| Roll. No | | | | | | | | Question Booklet Number |
|-------------------|--|--|--|--|--|--|--|-------------------------|
| O.M.R. Serial No. | | | | | | | | |

M.Sc. (SEM.-IV) (NEP) (SUPPLE.)EXAMINATION, 2024-25 ZOOLOGY

(Molecular Endocrinology)

| | I | Pap | er | C | od | e | |
|---|---|-----|----|---|----|---|---|
| В | 0 | 5 | 1 | 0 | 0 | 9 | T |

Time: 1:30 Hours

Question Booklet Series

A

Max. Marks: 75

Instructions to the Examinee :

- Do not open the booklet unless you are asked to do so.
- The booklet contains 100 questions.
 Examinee is required to answer 75 questions in the OMR Answer-Sheet provided and not in the question booklet.
 All questions carry equal marks.
- Examine the Booklet and the OMR
 Answer-Sheet very carefully before you proceed. Faulty question booklet due to missing or duplicate pages/questions or having any other discrepancy should be got immediately replaced.
- 4. Four alternative answers are mentioned for each question as A, B, C & D in the booklet. The candidate has to choose the correct / answer and mark the same in the OMR Answer-Sheet as per the direction:

(Remaining instructions on last page)

परीक्षार्थियों के लिए निर्देश :

- प्रश्न-पुस्तिका को तब तक न खोलें जब तक आपसे कहा न जाए।
- 2. प्रश्न-पुस्तिका में 100 प्रश्न हैं। परीक्षार्थी को 75 प्रश्नों को केवल दी गई OMR आन्सर-शीट पर ही हल करना है, प्रश्न-पुस्तिका पर नहीं। सभी प्रश्नों के अंक समान हैं।
- उ. प्रश्नों के उत्तर अंकित करने से पूर्व प्रश्न-पुस्तिका तथा OMR आन्सर-शीट को सावधानीपूर्वक देख लें। दोषपूर्ण प्रश्न-पुस्तिका जिसमें कुछ भाग छपने से छूट गए हों या प्रश्न एक से अधिक बार छप गए हों या उसमें किसी अन्य प्रकार की कमी हो, उसे तुरन्त बदल लें।
- प्रश्न-पुस्तिका में प्रत्येक प्रश्न के चार सम्भावित उत्तर- A, B, C एवं D हैं। परीक्षार्थी को उन चारों विकल्पों में से सही उत्तर छाँटना है। उत्तर को OMR उत्तर-पत्रक में सम्बन्धित प्रश्न संख्या में निम्न प्रकार भरना है:

(शेष निर्देश अन्तिम पृष्ठ पर)

| 1. | The sm | allest known peptide hormone is | : | | (C) | Amount of substrate | |
|-------|---------|---------------------------------|----|----|--------------|-------------------------------------|--|
| | (A) | Oxytocin | | | (D) | Temperature | |
| | (B) | Vasopressin | | 6. | Sandw | rich ELISA differs from competitive | |
| | (C) | Angiotensin II | | | ELISA as it: | | |
| | (D) | Somatostatin | | | (A) | Requires only one antibody | |
| 2. | Which | group of hormones is soluble | in | | (B) | Detects antigen | |
| | | without carrier proteins? | | | (C) | Does not use an enzyme | |
| | (A) | Steroids | | | (D) | Works only for hormones | |
| | (B) | Thyroid Hormones | | 7. | Advan | tage of ELISA over RIA is : | |
| | (C) | Peptide Hormones | | | (A) | Higher accuracy | |
| | (D) | Retinoids | | | (B) | Non-radioactive waste | |
| 3. | Precurs | or for thyroid hormone is : | | | (C) | Works only for DNA | |
| | (A) | Glycine | | | (D) | Needs fewer antibodies | |
| | (B) | Tyrosine | | 8. | The te | chnique which separates molecules | |
| | (C) | Phenyl alanine | | | based | on size and charge is : | |
| | (D) | Serine | | | (A) | Northern blot | |
| 4 | | | | | (B) | Electrophoresis | |
| 4. | | n Blotting is used to detect : | | | (C) | RIA | |
| | (A) | RNA | | | (D) | ELISA | |
| | (B) | Proteins | | 9. | Best | method for real time hormone gene | |
| | (C) | DNA | | | expres | sion study is : | |
| | (D) | Metabolites | | | (A) | q PCR | |
| 5. | In RIA, | sensitivity mainly depends on : | | | (B) | HPLC | |
| | (A) | Enzyme concentration | | | (C) | RIA | |
| | (B) | Specificity of antibody | | | (D) | SDS-PAGE | |
| B0510 | 09T-A/ | 36 | (3 |) | | [P.T.O.] | |

