text (pre-reading, while-reading and post-reading)
- g) Assessment of language skills : tools and techniques with reference to Continuous and Comprehensive Assessment

**Or**  
**Section III**  
**ODIA (30 Marks)**

ଏହି ପାଠ୍ୟକ୍ରମର ପୂର୍ଣ୍ଣସଂଖ୍ୟା - ୩୦ ଏବଂ ଏଥିପାଇଁ ୩୦ଟି ପ୍ରଶ୍ନ ରହିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର କ୍ରମସଂଖ୍ୟା କେବଳ ୧, ୨, ୩, ୪ କ୍ରମରେ ୩୦ ଯାଏ ରହିବ । ପ୍ରତି ପ୍ରଶ୍ନ ସହ ୪ (ଚାରି)ଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯାଇଥିବ, ତା' ମଧ୍ୟରୁ ସବୁଠାରୁ ଉପଯୁକ୍ତ ଉତ୍ତରଟିକୁ ବାଛିବାକୁ ହେବ ।

ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ମୂଲ୍ୟ ୧ ନମ୍ବର ।

ନିମ୍ନ ପ୍ରଦତ୍ତ ବିଷୟମାନଙ୍କରୁ ପ୍ରଶ୍ନ ପ୍ରସ୍ତୁତ କରାଯିବ ।

୧. ଅବବୋଧ ପରୀକ୍ଷଣ : ପ୍ରାୟ ୧୫୦ ଶବ୍ଦ ବିଶିଷ୍ଟ ଏକ ଗଦ୍ୟ ଅନୁଚ୍ଛେଦ ପ୍ରଦାନ କରାଯାଇ ତା'ର ଆଧାରରେ ୫ଟି ପ୍ରଶ୍ନକରାଯିବ । ପ୍ରତିପ୍ରଶ୍ନର ୪(ଚାରି)ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉତ୍ତର ପ୍ରଦତ୍ତ ହୋଇଥିବ । ପରୀକ୍ଷାର୍ଥୀ ତା' ଭିତରୁ ସବୁଠାରୁ ଉତ୍ତରଟିକୁ ବାଛିବାକୁ ହେବ । ପ୍ରତି ଉପଯୁକ୍ତ ଉତ୍ତର ପାଇଁ ୧ ନମ୍ବର ରହିବ । (1 x 5)
୨. ଲେଖା ଓ ଲେଖକ : ସାରଳା ଦାସ, ଜଗନ୍ନାଥ ଦାସ, ଉପେନ୍ଦ୍ର ଭଞ୍ଜ, ଭୀମଭୋଇ, ଫକୀରମୋହନ, ଗୋପାଳଚନ୍ଦ୍ର ପ୍ରହରାଜ, ଗୋପୀନାଥ ମହାନ୍ତି - ୭ଜଣ ଲେଖକଙ୍କର ଗୋଟିଏ କୃତିର ନାମ ଉଲ୍ଲେଖ କରାଯାଇ ଲେଖକଙ୍କ ନାମ ପ୍ରଶ୍ନ କରାଯିବ କିମ୍ବା ଲେଖକଙ୍କ ନାମ ଦିଆଯାଇ ଭିନ୍ନ ଭିନ୍ନ ଋଚିତା ମଧ୍ୟରୁ ଠିକ୍ ଉତ୍ତରଟି ବାଛିବାକୁ କୁହାଯିବ । (1 x 2)
୩. ପଦନିର୍ଣ୍ଣୟ : ଗୋଟିଏ ନିର୍ଦ୍ଦିଷ୍ଟ ବାକ୍ୟ ଦିଆଯାଇ ତହିଁରୁ ଗୋଟିଏ ପଦକୁ ରେଖାଙ୍କିତ କରି ସେହି ପଦଟିକୁ ଚିହ୍ନଟବାକୁ ପ୍ରଶ୍ନ କରାଯିବ । ଏଥିପାଇଁ ୪ଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ । ପରୀକ୍ଷାର୍ଥୀ ଠିକ୍ ଉତ୍ତରଟିକୁ ବାଛିବେ । ଏହିପରି ବିଶେଷ୍ୟ / ସର୍ବନାମ / ବିଶେଷଣ / ଅବ୍ୟୟ କ୍ରିୟାପଦ ଇତ୍ୟାଦି ୫ ପ୍ରକାର ମଧ୍ୟରୁ ୩(ତିନି) ପ୍ରକାରର ୩ଟିକୁ ଚିହ୍ନଟବାକୁ ହେବ ।  
ଏଥିପାଇଁ ଭିନ୍ନ ଭିନ୍ନ ୩(ତିନି)ଟି ବାକ୍ୟ ମାଧ୍ୟମରେ ୩ଟି ପ୍ରଶ୍ନ କରାଯିବ । (1 x 3)
୪. କୃଦନ୍ତ: ଦୁଇଟି କୃଦନ୍ତ ନିଷ୍ପନ୍ନ ପଦର ଗଠନ କିମ୍ବା ପ୍ରତ୍ୟୟ ଚିହ୍ନଟବାକୁ ପ୍ରଶ୍ନ କରାଯିବ । ପ୍ରତ୍ୟେକରୁ ୪ଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯାଇ ଠିକ୍ ଉତ୍ତରଟି ବାଛିବାକୁ ନିର୍ଦ୍ଦେଶ ରହିବ । (1 x 2)
୫. ତଦ୍ଭିତ: ଦୁଇଟି ତଦ୍ଭିତ ନିଷ୍ପନ୍ନ ପଦ ଦିଆଯାଇ ପ୍ରତ୍ୟେକ ନିର୍ଣ୍ଣୟ କିମ୍ବା ୪ଟି ଭିନ୍ନଭିନ୍ନ ଶବ୍ଦ ମଧ୍ୟରୁ ତଦ୍ଭିତ ନିଷ୍ପନ୍ନ ପଦ ଠିକ୍ ଶବ୍ଦଟିଏ ରଖି ତାକୁ ଚିହ୍ନଟବାକୁ କୁହାଯିବ । (1 x 2)



