

Roll No.

Question Booklet Number

O. M. R. Serial No.

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Question Booklet Number

M. Sc. (Microbiology) (Second Semester)
EXAMINATION, 2025-26
(Old Syllabus Effective from 2022)
(Only Back Paper Students)
BACTERIAL METABOLISM AND PHYSIOLOGY

Paper Code							
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Questions Booklet
Series

A

Time : 1:30 Hours]

[Maximum Marks : 75

Instructions to the Examinee :

1. Do not open the booklet unless you are asked to do so.
2. 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.
3. 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.

परीक्षार्थियों के लिए निर्देश :

1. 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।
3. 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, तो उसे तुरन्त बदल लें।

(Remaining instructions on the last page)

(शेष निर्देश अन्तिम पृष्ठ पर)

(Only for Rough Work)

1. The Phosphotransferase System (PTS) is a form of group translocation where the sugar is :
 - (A) Oxidized during transport
 - (B) Chemically modified (phosphorylated) as it crosses the membrane
 - (C) Reduced to an alcohol
 - (D) Bound to a siderophore
2. Siderophores are specialized molecules secreted by microbes specifically to scavenge and transport :
 - (A) Glucose
 - (B) Phosphate
 - (C) Magnesium
 - (D) Ferric iron
3. Facilitated diffusion differs from passive diffusion in that it :
 - (A) Requires ATP
 - (B) Uses specific carrier proteins and exhibits saturation kinetics
 - (C) Moves solutes against the gradient
 - (D) Is only found in viruses
4. Which transport mechanism is most likely to be used for a highly non-polar gas like O₂ ?
 - (A) ABC transport
 - (B) Facilitated diffusion
 - (C) Passive diffusion
 - (D) Group translocation
5. In active transport, molecules move :
 - (A) Against the concentration gradient
 - (B) Along the concentration gradient
 - (C) Only through lipid bilayers
 - (D) Without the use of energy
6. A symport system moves two substances :
 - (A) In opposite directions
 - (B) Without a membrane protein
 - (C) Only if one is a metal ion
 - (D) In the same direction
7. Compare facilitated diffusion and active transport. What do they have in common ?
 - (A) Both use energy (ATP).
 - (B) Both require specific transmembrane proteins.
 - (C) Both result in the modification of the solute.
 - (D) Both can concentrate solutes against a gradient.

8. What is the significance of the “binding protein” in a gram-negative ABC transport system ?
- (A) It sits in the cytoplasm to store nutrients.
- (B) It resides in the periplasm to capture and deliver solutes to the pore.
- (C) It breaks down ATP.
- (D) It acts as a light sensor.
9. Which statement best differentiates primary vs. secondary active transport ?
- (A) Primary uses light; Secondary uses ATP.
- (B) Primary is passive; Secondary is active.
- (C) Primary is for ions; Secondary is for sugars only.
- (D) Primary uses ATP directly; Secondary uses ion gradients.
10. In bacteriorhodopsin-mediated transport, the energy source is :
- (A) Chemical (ATP)
- (B) Electromagnetic (Light)
- (C) Kinetic (Rotation)
- (D) Thermal (Heat)
11. Group translocation is mainly found in :
- (A) Fungi
- (B) Bacteria
- (C) Algae
- (D) Plants
12. Which system would be most efficient for a bacteria living in an extremely nutrient-poor environment ?
- (A) Passive diffusion
- (B) Facilitated diffusion
- (C) ABC transport
- (D) Simple osmosis
13. Which of the following is an example of an “antiporter” ?
- (A) Transport of Na^+ out and H^+ in.
- (B) Transport of lactose and H^+ in together.
- (C) Transport of glucose via PTS.
- (D) Diffusion of water through aquaporins.