| 10. | Immuno-histochemistry provides : | | | | (C) | Storage in vesicles before release | |
|-------|---------------------------------------|------------------------------------|-----|-----|--------------------------------------|-------------------------------------|--|
| | (A) | Quantitative hormone data | | | (D) | Ability to diffuse across membranes | |
| | (B) | Spatial localization in tissues | | 15. | In ele | ectrophoresis proteins migrate | |
| | (C) | DNA fingerprinting | | | according to: | | |
| | (D) | Enzyme kinetics | | | (A) | Size | |
| 11. | RDT in | endocrinology is mainly used for | : | | (B) | Charge to mass ratio | |
| | (A) Producing therapeutic hormones | | 6 | | (C) | Shape | |
| | (B) | Gene editing | | | (D) | Density | |
| | (C) | Protein folding studies | | 16. | Monoclonal antibody is produced by : | | |
| | (D) | Hormone transport | | | (A) | Single immune cell clone | |
| 12. | Probe i | used in ISH is : | | | (B) | Mixed immune cells | |
| | (A) | Antigen | | | (C) | Plasma protein fractionation | |
| | (B) | Antibody | | | (D) | Recombinant bacteria only | |
| | (C) | Labeled DNA / RNA | | 17. | Which | one is not an amine? | |
| | (D) | Enzyme | | | (A) | Thyroxine | |
| 13. | | prize for Insulin discovery wa | as | | (B) | Epinephrine | |
| | awarde | d to : | | | (C) | Melatonin | |
| | (A) | Watson and Crick | | | (D) | Cortisol | |
| | (B) | Brown and Goldstein | | 18. | Which | technique does not require nucleic | |
| | (C) | Sanger and Gilbert | | - | acids? | | |
| | (D) | Banting and Macleod | | | (A) | Western Blot | |
| 14. | · | uishing feature between steroid an | nd | | (B) | Northern Blot | |
| | peptide | hormones is : | | | (C) | Southern Blot | |
| | (A) |) Short half life | | | (D) | PCR | |
| | (B) Interaction with surface receptor | | 8 | | (5) | . 5.1 | |
| B0510 | 09T-A/ | 36 | (4) |) | | | |

| 19. | molecular mass precisely? | | | expression analysis ? | | |
|-----|---------------------------|--|-----|---|---|--|
| | (A) | ELISA | | (A) | RIA | |
| | (B) | Mass spectrometry | | (B) | Micro assay | |
| | (C) | PCR | | (C) | Single cell RNA - seq. | |
| | (D) | Northern Blot | | (D) | HPLC | |
| 20. | Autora in : | diography in endocrinology helps | 24. | | cal used in agarose gel to visualize acid is: | |
| | (A) | Protein folding | | (A) | Ethidium Bromide | |
| | (B) | DNA sequencing | | (B) | Sudan Black | |
| | (C) | Receptor trafficking | | (C) | EDTA | |
| | (D) | Visualizing radioactive hormones in | | (D) | Coomassie blue | |
| 21. | Which | tissues hormone is stored in granules before | 25. | Which hormone is derived from cholesterol but stored minimally? | | |
| | release | 9? | | (A) | Testosterone | |
| | (A) | Cortisol | | (B) | Insulin | |
| | (B) | Testosterone | | (C) | FSH | |
| | (C) | Insulin | | (D) | LH | |
| | (D) | Aldosterone | 26. | Endoc | rine signalling is distinct from | |
| 22. | A Hybr | idoma cell is fusion of : | | autocri | ne because it : | |
| | (A) | B cell and T cell | | (A) | travels via circulation | |
| | (B) | B cell and Myeloma cell | | (B) | is rapid | |
| | (C) | Neuron and Myeloma cell | | (C) | acts on same cell | |
| | (D) | Stem cell and Macrophage | | (D) | uses peptides | |
| | | | | | | |

