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M.R. Serial No. [					

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

(Chemistry of Natural Products)

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**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।
- 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, उसे तुरन्त बदल लें।
- 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 छाँटना है। उत्तर को OMR उत्तर-पत्रक में सम्बन्धित प्रश्न संख्या में निम्न प्रकार भरना है:

(शेष निर्देश अन्तिम पृष्ठ पर)

1.	Terper	noids are made up of:	6.	Rubbe	er is a type of:	
	(A)	Isoprene units		(A)	Monoterpenoid	
	(B)	Amino acids		(B)	Sesquiterpenoid	
	(C)	Nucleic acids		(C)	Tetraterpenoid	
	(D)	None of the above		(D)	Polyterpenoid	
2.	Numb	per of isoprene units in	7.	Which	n terpenoid is used in medicine	
	sesqui	terpenes:		as an a	inthelmentic?	
	(A)	2		(A)	Santonin	
	(B)	3		(B)	Fornesol	
	(C)	4		(C)	Citral	
	(D)	5		(D)	Menthol	
3.	Which	one of the following terpenoid	8.	The m	olecular formula of β-carotene	
	is an a	cyclic in nature?		is:		
	(A)	a-terpineol		(A)	$C_{38}H_{56}$	
	(B)	Menthol		(B)	$C_{40}H_{56}$	
	(C)	Geraniol		(C)	$C_{40}H_{58}$	
	(D)	All of the above		(D)	$C_{45}H_{56}$	
4.	a-terp	ineol when heated with canc	9.	On dehydrogenation of abietic acid		
	H <sub>2</sub> SO <sub>4</sub>	gives:		with selenium gives:		
	(A)	p-cymene		(A)	Retene	
	(B)	Terpin		(B)	Biphenyl	
	(C)	Terpinolene		(C)	Tetrahydroabietic acid	
	(D)	Limonene		(D)	Phenanthre	
5.	Abieti	c acid is present in:	10.	Menth	nol has :	
	(A)	Rose oil		(A)	One chiral carbon	
	(B)	Ginger oil		(B)	Two chiral carbon	
	(C)	Rosin		(C)	Three chiral carbon	
	(D)	Citral oil		(D)	More than three chiral carbon	
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11.	Menthol on oxidation with CrO <sub>3</sub> /AcOH
	gives:

- (A) Menthone
- (B) Menthanone
- (C) Piperitone
- (D) Pulegone

## 12. Alkaloids may be defined as:

- (A) Basic N containing compounds
- (B) Heterocyclic compounds
- (C) Basic N containing natural products, optically active, and possessing nitrogen heterocycles and have a pronounced physiological action
- (D) None of the above

# 13. Which test is used for the detection of alkaloids in plants?

- (A) Mayer's test
- (B) Wagner's test
- (C) Hager's test
- (D) All of the above

14. Dibromaticonine 
$$C_{10}H_8O_2N_2Br_2$$
 on treatment with  $Ba(OH)_2$ , breakdown into  $C_{10}H_8N_2Br_2 \xrightarrow{Ba(OH)_2}$ 

$$A + B + CH_3NH_2$$
 A and B are:

- (A) Nicotinic acid + Maleic acid
- (B) Nicotinic acid + Fumaric acid
- (C) Nicotinic acid + Malonic acid
- (D) Maleic acid + Fumaric acid

### 15. On oxidation of atropic acid gives:

- (A) Benzoic acid
- (B) Tropic acid
- (C) Toluic acid
- (D) Tropine

## 16. On Zn-dust distillation coniine gives:

- (A) Conyrine
- (B) Pyridine-2-carboxylic acid
- (C) 3-methyl pyridine
- (D) All of the above

# 17. Nicotine methiodide on oxidation gives:

- (A) Hygrinic acid
- (B) Nicotinic acid
- (C) Pyridine-2-carboxylic acid
- (D) Adipic acid