14. What is the most critical factor determining the direction of nutrient flow in facilitated diffusion ?
- (A) The size of the protein.
 - (B) The concentration gradient of the nutrient.
 - (C) The amount of ATP in the cell.
 - (D) The presence of light.
15. If a cell's internal glucose concentration is 10mM and the external is 2mM, which mechanism must it use to take up more glucose ?
- (A) Simple diffusion
 - (B) Facilitated diffusion
 - (C) Active transport
 - (D) Osmosis
16. Which pigment is specifically found in anoxygenic phototrophs but not in plants ?
- (A) Chlorophyll
 - (B) Bacteriochlorophyll
 - (C) Phycobiliproteins
 - (D) Carotenoids
17. In oxygenic photosynthesis, the electron donor is :
- (A) H₂O
 - (B) H₂S
 - (C) Fe²⁺
 - (D) Glucose
18. Which pathway is used by some autotrophs to fix CO₂ by reversing the steps of the Krebs cycle ?
- (A) Calvin Cycle
 - (B) Reductive TCA Cycle
 - (C) Acetyl-CoA Pathway
 - (D) Glycolysis
19. In the reductive TCA cycle, why is the reaction catalyzed by alpha-ketoglutarate synthase considered a "regulatory bottleneck" ?
- (A) It requires O₂, which is absent in these organisms.
 - (B) It is only found in plants.
 - (C) It produces too much ATP, causing feedback inhibition.
 - (D) It is a highly endergonic ferredoxin-dependent carboxylation that determines the rate of the entire cycle.

20. The key regulatory enzyme of the reductive TCA cycle is :
- (A) Citrate synthase
 - (B) ATP-citrate lyase
 - (C) Isocitrate dehydrogenase
 - (D) Succinate dehydrogenase
21. The Z-scheme represents :
- (A) Flow of protons
 - (B) Flow of electrons through photosystems
 - (C) Flow of ATP
 - (D) Flow of CO₂
22. Which stage of the Calvin cycle involves the enzyme RubisCO ?
- (A) Reduction phase
 - (B) Regeneration phase
 - (C) Carboxylation phase
 - (D) Photorespiration phase
23. In the Calvin cycle, how many molecules of 3-phosphoglycerate (3-PGA) are produced from one molecule of CO₂ ?
- (A) One
 - (B) Two
 - (C) Three
 - (D) Six
24. Non-cyclic photophosphorylation produces :
- (A) Only ATP
 - (B) ATP and NADPH
 - (C) Only NADPH
 - (D) ATP, NADPH, and FADH₂
25. The main product of anoxygenic photophosphorylation is :
- (A) ATP
 - (B) NADPH
 - (C) Oxygen
 - (D) CO₂
26. The Calvin cycle requires :
- (A) NADPH only
 - (B) ATP only
 - (C) ATP and NADPH
 - (D) Oxygen
27. In the “regeneration” phase of the Calvin cycle, what is being regenerated ?
- (A) ATP
 - (B) NADPH
 - (C) Ribulose-1, 5-bisphosphate (RuBP)
 - (D) Glucose

28. If you inhibit the enzyme phosphoglycerate kinase, which stage of the Calvin cycle is directly blocked ?
- (A) Carboxylation
 - (B) Reduction
 - (C) Regeneration
 - (D) Light capture
29. A bacterium uses H_2S as an electron donor and lives in total darkness at the bottom of the ocean. It is a :
- (A) Photoautotroph
 - (B) Chemoorganotroph
 - (C) Chemolithoautotroph
 - (D) Photoheterotroph
30. Methanogens belong to which domain of life?
- (A) Bacteria
 - (B) Eukarya
 - (C) Archaea
 - (D) Protozoa
31. To fix 3 molecules of CO_2 into one net molecule of G3P, how many ATP are required in total ?
- (A) 3
 - (B) 6
 - (C) 9
 - (D) 12
32. Why is the “Reverse Electron Flow” necessary for many chemolithotrophs ?
- (A) To make ATP.
 - (B) To generate NAD(P)H for CO_2 fixation.
 - (C) To get rid of excess electrons.
 - (D) To move toward a light source.
33. What distinguishes “mixotrophs” from pure chemolithoautotrophs ?
- (A) Mixotrophs can use both inorganic and organic carbon sources.
 - (B) Mixotrophs only use light.
 - (C) Mixotrophs cannot fix CO_2
 - (D) Mixotrophs produce methane.

34. The splitting of water in photosynthesis is catalyzed by :
- (A) Oxygen-evolving
 - (B) Rubisco
 - (C) ATP synthase
 - (D) Ferredoxin
35. Carbon monoxide (CO) dehydrogenase is the key enzyme for :
- (A) The Calvin cycle
 - (B) The Wood-Ljungdahl pathway
 - (C) Iron oxidation
 - (D) Nitrification
36. The first enzyme of glycolysis is :
- (A) Pyruvate kinase
 - (B) Phosphofructokinase
 - (C) Hexokinase
 - (D) Aldolase
37. In methylotrophic bacteria utilizing the serine pathway, how is formaldehyde primarily assimilated into biomass ?
- (A) By direct condensation with ribulose-5-phosphate
 - (B) By combination with glycine to form serine
 - (C) By reducing to methane
 - (D) By complete oxidation to CO₂
38. The Pentose Phosphate Pathway (PPP) occurs in the :
- (A) Nucleus
 - (B) Mitochondria
 - (C) Chloroplast
 - (D) Cytoplasm
39. The Entner-Duodoroff pathway is found mainly in :
- (A) Pseudomonas
 - (B) *E. coli*
 - (C) Yeast
 - (D) Cyanobacteria
40. The oxygen-evolving complex requires :
- (A) Mn²⁺ ions
 - (B) Fe²⁺ ions
 - (C) Cu²⁺ ions
 - (D) Zn²⁺ ions
41. The Entner-Duodoroff pathway is an alternative to :
- (A) PPP
 - (B) Krebs cycle
 - (C) Glycolysis
 - (D) Fermentation