| 27. | Knock ithey: | n mice differ from knock out in that | 31. | The insulin receptor belongs to : | | |
|-----|--------------|--------------------------------------|-----|--|----------------------------------|--|
| | (A) | Remove a gene | | (A) | G-protein coupled receptor | |
| | (B) | Silence RNA | | (B) | In channel receptor | |
| | (C) | Insert a specific gene | | (C) | Tyrosine kinase receptor | |
| | (D) | Delete promoter regions only | | (D) | Nuclear receptor | |
| 28. | Which o | one is anti–androgenic? | 32. | Which second messenger is formed from ATP? | | |
| | (A) | Pthalates | | | | |
| | (B) | ВРА | | (A) | cAMP | |
| | (C) | DDT | | (B) | DAG | |
| | (D) | Atrazine | | (C) | IPB | |
| 29. | Which | method can be used for DNA | | (D) | cGMP | |
| | sequencing? | | 33. | Receptors for thyroid hormones are located | | |
| | (A) | ELISA | | in : | | |
| | (B) | RIA | | (A) | Cytoplasm | |
| | (C) | Sanger's method | | (B) | Nucleus | |
| | (D) | HPLC | | (C) | Plasma lemma | |
| 30. | Which (| gland is controlled by hypothalamic | | (D) | Mitochondria | |
| | releasir | ng hormones? | 34. | Which i | is a ligand gated ion channel? | |
| | (A) | Thyroid | | (A) | TSH receptor | |
| | (B) | Adrenal | | (B) | Insulin receptor | |
| | (C) | Pituitary | | (C) | Glucocorticoid receptor | |
| | (D) | Parathyroid | | (D) | Nicotinic acetylcholine receptor | |

| 35. | GPCRs | activate adenylate cylase through: | 39. | Which intracellular signalling molecule activates protein Kinase C? | | |
|-----|--------|---------------------------------------|-----|---|--------------------------------------|--|
| | (A) | G _q protein | | | | |
| | (B) | G _i protein | | (A) | DAG | |
| | (C) | G ₁₂ protein | | (B) | IP3 | |
| | (D) | G _s protein | | (C) | cGMP | |
| 36. | | init of a G-protein binds : | | (D) | cAMP | |
| | (A) | GTP | 40. | Steroid hormone receptors belong to : | | |
| | (B) | ATP | | (A) | Tyrosine kinase family | |
| | (C) | Calcium | | (B) | Nuclear receptor | |
| | (D) | Sodium | | (C) | GPCR family | |
| 37. | | second messenger mobilizes | | (D) | lon channel family | |
| 01. | | from ER stores? | 41. | Which | feedback loop is typical in LH surge | |
| | (A) | IP3 | | before ovulation? | | |
| | (B) | DAG | | (A) | Short loop negative feedback | |
| | (C) | cAMP | | (B) | Long loop negative feedback | |
| | (D) | cGMP | | (C) | Positive feedback | |
| 38. | | ack control of cortisol on ACTH is an | | (D) | Autocrine loop | |
| | exampl | | 42. | Which | receptor type undergoes | |
| | (A) | Positive feedback | | dimeriz | ration after hormone binding? | |
| | (B) | Negative feedback | | (A) | GPCR | |
| | (C) | Autocrine regulation | | (B) | Tyrosine kinase | |
| | (D) | Paracrine signalling | | (C) | Ligand-gates Ion channel | |
| | · / | , , | | (D) | GABA | |
| | | | | | | |