18.	Hemlock alkaloid is:			A pigenin is:			
	(A)	Nicotine		(A)	Terpenoids		
	(B)	Coniine		(B)	Alkaloids		
	(C)	Ephedrine		(C)	Plant pigments		
	(D)	Atropine		(D)	Steroids		
19.	Oxidation of quinine with chromic acid gives:		24.	Chlo	rophyll reflects green light, giving		
				plan	ts their green colour. What		
	(A)	Quininic acid and quinone		elem	ent is located at the centre of the		
	(B)	Quinone and meroquinene		porpl	porphyrin ring in chlorophyll?		
	(C)	Quininic acid and benzoic acid		(A)	Manganese		
20.	(D)	Quininic acid and meroquinene		(B)	Potassium		
	Quin	ine is extracted from:	25.	(C)	Magnesium		
	(A)	Citral plants		(D)	Calcium		
	(B)	Pine tree			sh niamant is responsible for the		
	(C)	Opium			ch pigment is responsible for the red and purple colours in flowers		
	(D)	Cinchona bark		and fruits?			
21.	Phen	anthrene nucleus is present in:		(A)	Chlorophyll		
	(A)	Nicotine		(B)	Xanthophyll		
	(B)	Morphine		(C)	Carotenoids		
	(C)	Quinine					
	(D)	Reserpine		(D)	Anthocyanins		
22.		ber of methoxy groups is	26.	Whic prote	ch of the following is not a heme in?		
	determined by:			•			
	(A)	Ziesel's method		(A)	Tryptophan pyrrolase		
	(B)	Herzig Meyer method		(B)	Tyrosinase		
	(C)	Both (A) and (B)		(C)	Myoglobin		
	(D)	None of these		(D)	Cytochrome P <sub>450</sub>		

27.	What is the prosthetic group in hemoglobin?		31.	The basic structure of flavanols is based on which skeleton?		
	(A)	Globin		(A)	$C_6-C_3-C_6$	
	(B)	Heme		(B)	$C_5$ - $C_5$	
	(C)	Phosphoric acid		(C)	$C_6$ - $C_1$	
	(D)	Lipoprotein		(D)	$C_{20}$	
28.		happens to hemoglobin when s oxidized from Fe <sup>2+</sup> to Fe <sup>3+</sup> ?	32.		h reaction is commonly used to ne presence of flavanols?	
	(A)	Carbon monoxide poisoning		(A)	Shinoda test (Mg/HCl reduction)	
	(B)	Methemoglobinemia		(B)	Molisch test	
	(C)	Cystic Fibrosis		(C)	Biuret test	
	(D)	Sickle cell anemia		(D)	Benedict's test	
29.	deter	Which enzyme catalyzes the rate determining step in		Oxidation of anthocyanidin usually leads to:		
	heme	biosynthesis?		(A)	Formation of chalcones	
	(A)	PBG synthase		(B)	Breakdown into phenolic acids	
	(B)	ALA synthase		(C)	Conversion into carotenoids	
	(C)	Heme oxygenase		(D)	Formation of alkaloids	
	(D)	Billirubin synthase	34.	Hydro	olysis of anthocyanins with dilute	
30.	Then	nolecular formula of Haemin is:		acids	gives:	
	(A)	$C_{34}H_{32}O_4N_4$ Fe Cl		(A)	Anthocyanidins + Sugars	
	(B)	$C_{32}H_{34}O_4N_4$ Fe Cl		(B)	Flavones + Ketones	

(D)

(C)  $C_{34}H_{32}O_4N_4$  Fe Br

 $C_{34}H_{30}O_4N_2$  Fe Br

(C)

(D)

Cholcones + Aldehydes

Phenols + Terpenes

- 35. The colour change of anthocyanins in acidic vs. basic medium is due to:
  - (A) Oxidation
  - (B) Keto-enol tautomerism
  - (C) Structural changes in flavylium ion
  - (D) Reduction
- 36. Flavonols undergo alkalins hydrolysis to yield:
  - (A) Coumarins
  - (B) Chalcones
  - (C) Hydroxybenzoic and hydroxycinnamic acids
  - (D) Quinones
- 37. Reduction of flavonols (Zn/HCl) generally convert them into:
  - (A) Flavanones
  - (B) Chalcones
  - (C) Coumarins
  - (D) Isoflavones
- 38. Anthocyanidins react with FeCl<sub>3</sub> to give:
  - (A) Blue-green coloration (phenolic OH test)
  - (B) Brick-red precipitate
  - (C) No reaction
  - (D) Yellow colour

