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

M.Sc. (SEM.-III) (NEP) (SUPPLE.)EXAMINATION, 2024-25 CHEMISTRY

(Application of Spectroscopy)

Paper Code								
B	0	2	0	9	0	2	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. Commonly used solvent in ESR spectroscopy is:
 - (A) DPPH
 - (B) TMS
 - (C) Both (A) and (B)
 - (D) None of these
- 2. The mathematical representation of Beer-Lambert law is:
 - (A) $A = \varepsilon C \ell$
 - (B) $A = \varepsilon C / \ell$
 - (C) $A = \varepsilon / C\ell$
 - (D) $A = \varepsilon \ell / C$
- 3. If a molecule contains n atoms the number of stretching vibrations are :
 - (A) n-1
 - (B) n-2
 - (C) n
 - (D) n-3
- 4. For a particular vibration node appears in the Raman spectrum, must change :
 - (A) Frequency of radiation
 - (B) Intensity of the radiation
 - (C) Molecule shape
 - (D) Molecule polarisibility
- 5. The structural group which is responsible for importing colour to compound called:
 - (A) Auxochrome
 - (B) Chromophore
 - (C) Hydroxyl group
 - (D) None of these

Vibrational frequency of stretching vibration of the diatomic molecule is:

(A)
$$v/2\pi = \sqrt{\frac{\mu}{K}}$$

6.

(B)
$$\frac{v}{2\pi} = \sqrt{\frac{K}{\mu}}$$

(C)
$$v = \frac{1}{2\pi} \sqrt{\frac{K}{\mu}}$$

(D)
$$v = \frac{1}{2\pi} \sqrt{\frac{\mu}{K}}$$

- 7. The most common solvent used in IR spectroscopy is:
 - (A) Water
 - (B) Acetone
 - (C) Alcohol
 - (D) Pair of CCl₄ and CS₂
- 8. Which of the following Nuclei will give NMR spectra?
 - (A) ₂He⁴
 - (B) $_{6}C^{13}$
 - (C) $_{6}$ C¹²
 - (D) ${}_{8}O^{16}$
- 9. Which transition requires least energy?
 - (A) $n-\pi^*$
 - (B) $\sigma \sigma^*$
 - (C) $\pi \pi^*$
 - (D) $n \to \sigma^*$

- 10. The frequency of UV radiation is greater than:
 - (A) Microwaves
 - (B) IR radiation
 - (C) Both (A) and (B)
 - (D) None of these
- 11. The number of peaks in the ESR spectrum of CH₃ redical is:
 - (A) 1
 - (B) 2
 - (C) 3
 - (D) 4
- 12. Which of the following is/are considered as an ambidentate ligand?
 - (A) NO₂
 - (B) SCN
 - (C) Both (A) and (B)
 - (D) None of these
- 13. UV-Visible spectroscopy is mainly related with:
 - (A) Rotational transition
 - (B) Vibrational transition
 - (C) Electronic transition
 - (D) All of these
- 14. How many vibrational modes are possible for HCl is:
 - (A) 0
 - (B) 1
 - (C) 2
 - (D) 3
- 15. TMS in NMR is used as an:
 - (A) External standard
 - (B) Internal standard
 - (C) Both (A) and (B)
 - (D) None of these

- 16. Which of the following will not show electron spin resonance?
 - (A) Free radicals
 - (B) Paramagnetic materials
 - (C) Transition metals
 - (D) Diamagnetic materials
- 17. The absorbance (A) is:

(A)
$$\log_{10}\left(\frac{I}{I_0}\right)$$

(B)
$$\log_{10}\left(\frac{I_0}{I}\right)$$

- (C) $\frac{I}{I_0}$
- (D) None of these
- 18. MRI (Magnetic Resonance Imaging) related to which of the following:
 - (A) NMR
 - (B) UV-visible
 - (C) IR
 - (D) X-ray
- 19. Which of the following shifts leads to the decreased wavelength of Absorption:
 - (A) Hypochromic effect
 - (B) Hyperchromic effect
 - (C) Hypsochromic shift
 - (D) Bathochromic shift
- 20. Which among the following transition is allowed?
 - (A) $g \rightarrow g$
 - (B) $u \rightarrow u$
 - (C) $g \rightarrow u$
 - (D) None of these