୬. ବାକ୍ୟ ପରିଚିତି: ସରଳ, ଯୌଗିକ, ଜଟିଳ ବାକ୍ୟ କିମ୍ବା ଦୁଇ ପ୍ରକାର ବାକ୍ୟର ମିଶ୍ରରୂପ ଭିତରୁ ଯେକୌଣସି ବାକ୍ୟଟିଏ ପ୍ରଶ୍ନରେ ଦେଇ ତା'ର ପ୍ରକାର ଚିହ୍ନଟ୍ଟାବାକୁ କୁହାଯିବ । ସମ୍ଭାବନା ସ୍ୱରୂପ ୪ ପ୍ରକାର ଉତ୍ତର ଦିଆଯିବ, ତା'ଭିତରୁ ପରୀକ୍ଷାର୍ଥୀ ଠିକ୍ ଉତ୍ତରଟିକୁ ବାଛିବେ । (1 x 1)
୭. ସାଧାରଣ ଅଶୁଦ୍ଧି : ଶବ୍ଦ ଓ ବାକ୍ୟ ପ୍ରତ୍ୟେକରୁ ୨ଟି ଲେଖାଏଁ ପ୍ରଶ୍ନ ଦିଆଯାଇ ସେଥିରୁ ଠିକ୍ ଶବ୍ଦ କିମ୍ବା ବାକ୍ୟ ବାଛିବାକୁ କୁହାଯିବ । ଏଥିରେ ୩ଟି ଅଶୁଦ୍ଧ ଶବ୍ଦ କିମ୍ବା ବାକ୍ୟ ଓ ଗୋଟିଏ ଶୁଦ୍ଧ ଶବ୍ଦ ବା ବାକ୍ୟ ଥିବ, ସେଥିରୁ ଶୁଦ୍ଧଟିକୁ ବାଛିବେ । ଶବ୍ଦ ଓ ବାକ୍ୟ ପାଇଁ ଅଲଗା ପ୍ରଶ୍ନ ପଡ଼ିବ । (2 x 2=4)
୮. ସନ୍ଧି : ସ୍ୱରସନ୍ଧି, ବ୍ୟଞ୍ଜନ ସନ୍ଧି ଓ ବିସର୍ଗସନ୍ଧି ମଧ୍ୟରୁ ଯେକୌଣସି ଗୋଟିଏ ସନ୍ଧି ନିଷ୍ପନ୍ନ ପଦନେଇ ତା'ର ଠିକ୍ ବିଚ୍ଛେଦ ବାଛିବାକୁ ୪ (ଚାରି)ଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ । ପରୀକ୍ଷାର୍ଥୀ ଠିକ୍ କୁ ବାଛିବେ । (1 x 1)
୯. କାରକ : ବାକ୍ୟଟିଏ ଦେଇ ଗୋଟିଏ ପଦକୁ ରେଖାଙ୍କିତ କରି ତାହା କେଉଁ କାରକ ଚିହ୍ନଟ୍ଟାବାକୁ ୪ଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ମଧ୍ୟରୁ ଠିକ୍ ବାଛିବାକୁ କୁହାଯିବ । (1 x 1)
୧୦. ବିଭକ୍ତ: ବାକ୍ୟଟିଏ ଲେଖା ଦେଇ ଗୋଟିଏ ପଦକୁ ରେଖାଙ୍କିତ କରି ତାହା କେଉଁ ବିଭକ୍ତି, ଦିଆଯାଇଥିବା ୪ଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ମଧ୍ୟରୁ ବାଛିବାକୁ କୁହାଯିବ । ଏହିପରି ଦୁଇଟି ଭିନ୍ନ ଭିନ୍ନ ପ୍ରଶ୍ନ ପ୍ରଦାନ କରାଯିବ । (1 x 2)
୧୧. ସମାସ: ତତ୍ପ୍ରଭୃଷ୍ଟ, କର୍ମଧାରୟ, ବହୁବ୍ରାହି, ଦ୍ୱିଗୁ, ଦ୍ୱୟ, ଅଲୁକ, ଅବ୍ୟୟୀଭାବ-୭ଟି ସମାସ ମଧ୍ୟରୁ ଦୁଇଟି ପ୍ରଶ୍ନକରାଯାଇ ସମାସ ଚିହ୍ନଟ୍ଟାବାକୁ କିମ୍ବା ବ୍ୟାସବାକ୍ୟ ଦିଆଯାଇ ସମାସ ନିଷ୍ପନ୍ନ ପଦ ନିର୍ଣ୍ଣୟ କରିବାକୁ ଦିଆଯିବ । ପ୍ରତିଟି ପାଇଁ ୪ଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ପ୍ରଦାନକରି ଠିକ୍ ଟିକୁ ବାଛିବାକୁ ହେବ । (1 x 2)
୧୨. ରୁଚି : ଗୋଟିଏ ରୁଚି ଦିଆଯାଇ ତା'ର ୪ଟି ସମସ୍ୟା ଅର୍ଥ ମଧ୍ୟରୁ ଠିକ୍ ଅର୍ଥଟି ବାଛିବାକୁ କୁହାଯିବ । (1 x 1)
୧୩. ଛନ୍ଦ : ଛନ୍ଦ ପାଇଁ ଗୁଞ୍ଜରୀ, ନଟ ବାଣୀ, ବଙ୍ଗଳାସୀ, ଦାଣ୍ଡିବୃତ୍ତ, ଖେଡ଼-୫ଟି ମଧ୍ୟରୁ ଗୋଟିଏ ଛନ୍ଦର ଉଦାହରଣ ଉଦ୍ଧାରକରି ଛନ୍ଦ ଚିହ୍ନଟ୍ଟାବାକୁ କୁହାଯିବ । ଏଥିପାଇଁ ୪ଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ । (1 x 1)
୧୪. ଅଳଙ୍କାର: ଅନୁପ୍ରାସ, ଉପମା, ରୂପକ, ବ୍ୟତିରେକ, ଉତ୍ପ୍ରେକ୍ଷା, ଅର୍ଥାନ୍ତରନ୍ୟାସ - ୬ଟି ମଧ୍ୟରୁ ଗୋଟିଏର ଉଦ୍ଧୃତି ଦେଇ ଅଳଙ୍କାର ଚିହ୍ନଟ୍ଟାବାକୁ କୁହାଯିବ । ଏଥିପାଇଁ ଚାରିଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ । (1 x 1)
୧୫. ଏକ ପଦାକରଣ : ବାକ୍ୟା ପ୍ରଦାନ କରାଯାଇ ଏହାକୁ ଏକପଦରେ ପ୍ରକାଶ କରିବାକୁ କୁହାଯିବ ଏବଂ ଏକପଦ ରୂପ ଦିଆଯାଇ ଏହା ଅର୍ଥ ବ୍ୟାଖ୍ୟା ଚିହ୍ନଟ୍ଟାବାକୁ ପ୍ରଶ୍ନକରାଯିବ । ଏଥିପାଇଁ ଦୁଇଟି ଭିନ୍ନ ଭିନ୍ନ ପ୍ରଶ୍ନ କରିବା ଓ ପ୍ରତିଟି ପାଇଁ ୪ଟି ଲେଖା ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ; ସେଥିରୁ ଠିକ୍ ଟିକୁ ବାଛିବାକୁ ହେବ ।

### **Section III**

#### **TG : HINDI / SANSKRIT / URDU / TELGU**

The candidates aspiring to appear the test in any of the classical language subjects as mentioned above, must have to fulfill the basic eligibility criteria as has been mentioned in the Government Resolution in the Guideline for Conducting OSSTET. The syllabus for each subject area has been detailed below. The full mark for each subject area is 60. The medium of examination for these subjects shall be in the respective languages.