- 39. Enzymatic oxidation of anthocyanins in plants (by polyphenol oxidase) causes:
  - (A) Colour fading (browning)
  - (B) Enhanced red colour
  - (C) Conversion into carotenoids
  - (D) Increased fluorescence
- 40. On heating strongly anthocyanins undergo:
  - (A) Decarboxylation  $\rightarrow$  Stillenes
  - (B) Hydrolysis →
    Anthocyanidins + Sugars
  - (C) Oxidative cleavage →Phenolic acids
  - (D) Isomerization into flavones
- 41. Which of the following statement about anthocyanin reaction with pH is correct?
  - (A) Stable in all pH ranges
  - (B) Red in acidic medium, blue in basic medium
  - (C) Yellow in acidic medium, green in basic medium
  - (D) Colourless in acidic medium
- 42. Prostaglandins are derived from which class of compounds?
  - (A) Steroids
  - (B) Fatty acids
  - (C) Amino acids
  - (D) Terpenes

43. The immediate precursor of 47. Prostaglandins contain how many prostaglandins in the body is: carbon atoms in their skeleton? (A) Arachidonic acid (A) 18 (B) Cholesterol (B) 20 (C) **Tyrosine** 21 (C) (D) Mevalonate (D) 27 44. Prostaglandins are synthesized via 48. In prostaglandin nomenclature, the which pathway? letter (A,B,D,E,F) refers to : (A) Mevalonate pathway (A) Source of isolation (B) Cyclooxygenase (COX) (B) Nature of substituents and ring pathway structure (C) Shikimic acid pathway (C) Type of enzyme involved Polyketide pathway (D) Function of the molecule (D) 45. Which enzyme catalyzes the first committed step in prostaglandin 49. Which of the following prostaglandins biosynthesis? causes strong uterine contractions? (A) Lipooxygenase (A) PGF2 α Cyclooxygenase (B) PGE2 (B) (C) Dehydrogenase (C) PGA1 (D) Isomerase (D) PGD2 46. The term "Prostaglandin" was first 50. PGE2 differs from PGF2α in: coined because they were thought to Presence of hydroxyl vs. Keto originate from: (A) group (A) Brain tissue Ring size (B) (B) Prostate gland (C) Carbon skeleton (C) Kidney Placenta (D) (D) Precursor fatty acid

51. The classification of prostaglandins is 55. The natural occurrence of prostaglandins is in: based on: (A) Functional groups and ring (A) All mammalian tissues structure (B) Only prostate gland (B) Number of double bonds Only liver (C) Type of fatty acid precursor (C) Only brain (D) Source of tissue (D) 56. Which of the following prostaglandins 52. Which prostaglandin is a potent is most abundant in semen? mediator of fever and inflammation? (A) PGD2 (A) PGD2 (B) PGE2 PGE1 and PGE2 (B) (C) PGF2α (C) PFF2α (D) PGI2 PGI2 (D) 53. Prostacyclin (PGI2) is mainly 57. The cyclic structure in prostaglandins involved in: is formed by: Promoting platelet aggregation (A) (A) Intramolecular oxidation and vasodilation Cyclization of arachidonic acid (B) (B) Inhibiting platelet aggregation via COX and vasodilation (C) Esterification Inducing fever (C) (D) Uterine contraction (D) Diels-Alder reaction Which drug inhibits prostaglandin 54. 58. Prostaglandins are chemically synthesis by blocking classified as: cyclooxygenase? (A) Steroidal harmones Penicillin (A) Non-steroidal lipids (B) (B) Aspirin (C) Glycoproteins Ouinine (C) Peptides (D) Morphine (D)

(9)

[P.T.O.]