21.	Which of the following wave have minimum energy?			Choose correct option in terms of wavelength for the different type of IR		
	(A)	Microwave		spectrometer:		
	(B)	IR		•		
	(C)	Radiowave		(A)	Near IR : $0.8-2.5 \mu$	
	(D)	X-ray		(B)	Mid IR: 0.8–2.5 mm	
22.	` ′	nman spectroscopy the radiation		(C)	Far IR: 2.5–50 mm	
		n the region :		(D)	Mid IR: 50–100 mm	
	(A)	UV region	28.	, ,	region of electromagnetic	
	(B)	Visible region	20.	spectrum employed in the Electron		
	(C)	Microwave region		_	Resonance (ESR) spectroscopy	
	(D)	Radiowaves		is:	()- -	
23.		uxochrome is/are:		(A)	Radiowave	
	(A)	−SO ₃ H		` ′		
	(B)	-OH		(B)	Microwave	
	(C)	-NH ₂		(C)	Infrared	
24	(D)	All of these		(D)	Visible	
24.		NMR spectra of CDCl ₃ shows: Singlet	29.	The total number of fundamental		
	(A) (B)	Triplet			tional modes observed in the IR	
	(C)	Quintet			rption spectrum of water is:	
	(D)	Septet		(A)	4	
25.	` ′	molecule has highly shielded		` ′		
	proto			(B)	3	
	(A)	CH ₃ Br		(C)	2	
	(B)	CH ₃ Cl		(D)	Zero	
	(C)	CH ₃ I	30.	The	Base Value for the following	
	(D)	CH ₃ F		comp	oound	
26.	` ′	ng Hyperchromic effect:		CH_2	$= CH - CH = CH - CH_3 is:$	
	(A)	λ_{max} will increase		(A)	246 nm	
	(B)	ϵ_{max} will increase		(B)	250 nm	
	(C)	λ_{max} will decrease		(C)	230 nm	
	(D)	ε_{max} will decrease		(D)	217 nm	

(D) 217 nm

- 31. Who discovered the mass spectrometer? Francis Aston (A) (B) J.J. Thomson Ernest O. Lawrance (C) (D) None of these 32. Raman active mode for CO₂ molecule (A) Symmetric stretching mode (B) Antisymmetric stretching mode Bending (C) (D) Both (A) and (C) 33. The number of NMR signal in the H₃C
 - compound H₃C CH₃

(Mesitylene) is:

- (A) 1
- (B) 2
- (C) 3
- (D) 4
- 34. Chemical shift has the unit of:
 - (A) Parts per million
 - (B) Parts per billion
 - (C) Tesla
 - (D) No unit
- 35. Which of the following wave have minimum wavelength?
 - (A) Microwave
 - (B) IR
 - (C) Radiowave
 - (D) X-ray

- 36. How many vibrational modes are possible for acetylene?
 - (A) 2
 - (B) 6
 - (C) 7
 - (D) 8
- 37. In which state of matter mass spectroscopy is better performed?
 - (A) Solid
 - (B) Liquid
 - (C) Gaseous
 - (D) Plasma
- 38. Vibrational degrees of freedom for a non-linear molecule of n atoms is:
 - (A) 3n-5
 - (B) 3n-6
 - (C) 2n+5
 - (D) 2n-4
- 39. In CO₂ molecule certain bands may be:
 - (A) Raman active
 - (B) Infrared active
 - (C) Infrared and Raman active
 - (D) None of these
- 40. Which of the following molecule will have highest zero, point vibrational energy?
 - (A) CF₄
 - (B) $CH_{\mathbf{4}}$
 - (C) CCl_4
 - (D) CBr_{4}
- 41. Signal splitting in NMR arises from:
 - (A) Shielding effect
 - (B) Spin-Spin decoupling
 - (C) Spin-Spin coupling
 - (D) Deshielding effect

The (m/e) value of Base peak in 2
methyl-2 propanol (tertiary butyl
alcohol) in mass spectroscopy is:

- (A) 57
- (B) 59
- (C) 51
- (D) 53

- (A) S-electron
- (B) d-electron
- (C) P-electron
- (D) f-electron

- (A) 2
- (B) 3
- (C) 5
- (D) 6

45. Overtones are mainly observed in:

- (A) Near IR
- (B) Mid IR
- (C) Far IR
- (D) Not in IR region

46. The number of lines that appear in the ESR spectra of
$$[C_6H_6]$$
 is :

- (A) 5
- (B) 7
- (C) 11
- (D) 13

- (A) 400 nm to 700 nm
- (B) 700 nm to 1 mm
- (C) 185 nm to 400 nm
- (D) 0.1 nm to 10 nm