## Hindi (60 Marks)

60 Marks

इस विभाग में कुल अंक 60 हैं । अतएव 1 अंकवाले 60 प्रश्नों के उत्तर देना है । प्रत्येक प्रश्न के चार विकल्प होंगे । सही विकल्प चुनना होगा । प्रश्न ज्ञान के स्तर की परीक्षा करने के अनुकूल होंगे ।

### UNIT- I (हिन्दी गद्य साहित्य)

10 अंक

(i) निबंध - निम्नलिखित पाठ्य विषयों से प्रश्न किए जायेंगे ।

- बालमुकुंद गुप्त - बनाम लार्ड कर्जन
- रामचन्द्र शुक्ल - क्रोध
- हजारी प्रसाद द्विवेदी - अशोक के फूल
- हरिशंकर परसाई - भोलाराम का जीव

(ii) उपन्यास -

- प्रेमचन्द - कर्मभूमि
- भगवती चरण वर्मा - चित्रलेखा
- मन्नू भण्डारी - आपका बंटी

(iii) कहानी -

- प्रेमचन्द - कफन, पूस की रात
- प्रसाद - पुरस्कार, आकाशदीप
- अज्ञेय - तत्सत्
- भगवती चरण वर्मा - प्रायश्चित्त
- कमलेश्वर - गर्मी के दिन
- जैनेन्द्र कुमार - पत्नी

- उषा पियम्बदा - वापसी
- भीष्म साहनी - चीक की दावत
- (iv) नाटक -
  - जय शंकर प्रसाद - चन्द्रगुप्त
  - लक्ष्मीनारायण मिश्र - सिंदूर की होली
  - मोहन राकेश - आषाढ़ का एक दिन
- (v) संस्मरण / रेखाचित्र
  - महादेवी वर्मा - गौरा
  - रामवृक्ष बेनीपुरी - रज़िया
  - विष्णु प्रभाकर - अंष्टावक्र

#### UNIT- II (पद्य विभाग)

10 अंक

- (i) कवीर दास - दोहे - गुरु गोविन्द दोउ खड़े, पानी केरा बुद बुदा, माटी कहै कुम्भारसे, जलमें कुंभ, कस्तूरी कुंडल बसै, माली आपन, कल करै सो आज कर, साधु ऐसा चाहिए... । पद - माया महा ठमिनी ।
- (ii) सूरदास - बाल वर्णन - मैया मैं नहीं माखन, मैया मोहि दाऊ बहुत खिझायौ, जसुमति हरि पालनै, मैया कबहुँ बढ़ेगी चोटी ।  
भ्रमर गीत - अंधो मन मानेकी बात, ऊधो मन जहिँ दस बीस, निर्गुन कौन देसकौ, अधा मोहि ब्रज विसरत नहिँ ।
- (iii) तुलसी दास - केवट प्रसंग, भरत-महिमा
- (iv) बिहारी - मेरी सब बाधा हरौ, कनक कनक तैं, बतरस लालच, कहत नटत रीझत.. ।
- (v) मैथिलीशरण गुप्त - यशोधरा
- (vi) दिनकर - कुरुक्षेत्र (प्रथम तीन वर्ष)
- (vii) बच्चन - पथकी पहचान, जुगनू
- (viii) सुभद्राकुमारी - झाँसी की रानी

- (ix) प्रसाद - भारतवर्ष, हिमाद्रि तुंग...
- (x) पंत - प्रथम रश्मि, ताज
- (xi) निराला - संध्यासुंदरी, तोड़ती पत्थर
- (xii) केदारनाथ सिंह - अकाल में दूब
- (xiii) नागार्जुन - बहुत दिनों के बाद

UNIT- III (प्रत्येक पाठ्य - बिन्दु से दो प्रश्न)

20 अंक

भाषा अध्ययन :

- i) हिन्दी और ओड़िआ ध्वनियाँ (व्यतिरेकी ज्ञान)
- ii) शब्द निर्माण - प्रचलित उपसर्ग और प्रत्यय
- iii) संधि तथा समास
- iv) विलोम और पर्यायवाची शब्द
- v) शब्दों की सही वर्तनी और उच्चारण
- vi) संज्ञा : लिंग, वचन
- vii) कारक विभक्ति और विशेषण के मुख्य प्रकार
- viii) क्रिया : (क) भेद (सकर्मक, अकर्मक, सरल, मिश्र, यौगिक, प्रेरणार्थक)  
(ख) काल- तीन कालों का मुख्य भेद
- ix) वाक्य : मुख्य भेद और परिवर्तन
- x) अति प्रचलित मुहाबरे और कहावतें

UNIT- VI (भाषा प्रयोग)

10 अंक

- i) गद्य पाठ विधि - परिचयात्मक प्रश्न, वाचन, लेखन, बोध प्रश्न, ज्ञान, और चिंतामूलक प्रश्न ।

- ii) पद्य पाठ विधि - सामान्य परिचयात्मक प्रश्न, व्याख्या की पद्धति, आत्मीकरण, काव्यानन्दका स्वाद ।
- iii) व्याकरण पाठ विधि - आगमन / निगमन प्रणाली
- iv) अनुवाद - ओडिआ से हिन्दी पाँच सरल वाक्य या वाक्यांश
- v) अपठित गद्य/पद्यांश - (छोटे-छोटे दो अंश)

उसमें से बोध / ज्ञान मूलक प्रश्न होंगे

- 0 -

## Sanskrit (60 Marks)

शिक्षादान पद्धतिः

UNIT- 1 : Learning Sanskrit संस्कृतशिक्षणम् [10]

- संस्कृतशिक्षणस्य सामौन्यम् उद्देश्यं महत्त्वं च
- माध्यमिकस्तरे संस्कृत शिक्षायाः महत्त्वम्
- संस्कृतशिक्षायाः मुगमं कौशलम्
- श्रवणम् पाठनम्, वाचनम्, पठनकौशलम् लेखनकौशलम्

UNIT- 2 : भाषाप्रशिक्ष [10]

- व्याकरणानुवाद पद्धति : (Formal Grammar, Functional Grammar)
- प्रत्यक्षपद्धतिः (Preparation, Presentation, Comparison, Assimilation, (Directmethod) Application)
- परोक्षपद्धति : (Indirect Method) - अन्वय पद्धति Teaching Poetry,
- आरोह पद्धति : अस्या पद्धतेः गुणाः दोषाः च

Indirective Method - From Example to approach the sutra method in grammar.