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59.	Chole	esterol contains how many carbon s?	63.		main esterone	biological e is :	role	of
	(A) (B)	19 21		(A)	Induc	ing male secor	ndary sex	xual
	(C)	27		(B)		taining preg	nancy	and
	(D)	30		(C)	Stimu	lating bile aci	d forma	tion
60.		steroid harm one oldosterone is arily involved in:		(D)		olling salt me		
	(A)	Glucose metabolism	64.	Bile a	acids ar	e biosynthesi	zed fron	n :
	(B)	Regulation of salt and water		(A)	Testo	sterone		
		balance		(B)	Chole	esterol		
	(C)	Protein synthesis		(C)	Proge	esterone		
	(D)	Reproductive functions		(D)	Ando	sterone		
61.	Aldosterone belongs to which class of steroid hormones?			Whice character		nctional g	group s?	is
	(A)	Glucocorticoids		(A)	Aldeh	nyde group		
	(B)	Mineralocarticoids		(B)	Carbo	oxyl group		
	(C)	Androgens		(C)	Amin	e group		
	(D)	Estrogens		(D)	Ketor	ne group		
62.	Proge	esterone is mainly secreted by:	66.	Andr	osteron	e is classified	las:	
	(A)	Testis		(A)	Estro	gen		
	(B)	Ovaries and corpus luteum		(B)	Andro	ogen		
	(C)	Adrenal cortex		(C)	Mine	ralocorticoid		
	(D)	Only placenta		(D)	Proge	estogen		
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- 67. The major male sex hormone is:
  - (A) Testosterone
  - (B) Estrone
  - (C) Progesterone
  - (D) Cortisol
- 68. Oestrone belongs to which class of hormones?
  - (A) Estrogens
  - (B) Androgens
  - (C) Glucocorticoids
  - (D) Progestogens
- 69. Which steroid hormone regulates glucose metabolism and stress response?
  - (A) Aldosterone
  - (B) Cortisol
  - (C) Estrone
  - (D) Progesterone
- 70. Which of the following is not derived from cholesterol?
  - (A) Vitamin D
  - (B) Bile acids
  - (C) Steroid hormones
  - (D) Alkaloids
- 71. The Diels hydrocarbon used as a model for steroid skeleton has:
  - (A) 4 fused rings (C,D,E,F)
  - (B) 4 fused rings (A,B,C,D)
  - (C) 3 benzene rings
  - (D) 5 fused rings

- 72. Which of the following is a C21 steroid hormone?
  - (A) Testosterone
  - (B) Estrone
  - (C) Progesterone
  - (D) Andosterone
- 73. High levels of aldosterone in the body lead to:
  - (A) Hypoglycemia
  - (B) Increased sodium retention and hypertension
  - (C) Reduced pregnancy maintenance
  - (D) Anemia
- 74. Progesterone is chemically characterized by the presence of :
  - (A) Aldehyde group
  - (B) 20-keto group and 3-keto-4-ene structure
  - (C) Phenolic hydroxyl group
  - (D) Aromatic ring with hydroxyl
- 75. Deficiency of aldosterone can cause:
  - (A) Addison's disease
  - (B) Cushing's syndrome
  - (C) Diabetes mellitus
  - (D) Goiter
- 76. Pyrethrins are naturally obtained from which plant?
  - (A) Papaver somniferum
  - (B) Chrysanthemum cinerifolium
  - (C) Rauwolfia serpentina
  - (D) Taxus brevifolia

77.	The synthetic analogues of pyrethrins		81.	Pyrethroids act mainly on:			
		are called:		(A)	DNA polymerase		
	(A)	Rotenoids		(B)	Sodium ion channels in nerves		
	(B)	Pyrethroids	throids		Protein kinases		
	(C)	Alkaloids		(D)	Cell membrane		
	(D)	Flavonoids	82.	The	main limitation of natural		
78.	Which of the following is a major component of natural pyrethrins?				pyrethrins is:		
	(A)	Rotenones		(A)	Toxicity to humans		
	(B)	Pyrethrin 1		(B)	Photoinstability		
	(C)	Artemisinin		(C)	Lack of volatility		
	(D)	Quassin		(D)	High cost of synthesis		
70	, ,			Rotenone inhibits which part of the			
79.		none is primarily used as:		electr	on transport chain?		
	(A)	Antimalarial		(A)	Complex I (NADH		
	(B)	Insecticide and fish poison			dehydrogenase)		
	(C)	Cardiac glycoside		(B)	Complex II		
	(D)	Antibiotic		(C)	Complex III		
80.	Phero	omones are defined as:		(D)	Complex IV		
	(A)	Hormones secreted inside the body	84.	Which is a commonly synthesized pyrethroid?			
	(B)	Chemical signals released to		(A)	Permethrin		
		affect members of the same species		(B)	Artemisinin		
	(C)	Antibiotics against pathogens		(C)	Digitoxin		
	(D)	Plant defense compounds		(D)	Quinine		

