

THIS SHEET TO BE DETACHED/TORN OFF AND RETAINED BY INVIGILATOR
इस पन्ने को अलग करके/काट के निरीक्षक द्वारा रखा जाए

Duration : 90 Minutes समय : 90 मिनट		Exam Code : परीक्षा कोड : DMP001	
No. of Pages / पृष्ठों की संख्या : 192		Total Marks / कुल अंक : 100	
Roll No. : अनुक्रमांक :		Question Booklet No. प्रश्न पुस्तिका संख्या :	7026709
Date of Examination : परीक्षा तिथि :		OMR Answer Sheet No. OMR उत्तर शीट क्रमांक	
Candidate's Name / परीक्षार्थी का नाम		Candidate's Signature / परीक्षार्थी के हस्ताक्षर	
*** As given in application form / आवेदन पत्र में दिये गये ***			
CANDIDATE SHOULD OPEN THE SEALS ONLY AFTER THEY ARE ASKED TO DO SO. परीक्षार्थी निर्देश मिलने पर ही सील खोलें।			

The question paper is made up of the following sections as tabulated below.

निम्न तालिका में दर्शाये अनुसार, इस प्रश्न पत्र को निम्नलिखित भागों में विभाजित किया गया है।

Section / भाग	Language / भाषा	No. of Questions / प्रश्नों की संख्या	Pages / पृष्ठ	
			From / से	To / तक
Section-I	English / अंग्रेजी	100	15	30
Section-II	Hindi / हिन्दी	100	31	46
Section-III	Urdu / उर्दू	100	47	62
Section-IV	Assamese / असामी	100	63	78
Section-V	Bengali / बंगाली	100	79	94
Section-VI	Gujarati / गुजराती	100	95	110
Section-VII	Kannada / कन्नड़	100	111	126
Section-VIII	Manipuri / मणिपुरी	100	127	142
Section-IX	Marathi / मराठी	100	143	158
Section-X	Odia / उड़िया	100	159	174
Section-XI	Telugu / तेलगू	100	175	190

English Paragraph : All the details given by me in the Application Form are true and complete to the best of my knowledge. I understand that I may be issued with Call letter for the exam on the basis of above information and mere issue of call letter will not confer on me any right to be eligible for the post. I also understand that in case any of my statements are found to be untrue at any stage of recruitment or thereafter, I shall be disqualified forthwith for the post applied for and I shall be liable for any other penal action under the extant rules.

हिन्दी पैराग्राफ : आवेदन पत्र में मेरे द्वारा दिया गया सभी विवरण मेरी अधिकतम जानकारी के अनुसार सत्य और पूर्ण है। मैं समझता/समझती हूँ कि मुझे परीक्षा के लिए उपर्युक्त सूचना के आधार पर बुलावा पत्र जारी किया जाएगा और केवल बुलावा पत्र जारी करना पद के लिए पात्र होने का मुझे कोई अधिकार नहीं देता है। मैं यह भी समझता/समझती हूँ कि यदि मेरा विवरण भर्ती के किसी चरण पर या तत्पश्चात असत्य पाया जाता है, तो मैं आवेदित पद के लिए तत्काल निर्हरक हो जाऊंगा/जाऊंगी और मुझ पर लागू नियमों के तहत कोई अन्य दंडात्मक कार्रवाई की जाएगी।

Signature of invigilator / निरीक्षक के हस्ताक्षर	Centre / सेंटर	Deptt. / डिपार्टमेंट
--	----------------	----------------------

INSTRUCTIONS

(Please read carefully and comply)

1. After opening the seal, Candidate must check his Question Booklet for Missing Page, Missing Question Serial Number and/or Bad Printing. In such a case, Candidate must immediately contact the Invigilator.
2. Kindly read the complete set of instructions carefully and also see the instructions on the back side of the OMR Answer Sheet and fill the details in the OMR Answer Sheet and Question Booklet.
3. One paragraph each in Hindi and English is given on page 1. Copying of the paragraph (in the language as filled in the application form either in Hindi or English) in your running hand is compulsory. **DO NOT USE BLOCK LETTERS.**
4. (a) Question Booklet Serial No. must clearly be written and marked in the bubbles in the space provided in the OMR Answer Sheet.
(b) OMR Sheet No. should be written in the space provided in the Question Booklet.
5. After being instructed to open the Booklet, the candidates will open the Seals. Check whether the booklet contains **100** questions and start the paper from Page No. **15**.
6. The question paper comprises **100** questions available in congruent versions of **English, Hindi, Urdu, Assamese, Bengali, Gujarati, Kannada, Manipuri, Marathi, Odia, Telugu**. In case of any doubt or confusion, English version shall prevail.
7. All Questions are of Objective type. There is only one correct answer/best answer to each question carrying one mark. There will be negative marking for wrong answers. For every wrong answer, $1/3$ mark will be deducted.
8. In the event of any mistake in any question/s, candidate will not be penalized. However, no corrections will be made in question/s during the examination.
9. You must use Blue or Black ball-point pen only for answering. Altering of answers once entered is not permissible. Enter the answers in the OMR Answer Sheet carefully.
10. Rough work, if any, may be done in the Question Booklet only in the space provided at the end of the Booklet or at any specified space. No additional paper shall be provided.
11. Use of Log tables, Calculator, Slide Rule, Mobile Phone, Pager, Digital diary or any other electronic item/instrument etc. is not allowed. Their use will result in disqualification.
12. No candidate should leave the examination hall before the final bell. The top sheet of Question Booklet as well as the Answer Sheet should be handed over to the invigilator before leaving the Examination Hall.