| 43. | The intr | 47. | TSH receptor belongs to : | | | |
|-----|-----------|---|---------------------------|--|--------------------------------------|--|
| | affects | | | (A) | lon channel receptor | |
| | (A) | DNA transcription | | (B) | GPCR family | |
| | (B) | Enzyme phosphorylation | | (C) | Nuclear receptor family | |
| | (C) | RNA splicing | 48. | (D) | Enzyme linked receptor | |
| | (D) | Protein folding | | | • | |
| 44. | | ne which acts via cGMP as second nger is? | | Feedback control of oxytocin during childbirth is: | | |
| | (A) | Vasopressin | | (A) | Negative feedback | |
| | (B) | ANP | | (B) | Positive feedback | |
| | (C) | Glucagon | | (C) | Feed forward inhibition | |
| | (D) | Epinephrine | | (D) | Autocrine inhibition | |
| 45. | Signal a | amplification is characteristic of : | 49. | Molecu | le which terminates cAMP signalling? | |
| | (A) | Direct ion transport | | (A) | Adenylate cyclase | |
| | (B) | Hormone storage granules | | (B) | Protein kinase A | |
| | (C) | DNA methylation | | (C) | Phospho diesterase | |
| | (D) | G protein coupled receptor | | (D) | Calmodulin | |
| | | pathways | 50. | Insulin | receptor phosphorylates : | |
| 46. | First ste | ep after ligand binding to GPCR is : | | (A) | Tyrosine residues | |
| | (A) | Phosphorylation of receptor | | (B) | Serine residues | |
| | (B) | Protein kinase Activation | | (C) | Threonine residues | |
| | (C) | GDP-GTP exchange on Ga | | | | |
| (D) | (D) | Calcium release | | (D) | Histidine residues | |

| 51. | | pathway is activated by growne receptor? | th 5 | 5. | | normone receptor is associated with before activation? |
|-------|--|--|------------|-----|----------|--|
| | (A) | MAPK pathway | | | (A) | Progesterone receptor |
| | (B) | IP3-DAG pathway | | | (B) | GH receptor |
| 52. | (C) | JAK-STAT pathway | | | (C) | Insulin receptor |
| | (D) | PI3K pathway | | | (D) | Prolactin receptor |
| | Which hormone receptor is cytoplasmic before activation? | | | 6. | | itization of GPCRs often involves : |
| | (A) | Estrogen receptor | | | (A) | Increased ligand binding |
| | (B) | Glucocorticoid receptor | | | (B) | Receptor phosphorylation |
| | | Thyroid receptor | | | (C) | DNA methylation |
| | (C) | | | | (D) | RNA splicing |
| | (D) | Retinoic acid receptor | 5 | 57. | Which | second messenger system is |
| 53. | Which _I | Which protein serves as a molecular switch | | | directly | linked with nitric oxide signalling? |
| | by cycl | by cycling between GTP and GDP forms? | | | (A) | IP3-DAG |
| | (A) | Adenylate Cyclase | | | (B) | cAMP |
| | (B) | G-protein | | | (C) | cGMP |
| | (C) | Protein Kinase | | | (D) | JAK-STAT |
| | (D) | Phospholipase C | 5 | 8. | Which | hormone mainly activates tyrosine |
| 54. | Autocri | ne signaling means hormone act | s : | | kinase | receptors? |
| | (A) | on same cell | | | (A) | Insulin |
| | (B) | on adjacent cells | | | (B) | T_{3} |
| | (C) | at a distant site | | | (C) | Cortisol |
| | (D) | via blood stream | | | (D) | Testosterone |
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| 59. | Example of paracrine signalling : | | | Second messenger cAMP is degraded | | |
|-----|-----------------------------------|---|-----|-----------------------------------|--------------------------------|--|
| | (A) | Estrogen on ovary cells | | by: | | |
| | (B) | TSH on thyroid gland | | (A) | Kinase | |
| | (C) | GH on liver cells | | (B) | Phosphodiesterase | |
| | (D) | Insulin on muscle | | (C) | Cyclase | |
| 60. | Which r | eceptor acts as a transcription factor | | (D) | Synthase | |
| | upon liç | gand binding? | 64. | | DAG are produced from cleavage | |
| | (A) | Insulin receptor | | of: | | |
| | (B) | GH receptor | | (A) | ATP | |
| | (C) | TSH receptor | | (B) | GTP | |
| | (D) | Glucocorticoid receptor | | (C) | PIP2 | |
| 61. | | normone stimulates ovulation? | | (D) | RNA | |
| | (A) | LH | 65. | | second messenger increasers | |
| | (B) | FSH | | (A) | cAMP | |
| | (C) | Estrogen | | (B) | DAG | |
| | (D) | Progesterone | | (C) | cGMP | |
| 62. | Which reabsor | hormone regulates sodium ption in kidney? | | (D) | IP3 | |
| | (A) | Cortisol | 66. | G prote | in is activated when : | |
| | (B) | Aldosterone | | (A) | GDP binds | |
| | (C) | Insulin | | (B) | GTP binds | |
| | (D) | GH | | (C) | ATP binds | |
| | (0) | | | (D) | ADP binds | |
| | | | | | | |