- (A) 2
- (B) 3
- (C) 4
- (D) 5

- (A) $\pi \pi^*$
- (B) $\sigma \sigma^*$
- (C) $\sigma \pi^*$
- (D) $n-\sigma^*$

- (A) Absorption of light
- (B) Scattering of light
- (C) Both (A) and (B)
- (D) None of these

- (A) Homonuclear spin coupling
- (B) Heteronuclear spin coupling
- (C) Homonuclear shielding
- (D) Heteronuclear shielding

- 52. Which of the following statement is correct?
 - (A) More the electronegativity lesser the chemical shift
 - (B) More the electron egativity more the chemical shift
 - (C) More the size of the atom lesser the chemical shift
 - (D) More the size of the atom more the chemical shift
- 53. The selection rule for the allowed rotation Raman lines is:
 - (A) $\Delta J = 0, \pm 2$
 - (B) $\Delta J = \pm 1$
 - (C) $\Delta J = 0$
 - (D) $\Delta J = 0, \pm 1 \text{ and } \pm 2$
- 54. The ratio of peak splitting that can be observed with three equivalent protons will be:
 - (A) 1:1
 - (B) 1:2:1
 - (C) 1:3:1
 - (D) 1:3:3:1
- 55. Among the following those can act as Mossbauer nuclei are:
 - (a) 129_{I}
 - (b) 57Co
 - (c) 57Fe
 - (d) ^{121}Sb

Choose the correct answer:

- (A) (b), (c) and (d) only
- (B) (a), (b) and (d) only
- (C) (a), (c) and (d) only
- (D) (a), (b), (c) and (d) only

56. λ_{max} for the compound



is:

- (A) 303 nm
- (B) 309 nm
- (C) 267 nm
- (D) 314 nm
- 57. Which of the following are correctly matched?
 - (1) UV–Bathochromic shift
 - (2) IR–Finger print region
 - (3) UV-chromophore
 - (4) $IR-\lambda_{max}$

Choose the correct answer:

- (A) (1) and (2)
- (B) (1) and (3)
- (C) (1), (2), (3) and (4)
- (D) (1), (2) and (3)
- 58. The solvent normally used for recording ¹³C NMR spectra is:
 - (A) Water
 - (B) n-Hexane
 - (C) Deutrated Organic Solvent
 - (D) TMS
- 59. Absorption Bands Originate due to $n \pi^*$ transition in UV spectrum is :
 - (A) K-Bands
 - (B) R-Bands
 - (C) B-Bands
 - (D) E-Bands

60.	In FTIR initially spectra is recorded as:			Fieser Woodward's rule is applicable for which of the following:		
	(A) Volts Vs Tim			(A)	Conjugated dienes	
	(B) % Trans Concentratio	mittance Vs n		(B)	Carbonyl compounds	
	(C) Absorbance	Vs Concentration		(C)	Polyenes	
	(D) Absorbance V	Vs Time		(D)	All of these	
61.	The number of lines	66.	Coupling constant of two nuclei is defined as:			
	of CO_3 ($I_D = 1$) is:					
	(A) 3	(B) 5				
	(C) 7	(D) 9		(A)	Ratio of chemical shifts	
62.	Separation of ions in mass spectrometer takes place on the basis			(B)	Distance between splitted peaks in Hz	
	of: (A) Mass			(C)	Difference of shifts	
	(A) Mass(B) Charge			(D)	Ration of absorption	
	` /	,			frequencies	
63.	(D) Mass to Char In vibrational spect	67.	Nuclei having either the number of protons or neutrons odd have:			
	number of fundamental		(A)	Integral spin		
	modes common in boare:	oth IK and Kaman		(B)	Half integral spin	
	(A) Three			(C)	Zero spin	
	(B) Two			(D)	Positive spin	
	(C) One		68.	. ,	•	
	,	Zero		The absorption bands of the carbony group in the IR spectra of CH ₃ COCH is:		
64.	The absor $\lambda_{\text{max}} 279 \text{nm} (\epsilon = 15)$					
	spectrum of acetone		(A)	$\sim 1900 \text{ cm}^{-1}$		
	(A) $\pi - \pi^*$ transi (B) $n - \pi^*$ trans			(B)	$\sim 1700 \text{ cm}^{-1}$	