SECTION I
ENGLISH VERSION

1. The battle of Plassey was fought between
 - (A) Mir Qasim, Shuja-ud-Daulah and East India Company
 - (B) Siraj-ud-Daulah and East India Company
 - (C) Haider Ali and East India Company
 - (D) Tipu Sultan and East India Company

2. Lord Dalhousie introduced the first railways in 1853 which ran between
 - (A) Calcutta and Bombay
 - (B) Agra and Madras
 - (C) Bombay and Thane
 - (D) Calcutta and Agra

3. The normal term of a State Assembly (other than J & K) is
 - (A) 3 years
 - (B) 6 years
 - (C) 5 years
 - (D) 4 years

4. How long can a Presidential ordinance remain in force ?
 - (A) 1 year
 - (B) Two months
 - (C) Till the President revokes it
 - (D) Six months

5. Black soil is ideal for cultivation of cotton as
 - (A) its colour is black
 - (B) it can retain moisture
 - (C) it is made up of lava
 - (D) it is found on plateau regions

6. Railway Passenger Coaches are manufactured at
 - (A) Varanasi
 - (B) Chittaranjan
 - (C) Perambur
 - (D) Kolkata

7. "Operation Flood" is related to
 - (A) Milk production
 - (B) Crop production
 - (C) Interlinking of rivers
 - (D) Cleaning of Rivers

8. The term "Bull Run" is related to
 - (A) Animal race
 - (B) Stock Market
 - (C) Physical Power
 - (D) Downward trend of sales

9. Match Col. X (Sports trophy) and Col. Y (Related Sports)

<u>Col. X</u>	<u>Col. Y</u>
P Durand Cup	1. Tennis
Q Duleep Trophy	2. Football
R Uber Cup	3. Cricket
S Wimbeldon Grand Slam	4. Badminton
(A) P-2, Q-4, R-3, S-1	(B) P-2, Q-3, R-1, S-4
(C) P-3, Q-2, R-4, S-1	(D) P-2, Q-3, R-4, S-1

10. Record of highest individual score in One Day International Cricket matches is in the name of

- (A) Rohit Sharma (B) Sachin Tendulkar
(C) Virender Sehwag (D) Chris Gayle

11. What is common amongst Mary Kom, Vijender Singh and Abhinav Bindra.

- (A) They all are good Shooters
(B) They all are good Boxers
(C) They all have won medals for India in International Games
(D) They all have won Padma Bhushan Award

12. Kudankulam was in News. It is related to

- (A) A mega Super Thermal Power Plant
(B) A Nuclear Power Plant
(C) A Base for launch of Satellite
(D) A base of ISRO for Mangalyaan

13. Which Indian State recently launched m-governance app.

- (A) Karnataka (B) Tamil Nadu
(C) Gujarat (D) Madhya Pradesh

14. Current Speaker of Lok Sabha is

- (A) Miera Kumar (B) Sumitra Mahajan
(C) Annadurai (D) P A Sangma

15. Which Country was declared by UN as EBOLA free ?
 (A) South Africa (B) Nigeria
 (C) Zimbabwe (D) Ethiopia
16. What least number must be subtracted from 13601 to get a number exactly divisible by 87 ?
 (A) 49 (B) 23
 (C) 29 (D) 31
17. Which of the following fractions is the largest ?
 (A) $\frac{7}{8}$ (B) $\frac{13}{16}$
 (C) $\frac{31}{40}$ (D) $\frac{63}{80}$
18. $\frac{5}{8}$ of 24 = $\frac{15}{7}$ of ?
 (A) $\frac{7}{225}$ (B) 7
 (C) 8 (D) 15
19. If $\sqrt{24}$ is approximately equal to 4.898, then $\sqrt{\frac{8}{3}}$ is nearly equal to
 (A) 0.544 (B) 1.333
 (C) 1.633 (D) 2.666
20. If the sum of a few numbers is 450 and their mean is 50 and if another number 100 is included, the mean would become
 (A) 55 (B) 60
 (C) 75 (D) 150