- अवरोह पद्धति : (deductive method) Interpretation of the sutra and justification through the examples.

UNIT- 3 : भाषासाहित्यशिक्षण पद्धति : [10]

Method of assessment learning sanskrit language and literature.

गद्य-पद्य प्रशिक्षण परीक्षण योजना

Planning of assessment of teaching prose and poetry.

परीक्षजस्य योजना साफल्यं च परीक्षणस्य अवान्तर साधनानि

श्रवणम्, भाषणम् पठनम्, वाचनम्, लेखनम्

Group-B (CONTENT)

UNIT- 4 : Elements of Sanskrit Language

संस्कृतभाषायाः मौलिकं ज्ञानम् [10]



## शिक्षादान पद्धति:

UNIT- 1 : Learning Sanskrit संस्कृतशिक्षणम् [10]

- संस्कृतशिक्षणस्य सामौन्यम् उद्देश्यं महत्वं च
- माध्यमिकस्तरे संस्कृत शिक्षायाः महत्त्वम्
- संस्कृतशिक्षायाः मुगमं कौशलम्
- श्रवणम् पाठनम्, वाचनम्, पठनकौशलम् लेखनकौशलम्

UNIT- 2 : भाषाप्रशिक्ष [10]

- व्याकरणानुवाद पद्धति : (Formal Grammar, Functional Grammar)
- प्रत्यक्षपद्धति: (Preparation, Presentation, Comparison, Assimilation, (Directmethod) Application)
- परोक्षपद्धति : (Indirect Method) - अन्वय पद्धति Teaching Poetry,
- आरोह पद्धति : अस्या पद्धतेः गुणाः दोषाः च

Indirective Method - From Example to approach the sutra method in grammar.

- अवरोह पद्धति : (deductive method) Interpretation of the sutra and justification through the examples.

UNIT- 3 : भाषासाहित्यशिक्षण पद्धति : [10]

Method of assessment learning sanskrit language and literature.

गद्य-पद्य प्रशिक्षण परीक्षण योजना

Planning of assessment of teaching prose and poetry.

परीक्षजस्य योजना साफल्यं च परीक्षणस्य अवान्तर साधनानि

श्रवणम्, भाषणम् पठनम्, वाचनम्, लेखनम्

Group-B (CONTENT)

UNIT- 4 : Elements of Sanskrit Language

संस्कृतभाषायाः मौलिकं ज्ञानम् [10]

(अदृष्ट सन्दर्भगिता: प्रश्ना: (Comprehensiment to unseen passage)

One Passage from Prose (within 150 words)

गद्यभागस्य एकः सन्दर्भः (१५० शब्दमध्ये)

पञ्चतन्त्रतः हितोपदेशतः (From Panchatantra and Hitopadesha)

One verse from Purvamegha or Abhijnuna sakuntalam

Word meming, Sandhi, Karaka Vibhukti Samasa, Prakriti Pratyaya.

UNIT- 5 : Language Item, भाषागता विषया:

[10]

Parts of Speech - भाषा विभाग

शब्दरूपम्, धातुरूपम्, विशेषणम्, सर्वनाम, संख्यावाचक विशेषणम्

शब्दरूपम् - बालक, फल, लता, मुनि, पति, मति, वारि, नदी, भानु, धेनु, मधु, वधू, पितृ, मातृ, गो, गुणिन् राजन्, गच्छत्

विशेषण सर्वनाम - सर्व, तद्, यद्, किम्, इदम्, अस्मद्, युष्मद्

संख्यावाचक - एक, द्वित्रि, चतुर, पञ्च, षड्

पूरणवाचक - प्रथम, द्वितीय इत्यादि

शब्द निर्माणम् - उपसर्गः, कृदन्तः स्त्रीप्रत्ययः

शब्दज्ञानम् - व्याकरणगताः पारिभाषिकाः शब्दाः

सन्धिः, णत्वविधिः, षत्वविधिः

शब्दरूपधातुरूपगतवर्णशुद्धि :

Unit - 6 : Contributions of famous poet and authors to Sanskrit literature [10]

(Prose, Poetry, Drama and composition.

Bhasa, Kalidas, Bhababiti, Dandin : Banabhatta

Bhartrihari - Jayadev Trivikrambhatta Sriharsa

Bibliography - सहायकग्रन्थ सूची

- संस्कृत वल्लरी, BSE, Odisha, Cuttack
- संस्कृत साहित्यमञ्जरी, BSE, Odisha, Cuttack
- संस्कृत व्याकरणेण प्रकाश, BSE, Odisha, Cuttack
- संस्कृत व्याकरणेण प्रकाश, BSE, Odisha, Cuttack
- व्याकरणेण वर्ण - Odia Text Book Bureau, Odisha, BBSR.
- संस्कृत भाषा शिक्खा उ शिक्खादान, BSE, Odisha, Cuttack
- +2 उ +3 पाठ्य पुस्तक ।

## Distribution of Marks

### अङ्क विभाजनम्

Questions of multiple choice

Unit - I :	Learning Sanskrit, संस्कृत शिक्षणम् संस्कृतभाषायाः उत्पत्तिः, श्रेणीविभागः, विश्वभाषां प्रति संस्कृतस्य दानम्, भारतवर्षे संस्कृत भाषाशिक्षा, ओडिशाप्रान्ते संस्कृतशिक्षा विदेशे संस्कृतशिक्षा, कौशलम् ।	1 x 10 = 10
Unit - II :	भाषाप्रशिक्षणम्	1 x 10 = 10
Unit - III :	भाषासाहित्यशिक्षणपरीक्षणपद्धतिः	1 x 10 = 10
Unit - IV :	Comprehension - सन्दर्भगताः प्रश्नाः	1 x 10 = 10
Unit - V :	Language Items - भाषागताः विषया	1 x 10 = 10
Unit - VI :	Contribution of famous Poets & authors संस्कृतकवीनां दानम्	1 x 10 = 10
		<b>TOTAL = 60</b>