| 67. | Action | of steroid hormones is generally: | 71. | Which | protein is phosphorylated by PKC? | | |
|-----|------------------|-------------------------------------|-----|-----------------|-------------------------------------|--|--|
| | (A) | Slow and long lasting | | (A) | Tyrosine Kinase | | |
| | (B) | Rapid and short lived | | (B) | Membrane proteins | | |
| | (C) | Rapid and long lasting | | (C) | Cytoplasmic proteins | | |
| | (D) | Reversible | | (D) | All of the above | | |
| 68. | Which signalling | protein terminates G protein ng? | 72. | Termina by : | ation of hormone action is achieved | | |
| | (A) | GTpase | | (A) | Hormone degradation | | |
| | (B) | Kinase | | (B) | Receptor down regulation | | |
| | (C) | Adenylate cyclase | | (C) | Second messenger breakdown | | |
| | (D) | Phospholipase | | (D) | All of the above | | |
| 69. | Which | one is not a second messenger? | 73. | | hormone receptor works as a | | |
| | (A) | cAMP | | transcri | transcription factor? | | |
| | (B) | DAG | | (A) | GPCR | | |
| | (C) | IP3 | | (B) | Nuclear receptor | | |
| | (D) | ATP | | (C) | Ion channel receptor | | |
| 70. | Which | hormone acts through intracellular | | (D) | Tyrosine kinase receptor | | |
| | recepto | r? | 74. | Calmod | lulin is activated by : | | |
| | (A) | Epinephrine | | (A) | DAG | | |
| | (B) | Cortisol | | (B) | IP3 | | |
| | (C) | Insulin | | (C) | Ca ²⁺ | | |
| | (D) | Glucagon | | (D) | cAMP | | |
| | | | | | | | |

| 75. | Which second messenger is responsible | | | Gq protein activates : | | |
|-----|---------------------------------------|---------------------------------------|-----|---|--------------------------------------|--|
| | for sm | ooth muscle relaxation? | | (A) | Adenylate cyclase | |
| | (A) | cAMP | | (B) | Phospholipase cyclase | |
| | (B) | cGMP | | (C) | MAP kinase | |
| | (C) | IP3 | | (D) | Tyrosine kinase | |
| | (D) | DAG | 80. | Binding | g site for steroid hormone on DNA is | |
| 76. | Enzym | e that converts GTP to cGMP is : | | called | : | |
| | (A) | Adenylate cyclase | | (A) | Promoter | |
| | (B) | Guanylate cyclase | | (B) | Operator | |
| | (C) | Kinase | | (C) | Hormone Response Element | |
| | (D) | Phosphatase | | (D) | (HRE) | |
| 77. | Which | protein directly activates MAP Kinase | 81. | (D) | Enhancer | |
| | pathwa | • | | Which signalling molecule can diffuse across membranes? | | |
| | (A) | Ras | | (A) | cAMP | |
| | (B) | Gs | | | | |
| | (C) | Gi | | (B) | Nitric oxide | |
| | (D) | Rho | | (C) | DAG | |
| 78. | Which | hormone action involves JAK-STAT | | (D) | IP3 | |
| | signall | ing? | 82. | Which | hormone is called "Love Hormone"? | |
| | (A) | Insulin | | (A) | Oxytocin | |
| | (B) | GH | | (B) | Prolactin | |
| | (C) | Epinephrine | | (C) | Vasopressin | |
| | (D) | Cortisol | | (D) | Testosterone | |
| | | | | | | |