21. 15 years hence, a man will be just 4 times as old as he was 15 years ago. His present age is
- (A) 10 years (B) 15 years
(C) 20 years (D) 25 years
22. X's income is 20% more than Y's income. Y's income is less than X's income by
- (A) 15% (B) $16\frac{2}{3}\%$
(C) 20% (D) 22%
23. Articles are bought at 5 for ₹10 and sold at 6 for ₹15 by a man. His gain percent is
- (A) 50% (B) 40%
(C) 35% (D) 25%
24. If 15% of A = 20% of B, then A : B = ?
- (A) 3 : 4 (B) 4 : 3
(C) 17 : 16 (D) 16 : 17
25. A, B, C rented a camera at a rent of ₹350. If they use it for 6 hours, 10 hours and 12 hours respectively, the rent to be paid by C, is
- (A) ₹75 (B) ₹125
(C) ₹135 (D) ₹150
26. A can do a work in 4 days, B can do it in 5 days and C can do it in 10 days, then A, B, C together can do the work in
- (A) $1\frac{3}{5}$ days (B) $1\frac{9}{11}$ days
(C) $2\frac{5}{6}$ days (D) 3 days

27. Mr. X completes 30 km of a journey at 6 km/hour and the remaining 40 km of the journey at 5 hours. His average speed for the whole journey is
- (A) $6\frac{4}{11}$ km/hr (B) 7 km/hr
 (C) $7\frac{1}{2}$ km/hr (D) 8 km/hr
28. In how many years, a sum will be thrice of it at the rate of 10% per annum simple interest ?
- (A) 15 years (B) 20 years
 (C) 30 years (D) 40 years
29. A sum becomes ₹2916 in 2 years at 8% per annum compound interest. The sum is
- (A) ₹2750 (B) ₹2500
 (C) ₹2926 (D) ₹2560
30. The length of a rectangle is increased by 10% and its breadth is decreased by 10%, then, the area of the new rectangle is
- (A) neither increased nor decreased
 (B) Increased by 1%
 (C) decreased by 1%
 (D) decreased by 10%
31. Read the following information to decide the option.
- i) A is richer than B
 ii) C is richer than A
 iii) D is richer than C
 iv) E is the richest of all
- If they sit in the order of richness who will have the central position ?
- (A) A (B) B
 (C) C (D) D

Directions : (For Question No. 32 and Question No. 33) Read following information.

- i) A and B play football and hockey
 ii) C and D play badminton and cricket
 iii) B and C play cricket and football
 iv) A and D play hockey and badminton
32. One who plays badminton, football and cricket is
- (A) A (B) B
 (C) C (D) D

90. Which effect may lead to toxic reactions when a drug is taken continuously or repeatedly ?

- (A) Refractoriness (B) Cumulative effect
(C) Tolerance (D) Tachyphylaxis

91. Which one of the following local anesthetics is an ester of benzoic acid ?

- (A) Lidocaine (B) Procaine
(C) Ropivacaine (D) Cocaine

92. Metabolic transformation (Phase I) is

- (A) Acetylation and methylation of substances
(B) Transformation of substances due to oxidation, reduction or hydrolysis
(C) Glucuronide formation
(D) Binding to plasma proteins

93. Biological Barriers include all EXCEPT

- (A) Renal tubules (B) Cell membranes
(C) Capillary walls (D) Placenta

94. Match Col. X (Type of food) and Col. Y (Calcium content mg/100g)

<u>Col. X</u>		<u>Col. Y</u>
P Cow's Milk	1	790
Q Cheese	2	120
R Cumin seeds (Jeera)	3	1040
(A) P-1, Q-2, R-3	(B)	P-2, Q-3, R-1
(C) P-2, Q-1, R-3	(D)	P-1, Q-3, R-2