(C)

(D)

 $\sim 1770 \text{ cm}^{-1}$

None of these

(C)

(D)

 $\sigma - \sigma^*$ transition

 $\pi - \sigma^*$ transition

- 69. In the ¹H NMR spectrum of CH₃CH₂Cl the quartet of the CH₂ group has a coupling constant of 7Hz, what is the coupling constant for the CH₃ triplet?
 - (A) 0 Hz
 - (B) 3.5 Hz
 - (C) 7 Hz
 - (D) 10.5 Hz
- 70. What is the chemical shift of TMS relative to itself?
 - (A) 0 PPm
 - (B) 1 PPm
 - (C) 10 PPm
 - (D) 100 PPm
- 71. The nucleus that is most sensitive to the COSY experiment is:
 - (A) ^{1}H
 - (B) 13 C
 - (C) ^{15}N
 - (D) 31_{P}
- 72. Factor affecting the chemical shift of a nucleus is correct:
 - (A) Electronegativity of neighbouring atom
 - (B) Hybridisation of the carbon atom
 - (C) Dipole-Dipole interaction
 - (D) All of these
- 73. Mossbauer spectroscopy uses which radiation?
 - (A) γ radiation
 - (B) β radiation
 - (C) α -radiation
 - (D) δ -radiation

- 74. Techniques used to enhance the resolution of NMR (Nuclear Magnetic Resonance) spectra is:
 - (A) Fourier transform
 - (B) Spin-Spin coupling
 - (C) Relaxation time
 - (D) Chemical shift
- 75. Correct relationship between absorbance and % transmittance is/are:

(A)
$$A = \log_{10} \left(\frac{100}{\%T} \right)$$

(B)
$$A = 2 - \log_{10} (\%T)$$

(C)
$$A = \log_{10} \left(\frac{1}{T}\right)$$

- (D) All of the above
- 76. The difference in two rotational Raman spectrum lines is:
 - (A) B
 - (B) 2B
 - (C) 3B
 - (D) 4B
- 77. The correct order of increasing wave number of the stretching vibrations of
 - (1) C–H (alkane)
 - (2) O–H (alcohol)
 - (3) C=O (ketone)
 - (4) $C \equiv C$ (alkyne)

options are:

- (A) (4) < (3) < (2) < (1)
- (B) (3) < (4) < (2) < (1)
- (C) (3) < (4) < (1) < (2)
- (D) (4) < (3) < (1) < (2)

- 78. The technique can be used to enhance the resolution of NMR spectra is:
 - (A) DEPT
 - (B) COSY
 - (C) NOESY
 - (D) HETCOR
- 79. The characteristic of a molecular vibrational modes in Infrared (IR) spectroscopy is:
 - (A) They involve change in molecular rotation
 - (B) They involve change in melecular electronic states
 - (C) They involve change in bond lengths and angles
 - (D) They involve change in nuclear spin orientation
- 80. Mossbauer effect based on:
 - (A) Doppler effect
 - (B) Beer-Lambert's law
 - (C) Spin effect
 - (D) None of these
- 81. The wave number corresponds to the wavelength $2.5 \mu m$ is:
 - (A) 14000 cm^{-1}
 - (B) 4000 cm^{-1}
 - (C) 3600 cm^{-1}
 - (D) 400 cm^{-1}

- 82. Force constant is expressed in the SI unit as:
 - (A) Dynes cm^{-1}
 - (B) $m \, dynes \, A^{-1}$
 - (C) Nm⁻¹
 - (D) All of the above
- 83. TMS is used as reference compound in ¹H NMR because :
 - (A) It has sharp resonance line
 - (B) It does not interfere with other resonance
 - (C) It is highly volatile can easily be removed
 - (D) All of these
- 84. The ESR frequency of an unpaired electron in a magnetic field of 3000 gauss (0.3 Tesla) is:
 - (A) 9300 MHz
 - (B) 8397 MHz
 - (C) 7000 MHz
 - (D) 9230 MHz
- 85. In Mossbauer spectroscopy of a sample containing Iron recorded in the presence of a static magnetic field the number of possible allowed transitions are:
 - (A) Two
 - (B) Four
 - (C) Six
 - (D) Eight