42. Net ATP yield per glucose in glycolysis is :
- (A) 30
 - (B) 4
 - (C) 32
 - (D) 2
43. The first step of Krebs cycle is catalyzed by :
- (A) Citrate synthase
 - (B) Isocitrate dehydrogenase
 - (C) Succinate dehydrogenase
 - (D) Malate dehydrogenase
44. The enzyme producing NADH from malate in TCA cycle is :
- (A) Citrate synthase
 - (B) Succinate dehydrogenase
 - (C) Malate dehydrogenase
 - (D) Pyruvate kinase
45. The final electron acceptor in aerobic respiration is :
- (A) CO_2
 - (B) NAD^+
 - (C) FAD
 - (D) Oxygen
46. ATP synthase uses :
- (A) Proton motive force
 - (B) Substrate-level phosphorylation
 - (C) NADPH
 - (D) Oxygen
47. The chemiosmotic theory was proposed by :
- (A) Peter Mitchell
 - (B) Hans Krebs
 - (C) Albert Szent-Györgyi
 - (D) Paul Boyer
48. Net ATP yield per glucose in Entner-Doudoroff pathway is :
- (A) 1
 - (B) 2
 - (C) 3
 - (D) 4
49. Rotational catalysis is powered by :
- (A) Proton translocation
 - (B) Electron transport directly
 - (C) Oxygen binding
 - (D) NADH oxidation
50. In oxidative phosphorylation, electrons finally reduce :
- (A) CO_2 to glucose
 - (B) NAD^+ to NADH
 - (C) FAD to FADH_2
 - (D) Oxygen to water

51. Glyoxylate cycle is important for :
- (A) Growth on acetate
 - (B) Growth on glucose
 - (C) Growth on ethanol
 - (D) Growth on lactate
52. The second unique enzyme of glyoxylate cycle is :
- (A) Succinate dehydrogenase
 - (B) Pyruvate kinase
 - (C) Isocitrate dehydrogenase
 - (D) Malate synthase
53. The enzyme producing FADH_2 in Krebs cycle is :
- (A) Citrate synthase
 - (B) Malate dehydrogenase
 - (C) Isocitrate dehydrogenase
 - (D) Succinate dehydrogenase
54. The enzyme lactate dehydrogenase functions under :
- (A) High ATP yield
 - (B) Aerobic conditions
 - (C) High oxygen tension
 - (D) Anaerobic conditions
55. ATP synthase consists of two main parts :
- (A) F_0 and F_1
 - (B) F_1 and F_2
 - (C) α and β only
 - (D) γ and δ only
56. Homofermentative lactic acid bacteria produce :
- (A) Lactic acid + CO_2
 - (B) Lactic acid + ethanol
 - (C) Only lactic acid
 - (D) Ethanol only
57. Under aerobic conditions, pyruvate enters :
- (A) Krebs cycle via acetyl-CoA
 - (B) Fermentation
 - (C) PPP
 - (D) Glyoxylate cycle
58. Each 120° rotation of γ -subunit of ATP synthase produces :
- (A) 1 ATP
 - (B) 2 ATP
 - (C) 3 ATP
 - (D) 4 ATP
59. The enzyme Rubisco is regulated by :
- (A) ATP only
 - (B) Oxygen only
 - (C) CO_2 and Mg^{2+} concentration
 - (D) NADH
60. In glycolysis, ATP is generated by substrate-level phosphorylation at :
- (A) Phosphoglycerate kinase
 - (B) Hexokinase
 - (C) Phosphofructokinase
 - (D) Enolase