(12)

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85.	Phero as:	mones can be used in agriculture	89.		ch class of compound is turally related to lignans but	
	(A)	Growth promoters			ed by polymerization?	
	. ,	•		(A)	Tannins	
	(B)	Insect traps and mating disruption agents		(B)	Lignin	
	(C)	-		(C)	Alkaloid	
	(C)	Fertilizers		(D)	Steroids	
	(D)	Herbicides	90.	Pyretl	hrins and pyrothroids are mainly	
86.	Ligna	ans are derived biosynthetically		used a	as:	
	from	:		(A)	Antibiotics	
	(A)	Shikimic acid pathway		(B)	Insecticides	
	(B)	Terpenoid pathway		(C)	Herbicides	
	(C)	Polyketide pathway		(D)	Fungicides	
	(D)	Mevalonate pathway	91.	The main advantage of synthetic pyrathroids over natural pyrethrins		
87.	The d	imerization of which type of units		is:	morae over natural pyrominis	
	gives	ves rise to lignans?		(A)	Better taste	
	(A)	Monoterpenes		(B)	Enhanced photostability and	
	(B)	Cinnamic acid derivatives			potency	
		(C <sub>6</sub> -C <sub>3</sub> units)		(C)	Lower cost	
	(C)	Purine bases		(D)	Higher volatility	
	(D)	Alkaloids	92.		none is obtained from the roots	
88.	Sesan	nin is an example of:		of:		
		Rotenoid		(A)	Chrysanthemum species	
	(A)			(B)	Derris and Lonchocarpus	
	(B)	Lignan			species	
	(C)	Alkaloid		(C)	Papaver somniferum	
	(D)	Flavonoid		(D)	Cinchona species	

93.	Which of the following is not a function of pheromones?			7.	Diels-Alder adduct of isoprene and methyl vinylketone when treated with			
	(A)	Alarm signaling			methyl magnesium halide followed by acid hydrolysis gives:			
	(B)	Sexual attraction						
	(C)	Territorial marking			(A)	Citral		
	(D)	Photosynthesis			(B)	Menthol		
94.	β-carc	otene			(C)	$\alpha$ -terpineol		
	[0]	$\rightarrow A \xrightarrow{\text{(i) O}_3} B A \text{ and}$	В		(D)	Dihydrocarveol		
	are:		9	8.	Tropin	nic acid, on Hofmann exhaustive		
	(A)	β-ionone, Geranaldehyde			_	vlation followed by catalytic		
	(B)	β-ionone, p-cymene				drogenation forms:		
	(C)	β-ionone, Geronic acid			(A)	Tropinone		
	(D)	β-ionone, Camphoric acid			(B)	Pimelic acid		
95.	Cataly	tic hydrogenation of thym	ol		(C)	Maleic acid		
	gives:				(D)	Tropinone		
	(A)	α-pinene	99	9.	Which alkaloid is found in tobacco?			
	(B)	Camphor			(A)	Cocaine		
	(C)	± menthol			(B)	Caffeine		
	(D)	Nerol			, ,			
96.		Zinziberene is ozonolysed,	it		(C)	Nicotine		
	-	the products:			(D)	Morphine		
	(A)	Acetone + Cadalene + Succinacid	1c 1	00.	Which one is a tropane alkaloid?			
	(B)	Acetone + Levulinic acid	+		(A)	Piperine		
		Succinic acid			(B)	Nicotine		
	(C)	Acetone + Succinic acid			(C)	Atropine		
	(D)	Acetone + Palmitic acid			(D)	Quinine		
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# 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।