39. BLOOD is related to ARTERY in the same way as WATER is related to
- (A) Vein (B) Pipe
(C) Aorta (D) Straw
40. Select the option to replace ? to continue with the pattern in given number series
- 5, 7, 11, ?, 35, 67
- (A) 19 (B) 22
(C) 28 (D) 17
41. In given series, some letters are missing, these are given in options in that order. Select the option to complete the series in a pattern.
- ba_ba_baab_ _
- (A) baba (B) aaaa
(C) bbbb (D) baab
42. Select the option to maintain the relation on either side of ::
- BDG : PRU :: LNQ : ?**
- (A) FGI (B) TRS
(C) MKI (D) DFI
43. Select the option having similar relationship amongst words as in given words.
- Correspondent : News : Newspaper
- (A) Road : Vehicle : Destination
(B) Cloud : Water : Ponds
(C) Farmer : Crops : Food
(D) Mason : Cement : Construction
44. Select the option to replace ? to maintain the pattern in given number series.
- 1, 1, 2, 6, 24, ?, 720
- (A) 100 (B) 104
(C) 108 (D) 120

45. FLOWER is to BOUQUET as MINISTER is to ?
- (A) Department (B) Constituency
(C) Voter (D) Cabinet
46. Select the option to have similar relation on either side of :: in given series.
- MAD : JXA :: RUN : ?
- (A) ORK (B) OSQ
(C) PRJ (D) UXQ
47. Select the ODD one.
- (A) Metre (B) Yard
(C) Mile (D) Acre
48. If POND is coded as RSTL, how is HEAR written in that code ?
- (A) GHIJ (B) GHIZ
(C) JIGZ (D) JCLZ
49. If "Wall" is called "Window", "Window" is called "Door", "Door" is called "Floor", "Floor" is called "Roof", and "Roof" is called "Ventilator", what will a person stand on ?
- (A) Window (B) Wall
(C) Floor (D) Roof
50. Ravi is 7 ranks ahead of Sumit in a class of 39. If Sumit's rank is seventeenth from the last, what is Ravi's rank from the start ?
- (A) 14th (B) 15th
(C) 16th (D) 17th

51. Which endocrine gland is situated in the lower part of neck on the thyroid cartilage.
- (A) Pituitary Gland (B) Adrenal Gland
(C) Thyroid Gland (D) Pineal Gland
52. Large intestine has all parts except _____
- (A) Caecum (B) Sigmoid colon
(C) Ascending colon (D) Jejunum
53. Skeletal muscles are composed of a large number of
- (A) Cartilage (B) Elastic fibres
(C) Inelastic fibres (D) Dense fibres
54. Right lung has how many lobes.
- (A) 1 (B) 2
(C) 3 (D) 4
55. Muscles of forearm is divided into which group.
- (A) Anterior and Posterior muscles
(B) Lateral and Parietal muscles
(C) Superior and Inferior muscles
(D) Superficial and deep muscles
56. In pregnancy, heart beating and gastrointestinal tract development starts in foetus in which month.
- (A) First month (B) Third to Fourth month
(C) Seventh month (D) Ninth month
57. _____ is a ball and socket joint
- (A) Hip joint (B) Elbow joint
(C) Knee joint (D) None of these

58. What is the main source of energy for cardiac muscle.
- (A) Glucose (B) Fat
(C) Protein (D) Lactic Acid
59. Which statement is NOT true about ovaries.
- (A) The ovaries are two in number
(B) Secretion of oestrogen is an important function of ovaries
(C) Secretion of Testosterone is also an important function of ovaries
(D) Secretion of Progesterone is also an important function of ovaries
60. Which of the following is NOT true about testes.
- (A) The testes produce spermatozoa
(B) The testes are Internal genital organ
(C) The testes have an important function of formation, development and liberation of ova
(D) Testosterone hormone is responsible for sexual characteristics
61. What kind of substances cannot permeate membranes by passive diffusion ?
- (A) Lipid - Soluble (B) Non-ionised substances
(C) Hydrophobic substances (D) Hydrophilic substances
62. Pharmacodynamics involves the study of following EXCEPT :
- (A) Biological and therapeutic effects of drugs
(B) Absorption and distribution of drugs
(C) Mechanisms of drug action
(D) Drug interactions
63. Tolerance and drug resistance can be a consequence of
- (A) Drug dependence
(B) Increased metabolic degradation
(C) Depressed renal drug excretion
(D) Activation of a drug after hepatic first-pass

64. What is the function of the blood vessels and capillaries ?
(A) They pump blood to the heart
(B) They filter impurities from the blood
(C) They carry blood to all parts of the body
(D) They carry messages from the brain to the muscles
65. What is a specialised nerve cell ?
(A) Neuron
(B) Axon
(C) Dendrites
(D) Nucleus
66. The exchange of gases inside the lungs actually occurs inside tiny sacs called
(A) bronchi
(B) cilia
(C) capillaries
(D) alveoli
67. The digestion of protein is facilitated by
(A) Trypsin
(B) Amylase
(C) Secretin
(D) Lipase
68. What is the functional filtration unit in the kidney ?
(A) Renal tubule
(B) renal corpuscle
(C) Nephron
(D) Glomerulus
69. When positioned properly, the tip of a central venous catheter should lie in the
(A) Superior vena cava
(B) Basilica vein
(C) Jugular vein
(D) Subclavian vein
70. A sudden redness of the skin is known as
(A) Flush
(B) Cyanosis
(C) Jaundice
(D) Pallor