-0-

## Urdu (60 Marks)

Prose-10 ( 5 objective questions + 5 short answers from unseen passage) = 10 marks

Poetry-10 ( 2 questions with alternative) = 2 x 5 = 10 marks

Drama-10 ( 5 questions with alternative) = 2 x 5 = 10 marks

Novel/Short story = 10 marks ( 5 question with alternative) = 2 x 5 = 10 marks

Grammar = 10 marks ( 10 objective type questions) = 1 x 10 = 10 marks

Pedagogy = 10 marks ( 10 objective type questions) = 1 x 10 = 10 marks

1. Prose:
    1. Gulistan-e-urdu
    2. Shaoor-e-Adab

Topics : 
    1. Ek, Khuda Parast Shahzadi
    2. Nasooh Ki Bimari
    3. Guzra Hua Zamana
    4. Amirul Muminin Hazrat Umar Faruq Ke Halat – 10 marks
  2. Poetry :
    1. Shaoor-e-Adab
    2. Guldasta-e-urdu

Topics : 
    1. Mojahid-e-Azadi – Mohammed Haneef
    2. Badli Ka Chand
    3. Nishat-e-Ummid
    4. Einstein Ki Wafat Per
    5. Ghazal (Maulvi Barkatullah) – 10 marks

Ghazaliyat: 1. Meer 2. Dard 3. Ghalib 4. Hasrat
  3. Drama : 

Gudia Ghar by Qudsia Zaidi  
Or  
Bikhre Phool by Azhar Afsar - 10 marks
  4. Novel : 

Umrao-Jan-Adda  
Or  
Urdu Ke Tera Afsane

Topics : 
    1. Kafan
    2. Anandi
    3. Mahalaxmi Ka Pool 10 marks
  5. Grammar: Urdu Zuban-O-Qawaid
  6. Pedagogy
- Total 60 marks

### Group - A (Pedagogy)

یونٹ - ۱ گروپ (الف) تدریسی اصول

اردو کی تعلیم

- اردو کو پہلی زبان کی صورت میں پڑھنے کے اغراض و مقاصد -
- مادری زبان سکھانے کے طریقے -
- زبان پر تدریج عبارت (پڑھنا - لکھنا - بولنا - سننا)

یونٹ - ۲ زبان سکھانا

- آبرہہ انٹری سطح پر عبارت پڑھنے کی عبارت پر زور دینا -
- تفصیلی اور غیر تفصیلی مطالعہ (نثر اور نظم)
- مضمون نویسی اور خود ساختہ مضامین -
- قواعد کی کما حقہ تعلیم
- بین اللسانی سطح پر اردو تعلیم کی دشواریاں -

یونٹ - ۳ اردو تعلیم کی جانچ (پڑھنا - لکھنا - بولنا - سننا)

- جانچ کے مختلف طریقے -

### Group - B (Content)

یونٹ - ۴ گروپ "ب" (نصابی کتابیں / مضامین) (ایک نثر سے / ایک نظم سے / ایک ڈرامے سے)

- دو نامعلوم عبارتوں سے سوالات
- جانچ کے طریقے ، قواعد -

یونٹ - ۵ زبان دانی - کلمہ (اسم - فعل - حروف - ضمیر - صفت)

- جملہ سازی (سابقہ - لاحقہ)
- الفاظ کا ذخیرہ (امید - متشابہ اور متضاد الفاظ)
- محاورے اور ضرب الامثال

یونٹ - ۶

اردو کی ترقی میں مشہور ادیبوں کی خدمات

- الطاف حسین حالی
- نیاز فتح پوری
- علی سردار جعفری
- امیر خسرو
- جبروح سلطان پوری

## **TELUGU (60 Marks)**

1. Language – Mother tongue, Aims of teaching through mother tongue, Language teaching skills, Language – Methodology.
2. Teaching Methods, Teaching Practice; Teaching Aids, Literature works – Teaching Methods.
3. Education – Technology, Assessment of Learning, Planning and Designing Achievement Tests, Other Tools for Assessment, Utilization of Educational Sources, Evaluation
4. Unseen poetry passage, unseen prose passage with test items, vocabulary, opposite words, identification of parts of speech; identification of genders
5. Gramatical items : Pronunciation – voice – words formation, words, pratyayamulu, Kalalu, Drutaprakrutikalulu, Parusha, Saralalu, Parts of Speech; Sentences, Tense, Genders, Figures of Speech, Punctuation marks, Meanings, Synoniums, Antoniums, Deviations, Clauses, Phrases, Subjective and non-subjective sentences; different types of sentences, active voice – passive voices, direct – indirect speech, formation of sentences, foreign, country and village words; Sandhi, Samas, Idioms, Phrases and other meanings; Chandhassu, Alankara etc.
6. Contributions of famous literates for development of Telugu language
  - Nannaya – “Mahabharat” Chapter 4 (120 – 165)
  - Karivi / Goparaju – Salivahana Vidyam. Chapter – 1 (115-165)
  - Garimella Satyanarayan – We do not want British ruling
  - Shri Shri – Mahaprastanam
  - Vimala – Vantillu Enta Adbutam



- Unit - 1 • భూష - మాతృభూష  
• మాతృభూష భూగధనా లక్ష్యములు  
• భూగధనా నైపుణ్యాలు  
• భూష - వివిధ భూషనలు

- Unit - 2 • భూగధనా పద్ధతులు  
• భూగధనా పద్ధతి సన  
• భూగధన కౌశలకు ఉపకరణాలు  
• సాంఘిక ప్రక్రియలు - భూగధనా పద్ధతులు

- Unit - 3 • విద్య - సాంకేతిక గాత్రం  
• సహపాఠ్య కార్యక్రమాలు  
• ప్రణాళిక రచన  
• పాఠ్యగ్రంథాలు  
• వనరుల వినియోగం  
• మూల్యంకరణం

- Unit - 4 • గ్రూప్ "B"  
• అపరిచిత పద్ధత భాగము / అపరిచిత గర్భ భాగము పై ప్రశ్నోత్తరం  
• పదముల అర్థాలు • వ్యతీరక అర్థాలు • ఏ భాషా భాగము గుర్తించుట  
• మహాద్వాచకం • మహాపాచకం • అపహాద్వాచకం మున్నగునవి