61. The enzyme responsible for biological nitrogen fixation is :
- (A) Ammonia monooxygenase
 - (B) Nitrate reductase
 - (C) Nitrite reductase
 - (D) Nitrogenase
62. Nitrogenase is inhibited by :
- (A) Oxygen
 - (B) CO₂
 - (C) ATP
 - (D) Ammonia
63. Denitrification occurs under :
- (A) High oxygen
 - (B) Aerobic conditions
 - (C) Anaerobic conditions
 - (D) High ATP
64. Ammonia assimilation is important for :
- (A) Amino acid biosynthesis
 - (B) ATP synthesis
 - (C) Oxygen transport
 - (D) CO₂ fixation
65. APS reductase converts :
- (A) APS → Sulfate
 - (B) APS → Sulfite
 - (C) APS → Sulfur
 - (D) APS → H₂S
66. Sulphur assimilation is essential for :
- (A) CO₂ fixation
 - (B) ATP synthesis
 - (C) Cysteine and methionine synthesis
 - (D) Oxygen transport
67. Denitrification decreases :
- (A) Soil fertility
 - (B) Oxygen levels
 - (C) ATP yield
 - (D) CO₂ levels
68. Glutamate synthase catalyzes :
- (A) Pyruvate → Lactate
 - (B) Glutamine + α-ketoglutarate → 2 Glutamate
 - (C) Citrate → Isocitrate
 - (D) Succinate → Fumarate
69. The Pho regulon controls :
- (A) Glycolysis
 - (B) Nitrogen fixation
 - (C) Sulphur assimilation
 - (D) Phosphate assimilation
70. Nitrogenase activity is protected from oxygen by :
- (A) Leghemoglobin
 - (B) Hemoglobin
 - (C) Myoglobin
 - (D) Cytochrome oxidase

71. Nitrogenase is oxygen-sensitive because :
- (A) CO₂ is released
 - (B) ATP is hydrolyzed
 - (C) NADPH is consumed
 - (D) Fe-S clusters are inactivated
72. Route II of ammonia assimilation is more energy demanding because :
- (A) Requires ATP and NADPH
 - (B) Requires only NADH
 - (C) Requires only ATP
 - (D) Requires only NH₃
73. Nitrogenase activity is regulated post-translationally by :
- (A) ADP-ribosylation
 - (B) Phosphorylation
 - (C) Methylation
 - (D) Acetylation
74. Route I of ammonia assimilation involves :
- (A) Nitrite reductase
 - (B) Glutamine synthetase
 - (C) Glutamate dehydrogenase
 - (D) Nitrate reductase
75. nifA gene encodes :
- (A) Positive regulator of nif operon
 - (B) Negative regulator
 - (C) Structural protein
 - (D) Electron carrier
76. Post-translational modification of nitrogenase is triggered by :
- (A) Oxygen absence
 - (B) Ammonia availability
 - (C) CO₂ excess
 - (D) ATP hydrolysis
77. Dissimilative nitrate reduction converts nitrate to :
- (A) Nitrogen gas for energy generation
 - (B) Ammonia for biosynthesis
 - (C) CO₂
 - (D) Oxygen
78. Dissimilative nitrate reduction also known as :
- (A) Sulphur assimilation
 - (B) Nitrogen fixation
 - (C) Ammonia assimilation
 - (D) Denitrification
79. Cyanobacteria protect nitrogenase by :
- (A) Heterocyst formation
 - (B) Leghemoglobin
 - (C) Myoglobin
 - (D) Cytochrome c oxidase
80. Nitrogenase activity is highest under :
- (A) High oxygen, high NH₄⁺
 - (B) Low oxygen, low NH₄⁺
 - (C) High CO₂
 - (D) High ATP