(12)

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| 83. | Seasonal reproduction in mammals is regulated by : | | is | | (C) | Days |
|---------------|--|--------------------------|----|-----|---|---------------------------|
| | | | | | (D) | Weeks |
| | (A) | Cortisol | | 88. | Hormone associated with maternal bonding | |
| | (B) | (B) Prolactin | | | behaviour is : | |
| | (C) | Melatonin | | | (A) | Prolactin |
| | (D) | Estrogen | | | (B) | Oxytocin |
| 84. | Hormone related with stress response is : | | 3: | | (C) | Estrogen |
| | (A) | Cortisol | | | (D) | GH |
| | (B) | Insulin | | 89. | Hormonal contraceptives mainly use : | |
| | (C) | GH | | | (A) | Progesterone and estrogen |
| | (D) | Thyroxine | | | (B) | Cortisol and aldosterone |
| 85. | Endocrine disruptor Bisphenol A mimics : | | : | | (C) | GH and prolactin |
| | (A) | Androgen | | | (D) | Oxytocin and vasopressin |
| | (B) | Estrogen | | 90. | Anabolic steroids are synthetic derivatives | |
| | (C) | Cortisol | | | of: | |
| | (D) | Glucagon | | | (A) | Estrogen |
| 86. | Pharmacokinetics of hormones include : | | | | (B) | Testosterone |
| | (A) | Absorption | | | (C) | Cortisol |
| | (B) | Distribution | | | (D) | Progesterone |
| | (C) | Metabolism and excretion | | 91. | Effect of hormone does on response is best | |
| | (D) | All of the above | | | • | ed by : |
| | Half life of peptide hormones in plasma | | is | | (A) | Michaelis-menten kinetics |
| | generally: | | | | (B) | Dose response curve |
| | (A) | Seconds to minutes | | | (C) | Line weaves-bank not |
| | (B) | Hours | | | (D) | First order kinetics |
| B051009T-A/36 | | (13 |) | | [P.T.O.] | |

| 92. | | ch hormone is widely used as | | (C) | Injectible progesterone | |
|---------------|--|------------------------------|------|--|------------------------------------|--|
| | emergency contraceptive? | | | (D) | Copper T IUD | |
| | (A) | Estrogen | 97. | Which | hormone is used to manage post | |
| | (B) | Cortisol | | menopausal symptoms? | | |
| | (C) | Levonorgestrel | | (A) | Estrogen | |
| | (D) | Testosterone | | (B) | Insulin | |
| 93. | Furminization of fish in polluted water is due | | | . , | Cortisol | |
| | to: | | | (C) | | |
| | (A) | DDT | | (D) | Melatonin | |
| | (B) | Atrazine | 98. | Erythropoietin is used in treatment of : | | |
| | (C) | PCB | | (A) | Anaemia | |
| | (D) | Bisphenol A | | (B) | Diabetes | |
| 94. | Which hormone regulates appetite? | | | (C) | Thyroid disorder | |
| | (A) | Leptin | | (D) | Osteoporosis | |
| | (B) | Insulin | 99. | | enzyme metabolizes steroid | |
| | (C) | Cortisol | 33. | | hormone in liver? | |
| | (D) | Thyroxine | | (A) | Cytochrome P 450 | |
| 95. | Which hormone analog is used to induce ovulation in infertility treatment? | | | (B) | Kinase | |
| | (A) | GnRH analog | | (C) | Lysozyme | |
| | (B) | Insulin analog | | (D) | Transferred | |
| | (C) | Prolactin analog | 100. | Which | hormone is used in pregnancy test? | |
| | (D) | Cortisol analog | | (A) | Estrogen | |
| 96. | Which is not a hormonal contraceptive method? | | | (B) | Progesterone | |
| | (A) | Oral Pills | | (C) | hCG | |
| | (B) | Hormone releasing IUD | | (D) | Prolactin | |
| B051009T-A/36 | | /36 (14 | 4) | | | |