- Unit - 5 • భాషాంతాలు :- ఉచ్చారణ - ధ్వని - ధ్వన్యర్థము - స్థానాలు - పదము - ప్రాతిపదిక -  
ప్రశ్నయములు - కళలు - దృఢప్రకృతికాలు; పదాలు - సరళాలు; భాషాభాగాలు; వచనాలు;  
కాలాలు; వింగం; విభక్తులు; విరామ చిహ్నాలు; అక్షరాలు; నానాధాలు; పర్యాయ పదాలు;  
స్వరూపాలు; సమాపక - అసమాపక క్రియలు; అకర్మక - సకర్మక క్రియలు;  
వాక్యరీతులు; కర్తార్థక - కర్మార్థక వాక్యాలు; ప్రశ్న - సర్వోత్తమ వాక్యాలు;  
వాక్య నిర్మాణం; తత్పద - తత్పద, దేర్శ, గర్భ, అస్థదేర్శ పదాలు మున్నగునవి  
తెలుగు - సంస్కృత సంఘటనలు; సమాసములు; తెలుగు జాతియములు - అక్షరవివరణ;  
ధ్వనిస్థ (ఉత్పలములు, ఉపకరణాలు, గాత్రాలం, మత్తేభం; ఉపయోగ, తెలుగితి, కందము),  
అలంకారములు

- Unit - 6 • తెలుగు భాషాభివృద్ధికి ఆముఖ్య గ్రంథాలు

- నన్నయ :-  
అంధ్ర మహాభారతం, ఆదిపర్వము, 4వ అధ్యాయం (120 - 165)  
"నరవతుడగు నతమనకు" నుండి "దివ్యభూష నొలంకుత" వరకు

- కొడూరి గోపరాజు :-  
రావివాహన విజయం.  
సింహాసన దృష్టాంతిక - ఉత్తమ అధ్యాయం (115 - 165)  
"సజ్జిత దానధర్మ" నుండి "పల్ల విక్రమావృజ్జీన" వరకు

- గరిమెల్ల సత్యనారాయణ :- "మాతృభూష తెలుగురచనం"

- శ్రీశ్రీ :- "మహాప్రస్థానం"

- విమల :- చంటిల్లు "ఎంత అభ్యుత్తమైనది" నుండి "జెంటిలీ వంటగదులు" వరకు

\* \* \* \*

01. *U. K. Rao*

02. V. Paparao

## **Section IV**

### **CHILD DEVELOPMENT, PEDAGOGY, SCHOOL MANAGEMENT AND EVALUATION (50 MARKS)**

This section shall comprise of the different subjects taught under the B.Ed. programme. The total marks for this section shall be 50 and the questions shall cover all the components with proportional weightage to each section. The Section IV is compulsory for all candidates appearing the Paper-I examination.

### **CHILD DEVELOPMENT (PROCESS OF GROWING UP)**

#### **1. Growth and Development**

- Concept
- Difference
- Principles of Development
- Factors affecting Development (Nutrition, Intelligence, Psycho-social, Diseases, Injury etc.)

#### **2. Factors affecting different Developmental aspects**

- Cognitive
- Social (Erikson's Theory)
- Emotional
- Moral (Kohlberg Theory)
- Language Development
- Needs and Problems at Childhood and Adolescence

#### **3. Approaches to Understanding the Nature of Intelligence**

- Psychometric approach (Thurstone, Guilford, Gardener)
- Information Processing Approach – Sternberg
- Cognitive Development Approach – Piaget
- Social Constructivist Approach – Vygotsky

#### **4. Addressing Problems of Adolescence**

- Role of Teachers, Parents and Community
- Development of Self-concept of adolescents
- Counseling Services for the adolescents.

# **LEARNING PROCESS / PEDAGOGY**

## **1. Understanding the Learning Process**

- Learning as a process and an outcome
- Approaches – Humanistic (Karl Rogers)
- Constructivist (Piaget and Vygotsky)
- Basic conditions of Learning: Readiness, Maturation, Motivation, Task and Methods

## **2. Organizing Learning**

- Teacher-centric
- Learner-centric
- Learning-centric
- Characteristics and Process

## **3. Critical Pedagogy**

- Concept
- Characteristics / Features
- Stages
- Approaches

## **4. Addressing Classroom Diversity**

- Using varieties of TLMs
- Using Context of the learner
- Using Variety of activities while group learning, small group learning and independent learning
- Adopting curriculum to the needs of children with special needs multilingual education.

# **EDUCATIONAL MANAGEMENT**

## **1. Educational Management**

- Concept
- Importance
- Scope
- Types of Management
  - Democratic
  - Autocratic

- Centralized
- Decentralized
- Command and Control

## 2. Management Structure at different levels

- National
- State
- District
- Sub-district (BRCs, CRCs, SMCs, SMDC)

## 3. School Development Plan

- Concept
- Purpose
- Key actions : Headmaster, Teachers, Students, Parents and SMDC
- Steps in Planning for School Development
- Annual and Perspective Plan

## 4. School-based Management

- Concept / Meaning
- Why School-based Management ?
- Objectives
- Management of :
  - Curriculum
  - Physical Resources
  - Human Resources
  - Financial Resources
  - Community Resources
- Role of Headmasters, Teachers, Community

# **ASSESSING THE LEARNER / PERFORMANCE (EVALUATION)**

## 1. Assessment and Evaluation

- Assessment and evaluation in constructivists perspective
- Concept, Continuous and Comprehensive Evaluation, Formative, Summative and Diagnostic Assessment

## **2. Assessment and Learning**

- Assessment of Learning, Assessment for Learning, Assessment as Learning
- Subject-based learning in a constructivist perspective
- Assessment tools and techniques – Projects, Assignments, Observation, Teacher made Tests
- Self-assessment, Peer-assessment
- Portfolios, rubrics

## **3. Test Construction**

- Steps and principles of Test Construction
- Development of blue print
- Preparation of test items

## **4. Recent Developments in Assessment**

- Grading
- Assessment in co-scholastic area
- Implementation strategy of Continuous and Comprehensive Evaluation
- Recommendations of NCF – 2005