81. The Pho regulon is activated under :
- (A) Nitrogen starvation
 - (B) Phosphate starvation
 - (C) Oxygen starvation
 - (D) ATP excess
82. Catalase converts :
- (A) $\text{H}_2\text{O}_2 \rightarrow \text{H}_2\text{O} + \text{O}_2$
 - (B) $\text{O}_2 \rightarrow \text{H}_2\text{O}_2$
 - (C) $\text{OH}^- \rightarrow \text{O}_2$
 - (D) $\text{NADH} \rightarrow \text{NAD}^+$
83. Alkaliphiles maintain pH balance by :
- (A) ATP synthase
 - (B) Proton pumps
 - (C) Na^+/H^+ antiporters
 - (D) Catalase
84. Halophiles adapt by accumulating :
- (A) CO_2
 - (B) ATP
 - (C) Oxygen
 - (D) Compatible solutes (e.g., K^+ , glycine betaine)
85. Halophiles thrive in :
- (A) High CO_2
 - (B) Low oxygen
 - (C) High salt concentrations
 - (D) Low ATP
86. Oxygen toxicity arises due to :
- (A) Reactive oxygen species (ROS)
 - (B) High CO_2
 - (C) Low ATP
 - (D) High NADPH
87. Psychrophiles adapt by :
- (A) Unsaturated fatty acids in membranes
 - (B) Saturated fatty acids in membranes
 - (C) ROS scavengers
 - (D) Rubisco
88. Heat shock proteins function as :
- (A) Proton pumps
 - (B) Molecular chaperones
 - (C) ROS scavengers
 - (D) ATP synthase
89. Donnan equilibrium describes :
- (A) CO_2 fixation
 - (B) ATP synthesis
 - (C) ROS detoxification
 - (D) Ion distribution across semipermeable membranes
90. Acidophiles thrive at :
- (A) $\text{pH} < 3$
 - (B) $\text{pH} 7$
 - (C) $\text{pH} > 9$
 - (D) $\text{pH} 5-7$

91. Quorum sensing involves :
- (A) ATP synthesis
 - (B) Cell-to-cell communication via autoinducers
 - (C) ROS detoxification
 - (D) CO₂ fixation
92. Bioluminescence in *Vibrio fischeri* is controlled by :
- (A) *pho* regulon
 - (B) *nif* operon
 - (C) *trp* operon
 - (D) *Lux* operon
93. Biofilm formation is an example of :
- (A) Multicellular organization
 - (B) ATP synthesis
 - (C) ROS detoxification
 - (D) CO₂ fixation
94. Multicellular coordination in microbes enhances :
- (A) ROS detoxification
 - (B) ATP yield
 - (C) Survival under stress
 - (D) CO₂ fixation
95. Donnan equilibrium is important in :
- (A) Bacterial cell physiology
 - (B) Photosynthesis
 - (C) Nitrogen fixation
 - (D) Fermentation
96. Myxobacteria exhibit :
- (A) Oxygen detoxification
 - (B) Multicellular fruiting body formation
 - (C) ATP synthesis
 - (D) CO₂ fixation
97. Quorum sensing regulates :
- (A) ROS detoxification
 - (B) ATP synthesis
 - (C) Virulence, biofilm formation
 - (D) CO₂ fixation
98. Autoinducer produced by Gram-positive bacteria :
- (A) Oligopeptides
 - (B) AHLs
 - (C) ROS
 - (D) ATP
99. Anaerobes can be cultivated using :
- (A) High oxygen chambers
 - (B) Shaking incubators
 - (C) Anaerobic jars with gas packs
 - (D) UV light
100. Myxobacteria coordinate movement via :
- (A) Social motility
 - (B) ATP synthase
 - (C) Rubisco
 - (D) Nitrogenase

(Only for Rough Work)

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 :

Example :

Question :

- Q. 1 (A) ● (C) (D)
 Q. 2 (A) (B) ● (D)
 Q. 3 (A) ● (C) (D)

Illegible answers with cutting and over-writing or half filled circle will be cancelled.

5. Each question carries equal marks. Marks will be awarded according to the number of correct answers you have.
6. 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 and 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.

4. प्रश्न-पुस्तिका में प्रत्येक प्रश्न के चार सम्भावित उत्तर—A, B, C एवं D हैं। परीक्षार्थी को उन चारों विकल्पों में से सही उत्तर छँटना है। उत्तर को OMR आन्सर-शीट में सम्बन्धित प्रश्न संख्या में निम्न प्रकार भरना है :

उदाहरण :

प्रश्न :

- प्रश्न 1 (A) ● (C) (D)
 प्रश्न 2 (A) (B) ● (D)
 प्रश्न 3 (A) ● (C) (D)

अपठनीय उत्तर या ऐसे उत्तर जिन्हें काटा या बदला गया है, या गोले में आधा भरकर दिया गया, उन्हें निरस्त कर दिया जाएगा।

5. प्रत्येक प्रश्न के अंक समान हैं। आपके जितने उत्तर सही होंगे, उन्हीं के अनुसार अंक प्रदान किये जायेंगे।
6. सभी उत्तर केवल ओ. एम. आर. 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 के अन्त में, रफ-कार्य के लिए दिए खाली पेज पर ही किया जाना चाहिए।
11. परीक्षा-कक्ष में लॉग-बुक, कैलकुलेटर, 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।

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