86. Match the observed Principal observations in the visible spectrum show in List-I with bond shows this absorption in List-II:

	List – I		List – II
(1)	$\sigma - \sigma^*$	(i)	C-C
(2)	$n-\sigma^*$	(ii)	C – O
(3)	$n-\pi^*$	(iii)	C = O
(4)	$\pi - \pi^*$	(iv)	C = O

- (A) (1)-(i) 2-(ii) 3-(iii) 4-(iv)
- (B) (1)-(i) 2-(iii) 3-(iv) 4-(ii)
- (C) (1)-(ii) 2-(i) 3-(iv) 4-(iii)
- (D) (1)-(iv) 2-(ii) 3-(iii) 4-(i)
- 87. An organic compound C₄H₈O gave the following spectral data

UV-Weak absorption at λ_{max} 295

$$IR-v_{max} 1715 \text{ cm}^{-1} (strong)$$

 1 H NMR- δ 2.4(quartet 2H),

 $\delta 2.09$ (singlet 3H), $\delta 1.4$ (triplet 3H)

The compound C₄H₈O is:

(A) CH₃CH₂CH₂CHO

(B)
$$H_3C$$
 CH – CHO

(C)
$$CH_3 - C - CH_2 - CH_3$$

O

(D) $CH_2 - CH = CH - CH_2OH$

- 88. Which of the following have maximum absorption frequency (v_{max}) ?
 - (A) C-C
 - (B) C = C
 - (C) $C \equiv C$
 - (D) None of these
- 89. The number of ¹H NMR signals found in compound CH₃—CH—CH₃ are:
 - (A) 3 signals
 - (B) 2 signals
 - (C) 1 signal
 - (D) 4 signals
- 90. β -Cleavahe of a bond with γ -H rearrangement to form a cation and neutral molecule is called :
 - (A) Retro-Diels-Alder reaction
 - (B) Mc-Lafferty rearrangement
 - (C) H-transfer rearrangement
 - (D) None of these
- 91. Which of the following molecule has maximum value of λ_{max} ?
 - (A)
 - (B)
 - (C)
 - (D)
- 92. Most suitable techniques for determining the molecular structure of an organic compound is:
 - (A) UV-visible spectroscopy
 - (B) NMR spectroscopy
 - (C) IR spectroscopy
 - (D) Mass spectroscopy

- 93. Which among the following will show pure rotational spectra?
 - (A) CO
 - (B) NO
 - (C) N_2O
 - (D) All of these
- 94. How many different types of proton (given unique chemical shifts in ¹H NMR) are present in (styrene)

$$CH = CH_2$$
 is :

- (A) Three
- (B) Four
- (C) Five
- (D) Six
- 95. The reduced mass (μ) of the two atoms involved in stretching vibrations of diatomic molecule will be:

(A)
$$\mu = \frac{\left(m_1 + m_2\right)}{m_1 m_2}$$

(B)
$$\mu = \frac{m_1 m_2}{(m_1 + m_2)}$$

(C)
$$\mu = \frac{(m_1 + m_2)}{2}$$

(D)
$$\mu = \frac{(m_1 + m_2)}{2m_1m_2}$$

96. Correct order of IR stretching frequency of the C=C in the following Olefin is:

- (A) I>II>III
- (B) II > III > I

- (C) III > II > I
- (D) III > I > II
- 97. Which of the region of IR spectra appears between (1400-600)cm⁻¹?
 - (A) Functional group region
 - (B) Fingerprint region
 - (C) Frequency region
 - (D) None of these
- 98. Limitation of the Lamberts-Beer's law is:
 - (A) Scattering of light due to particles
 - (B) Fluoirescence of sample
 - (C) Non monochromatic radiation
 - (D) All of these
- 99. Which component of the mass spectrometer seperates the ion beams into its components?
 - (A) Sample handling system
 - (B) Ion source
 - (C) Detector
 - (D) Analyser
- 100. Which of the following statement about 2D NMR spectroscopy is true?
 - (A) It provides information only about the chemical shifts of nuclei.
 - (B) It can reveal through bond and through space interactions between nuclei.
 - (C) It is used excelsively for analysis of crystalline solids.
 - (D) It cannot be applied to large molecules.

Rough Work

Rough Work

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।