**DETAILED SYLLABUS FOR CATEGORY – II (PAPER – II)  
FOR PET ONLY**

**Section I  
LANGUAGE-I (MIL-ODIA)**

ଏହି ପାଠ୍ୟକ୍ରମରେ ପୂର୍ଣ୍ଣସଂଖ୍ୟା ୨୦ ଏବଂ ଏଥିପାଇଁ ୨୦ଟି ପ୍ରଶ୍ନ ରହିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର କ୍ରମସଂଖ୍ୟା କେବଳ ୧,୨,୩,୪, କ୍ରମରେ ୨୦ ଯାଏ ରହିବ । ପ୍ରତି ପ୍ରଶ୍ନସହ ୪ଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ । ତା' ମଧ୍ୟରୁ ସବୁଠାରୁ ଉପଯୁକ୍ତ ଉତ୍ତରଟିକୁ ବାଛିବାକୁ ହେବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ମୂଲ୍ୟ ୧ ନମ୍ବର ।

ପ୍ରଶ୍ନରେ ଶବ୍ଦ କିମ୍ବା ବାକ୍ୟ ପାଇଁ କ୍ରାଡ଼ା ସମ୍ବନ୍ଧୀୟ ଉଦାହରଣ ହେଲେ ଭଲ ।

୧. ଅବବୋଧ ପରୀକ୍ଷଣ : ପ୍ରାୟ ୧୫୦ ଶବ୍ଦ ବିଶିଷ୍ଟ କ୍ରାଡ଼ା ସମ୍ବନ୍ଧୀୟ ଏକ ଗଦ୍ୟ ଅନୁଚ୍ଛେଦ ପ୍ରଦାନ କରାଯାଇ ତା'ର ଆଧାରରେ ୫ଟି ପ୍ରଶ୍ନ କରାଯିବ । ପ୍ରତି ପ୍ରଶ୍ନର ଝରିଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ ଓ ପରୀକ୍ଷାର୍ଥୀ ତା' ଭିତରୁ ସବୁଠାରୁ ଉପଯୁକ୍ତ ଉତ୍ତରଟିକୁ ବାଛିବେ । (1 x 5)
୨. ପନ ନିର୍ଣ୍ଣୟ - ଗୋଟିଏ ନିର୍ଦ୍ଦିଷ୍ଟ ବାକ୍ୟ ଦିଆଯାଇ, ତହିଁରୁ ଗୋଟିଏ ପଦକୁ ରେଖାଙ୍କିତ କରି ସେହି ପଦଟିକୁ ଚିହ୍ନାଇବାକୁ ପ୍ରଶ୍ନକରାଯିବ । ଏଥିପାଇଁ ଝରିଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ । ପରୀକ୍ଷାର୍ଥୀ ଠିକ୍ ଉତ୍ତରଟି ବାଛିବେ । ଏହି ପରି ବିଶେଷ୍ୟ, ସର୍ବନାମ, ବିଶେଷଣ, ଅବ୍ୟୟ, କ୍ରିୟାପଦ ଇତ୍ୟାଦି ୫ ପ୍ରକାର ମଧ୍ୟରୁ ୨ ପ୍ରକାରର ୨ଟିକୁ ଚିହ୍ନାଇବାକୁ ହେବ । ଭିନ୍ନ ଭିନ୍ନ ୨ଟି ବାଖ୍ୟ ମାଧ୍ୟମରେ ୨ଟି ପ୍ରଶ୍ନ କରାଯିବ । (1 x 2)
୩. ବାକ୍ୟ ପରିଚିତ : ସରଳ, ଯୌଗିକ ଓ ଜଟିଳ ବାକ୍ୟ କିମ୍ବା ଦୁଇ ପ୍ରକାର ବାକ୍ୟର ମିଶ୍ରରୂପ ଭିତରୁ ଯେକୌଣସି ବାକ୍ୟଟିଏ ପ୍ରଶ୍ନରେ ଦେଇ ତାହାର ପ୍ରକାର ଚିହ୍ନାଇବାକୁ କୁହାଯିବ । ସମ୍ଭାବନା ସ୍ୱରୂପ ୪ ପ୍ରକାର ଉତ୍ତର ଦିଆଯିବ । ତାହା ମଧ୍ୟରୁ ଗୋଟିକୁ ବାଛିବାକୁ ହେବ । (1 x 1)
୪. ସାଧାରଣ ଅଶୁଦ୍ଧି - ବାକ୍ୟ - ତିନୋଟି ଅଶୁଦ୍ଧ ବାକ୍ୟ ସହିତ ଗୋଟିଏ ଶୁଦ୍ଧବାକ୍ୟ ଦିଆଯାଇ ଶୁଦ୍ଧବାକ୍ୟଟିକୁ ବାରିବାକୁ କୁହାଯିବ । (1 x 1)
୫. ସାଧାରଣ ଅଶୁଦ୍ଧି - ଶବ୍ଦ - ତିନୋଟି ଅଶୁଦ୍ଧ ରୂପସହ ଗୋଟିଏ ଶୁଦ୍ଧରୂପ ଦିଆଯାଇ ଶୁଦ୍ଧରୂପଟି ବାଛିବାକୁ ଦିଆଯିବ । ଏହିପରି ୨ଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । (1 x 2)
୬. ରୂଢ଼ି - ୨ଟି ପ୍ରଶ୍ନ ଦିଆଯାଇ ପ୍ରତ୍ୟେକର ଝରିଟି ସମ୍ଭାବ୍ୟ ଅର୍ଥ ଦିଆଯିବ । ଠିକ୍ ଉତ୍ତର ବାଛିବାକୁ ନିର୍ଦ୍ଦେଶ ରହିବ । (1 x 2)
୭. ଅଳଙ୍କାର - ଅନୁପ୍ରାସ, ଉପମା, ଉତ୍ପ୍ରେକ୍ଷା, ବ୍ୟତିରେକ, ଶ୍ଳେଷ-୫ଟି ପ୍ରଶ୍ନ କରାଯିବ । ସମ୍ଭାବ୍ୟ ୪ଟି ଉତ୍ତରରୁ ବାଛିବାକୁ ହେବ । (1 x 2)
୮. କୃଦନ୍ତ : ଗୋଟିଏ କୃଦନ୍ତ ନିଷ୍କନ୍ ପଦ ଗଠନ କିମ୍ବା ପ୍ରତ୍ୟୟ ଚିହ୍ନାଇବାକୁ ପ୍ରଶ୍ନକରାଯିବ । ୪ଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯାଇ ଠିକ୍ ଉତ୍ତରଟି ବାଛିବାକୁ ନିର୍ଦ୍ଦେଶ ରହିବ । (1 x 1)