Rough Work / रफ कार्य

Example:

Question:

- Q.1 **A © D**
- Q.2 **A B O**
- Q.3 (A) (C) (D)
- Each question carries equal marks.
 Marks will be awarded according to the number of correct answers you have.
- All answers are to be given on OMR Answer Sheet only. Answers given anywhere other than the place specified in the answer sheet will not be considered valid.
- 7. Before writing anything on the OMR Answer Sheet, all the instructions given in it should be read carefully.
- 8. After the completion of the examination, candidates should leave the examination hall only after providing their OMR Answer Sheet to the invigilator. Candidate can carry their Question Booklet.
- 9. There will be no negative marking.
- 10. Rough work, if any, should be done on the blank pages provided for the purpose in the booklet.
- 11. To bring and use of log-book, calculator, pager & cellular phone in examination hall is prohibited.
- 12. In case of any difference found in English and Hindi version of the question, the English version of the question will be held authentic.

Impt. On opening the question booklet, first check that all the pages of the question booklet are printed properly. If there is any discrepancy in the question Booklet, then after showing it to the invigilator, get another question Booklet of the same series.

उदाहरण :

प्रश्न :

प्रश्न 1 (A) ● (C) (D)

प्रश्न 2 (A) (B) ■ (D)

प्रश्न 3 **A ● C D**

- प्रत्येक प्रश्न के अंक समान हैं। आपके जितने उत्तर सही होंगे, उन्हीं के अनुसार अंक प्रदान किये जायेंगे।
- सभी उत्तर केवल ओ०एम०आर० उत्तर-पत्रक (OMR Answer Sheet) पर ही दिये जाने हैं। उत्तर-पत्रक में निर्धारित स्थान के अलावा अन्यत्र कहीं पर दिया गया उत्तर मान्य नहीं होगा।
- 7. ओ॰एम॰आर॰ उत्तर-पत्रक (OMR Answer Sheet) पर कुछ भी लिखने से पूर्व उसमें दिये गये सभी अनुदेशों को सावधानीपूर्वक पढ़ लिया जाये।
- 8. परीक्षा समाप्ति के उपरान्त परीक्षार्थी कक्ष निरीक्षक को अपनी OMR Answer Sheet उपलब्ध कराने के बाद ही परीक्षा कक्ष से प्रस्थान करें। परीक्षार्थी अपने साथ प्रश्न-पुस्तिका ले जा सकते हैं।
- 9. निगेटिव मार्किंग नहीं है।
- 10. कोई भी रफ कार्य, प्रश्न-पुस्तिका में, रफ-कार्य के लिए दिए खाली पेज पर ही किया जाना चाहिए।
- परीक्षा-कक्ष में लॉग-बुक, कैल्कुलेटर, पेजर तथा सेल्युलर फोन ले जाना तथा उसका उपयोग करना वर्जित है।
- 12. प्रश्न के हिन्दी एवं अंग्रेजी रूपान्तरण में भिन्नता होने की दशा में प्रश्न का अंग्रेजी रूपान्तरण ही मान्य होगा।

महत्वपूर्णः प्रश्नपुस्तिका खोलने पर प्रथमतः जाँच कर देख लें कि प्रश्नपुस्तिका के सभी पृष्ठ भलीभाँति छपे हुए हैं। यदि प्रश्नपुस्तिका में कोई कमी हो, तो कक्षनिरीक्षक को दिखाकर उसी सिरीज की दूसरी प्रश्नपुस्तिका प्राप्त कर लें।