୯. ଚର୍ଚ୍ଚିତ : ଗୋଟିଏ ଚର୍ଚ୍ଚିତ ନିଷ୍ପନ୍ନ ଦିଆଯାଇ ପ୍ରତ୍ୟୟ ନିର୍ଣ୍ଣୟ କିମ୍ବା ଭିନ୍ନ ଭିନ୍ନ ୪ଟି ଶବ୍ଦ ମଧ୍ୟରୁ ଚର୍ଚ୍ଚିତ ନିଷ୍ପନ୍ନ ଠିକ୍ ଶବ୍ଦଟିଏ ରଖି ଚିହ୍ନାଇବାକୁ କୁହାଯିବ । (1 x 1)
୧୦. ସମାସ : ତତ୍ପୁରୁଷ, କର୍ମଧାରୟ, ବହୁବ୍ରାହି, ଦ୍ୱିଧା, ଦ୍ୱନ୍ଦ୍ୱ, ଅବ୍ୟୟୀଭାବ ସମାସମଧ୍ୟରୁ ୨ଟି ପ୍ରଶ୍ନ କରାଯାଇ କିମ୍ବା ବ୍ୟାସବାକ୍ୟ ଦିଆଯାଇ ସମାସ ନିଷ୍ପନ୍ନ ପଦ ନିର୍ଣ୍ଣୟ କରିବାକୁ ଦିଆଯିବ । ଏଥିପାଇଁ ପ୍ରତିଟିର ୪ଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ପ୍ରଦାନକରି ଠିକ୍‌ଟିକୁ ବାଛିବାକୁ ନିର୍ଦ୍ଦେଶ ରହିବ । (1 x 2)
୧୧. ବିଭକ୍ତି : ବାକ୍ୟଟିଏ ଦିଆଯାଇ ସେଥିରୁ ରେଖାଙ୍କିତ ପଦର ବିଭକ୍ତି ଚିହ୍ନାଇବାକୁ କୁହାଯିବ ଏବଂ ଏଥିପାଇଁ ୪ଟି ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ । (1 x 1)

**Section-II** – Language-II (English) same as Paper-I (20 Marks)

**Section-III** – Contents of C.P.Ed. and B.P.Ed. Course (60 Marks)

### **Section – III** **PHYSICAL EDUCATION**

#### **1. Principle and History of Physical Education**

**10 Marks**

- Meaning, Objectives, Aims of Physical Education
- Relationship of Physical Education to General Education, Health Education and Recreation
- Importance of Physical Exercise, Physical Training and Physical Culture
- Physical Education as a Socializing agencies
- Leadership and its importance, qualification and qualities of a Physical Education Teacher
- Contribution of Physical Education Teachers to General Education
- Scout and Guides, NCC, JRC, SGFI, NFC and its contributions
- Contribution of Yoga in modern civilization
- Olympics and Asian Games
- Teachers Training and Professional preparation in Physical Education

#### **2. Sports Psychology**

**10 Marks**

- Meaning and importance in Physical Education
- Mental Process – Body, Mind, Relationship and Neuro-muscular coordination
- Transfer of training, Theories of Play, Learning processes and play way in Education
- Individual differences as personality, mental hygiene and child guidance
- Discipline and behaviour : Nature and Development



### **3. Organization, Administration and Recreation**

**10 Marks**

- Importance, objectives and guiding principles
- Construction and care of gymnasium and swimming pools
- Preparation of different playground
- Need, purchase and maintenance of sports equipments and maintenance of different registers and records
- Preparing time table and factor affecting time table in Physical Education and Sports
- Scheduling school sports, Problem in school sports, Interamural and extramural competitions
- Preparation of Budget, accounting and auditing
- Importance of Recreation in Human life

### **4. Anatomy Physiology and Health Education**

**10 Marks**

- Joints structure, Types and Movements of the Joints, Importance of Good Posture and Remedies of Bad Posture
- Effect of regular activities on muscles, heart and respiratory system
- Fatigue, its causes and remedies
- Blood pressure, oxygen debt, second wind
- Importance of health education and the role of Physical Education Teachers in School Health Programme
- Medical Examination, effects of narcotics and drugs
- Nutrition and importance of diet for players and athletes
- Different diseases and their symptoms, detection care and prevention of diseases like Cholera, Diarrhea, Chicken Pox, Measles, Tetanus, Diphtheria and Malaria

### **5. Methods of Physical Education**

**10 Marks**

- Meaning, Scope and Importance of Methods in Physical Education
- Drill and Marching Commands, Teaching aids, various methods of teaching physical activities, Games, Sports and Indigenous activities.
- Various Tournaments and Competitions
- Test, Measurement and Evaluation in Physical Education, National Physical Efficiency Test
- Layout of the track and field events and different play grounds
- Demonstration and Exhibitions, Awards and Incentives
- Lesson Planning – General and Specific

## **6. Officiating and Coaching**

**10 Marks**

- The qualities of a good officials, relation of official with management, coaches, players and spectators
- Duties of the officials
- Promoting and maintaining different games, publicity, arrangement of training camps and schedules
- Conditioning of players and teams – General, Fundamental, Workload
- Warming up – Types and Values
- Various training methods – Isometric and Isotonic exercises, Circuit training, Weight Training, Fartlek Training and Interval Training
- Play of various positions in Games
- Officiating of different games and track and field events – its rules, signals and positional play
- Track and Field events, Major games like Kho-Kho, Kabaddi, Volleyball, Football, Basket ball, Soft ball, Cricket, Hockey and Badminton

***Paper-II***

***Section-IV***

***For PET only***

## **CHILD DEVELOPMENT, PEDAGOGY, SCHOOL MANAGEMENT AND EVALUATION (50 MARKS)**

### **1. Child Development**

- Meaning of growth and development
- Different stages of development
- Physical, Mental, Emotional and Social Development of a child
- General characteristics of various stages of growth and development of a child

### **2. Pedagogy**

- Teaching techniques (Lecture method, Demonstration Method, Discussion Method and Project method etc.)
- Important devices and methods of teaching
- Teaching procedure – whole method, part method, whole and part method
- Difference between teaching methods and teaching aids

### **3. School Management and Evaluation**

- School Management
- Programme Planning, Principles of Programme Planning in Physical Education
- Function of Planning – organization of school sports coordination and contracting of Physical Education activities
- Evaluation of School Physical Education activities and School Health Education Programme