71. Which of the following clinical finding indicates the patient is experiencing hypokalemia ?
- (A) Edema (B) Muscle spasms
(C) Kussaumul Breathing (D) Abdominal distention
72. Bending of head towards chest is
- (A) Flexion (B) Extension
(C) Abduction (D) Supination
73. A female client who received general anesthesia returns from surgery. Postoperatively, which nursing diagnosis takes highest priority for this client ?
- (A) Acute pain related to surgery
(B) Deficient fluid volume related to blood and fluid loss from surgery
(C) Impaired physical mobility related to surgery
(D) risk of aspiration related to anesthesia
74. Treatment of some nutritional diseases with ____ can be done without medicines.
- (A) Balanced Diet (B) High protein Diet
(C) Uremic Diet (D) Therapeutic Diet
75. How many fontanelles are present in newborn ?
- (A) Two (B) Three
(C) Five (D) Four
76. Delusion is a disorder of
- (A) Thinking (B) Memory
(C) Perception (D) Intellect
77. Anxiety neurosis is characterised by all except
- (A) suicidal intent
(B) panic attacks
(C) multiple somatic complaints
(D) over-concern

78. Psycho-somatic illness can be differentiated from hysteria by
(A) altered sensorium (B) autonomic disturbances
(C) involuntary movements (D) Skeletal muscle atrophy
79. In Schizophrenia, the term anhedonia refers to
(A) inability to enjoy food
(B) inability to express empathy
(C) inability to react to enjoyable or pleasurable events
(D) inability to react appropriately to social crisis
80. Psychodynamics theory as developed by Freud saw phobia as
(A) Repressed ego
(B) Repressed id impulses
(C) Repressed superego
(D) Repressed defense mechanism
81. In a child with conduct disorder, aggressive behaviour is
(A) caused by anxiety
(B) marking low self esteem
(C) caused by temporary changes in relationships
(D) caused by heredity
82. First fetal movement felt by the mother is known as
(A) Lightning (B) Quickening
(C) Ballottement (D) Engagement
83. Narrowest part of the fallopian tube is the
(A) interstitial portion (B) Isthmus
(C) Infundibulum (D) Ampulla
84. A surgically planned incision on the perineum is :
(A) Hysterectomy (B) Episiotomy
(C) Suction evacuation (D) Dilatation and evacuation

85. Which Statement about food and nutrients is NOT correct
- (A) Food also performs a function to satisfy emotional needs like sense of security and attention
 - (B) Starch found in cereals is an example of proteins in food
 - (C) Vitamins are needed for growth and normal function of the body
 - (D) Water is essential for elimination of food waste
86. For an adult man with sedentary work style, match Col. X (nutrient) and Col. Y (requirement in grams).
- | | <u>Col. X</u> | | <u>Col. Y</u> |
|---|------------------------|---|---------------|
| P | Cereals | 1 | 30 |
| Q | Fruits | 2 | 100 |
| R | Green/leafy vegetables | 3 | 400 |
- (A) P-1, Q-2, R-3
 - (B) P-3, Q-2, R-1
 - (C) P-3, Q-1, R-2
 - (D) P-2, Q-1, R-3
87. Hardness of water can be removed by adding _____
- (A) Calcium Chloride
 - (B) Magnesium Chloride
 - (C) Sodium Chloride
 - (D) Potassium Permanganate
88. Which statement is NOT correct about breast feeding
- (A) Breast feeding prolongs the period of natural immunity to virus diseases
 - (B) The breast feeding needs to be discontinued when infant is weak or unable to nurse
 - (C) Babies fed on breast milk are also less likely to develop constipation
 - (D) It is important that breast feeding to new born is delayed to feed colostrum as far as possible
89. All the Statements are correct EXCEPT
- (A) The Basal Metabolic Rate is normally measured early in the morning when in a post absorptive state
 - (B) Body size and composition, age and growth affect the basal requirement
 - (C) The classic Harris-Benedict equations are one of the options to estimate the Basal Energy needs
 - (D) Energy needs of the body in motion are called Basal metabolism

90. Which effect may lead to toxic reactions when a drug is taken continuously or repeatedly ?

- (A) Refractoriness (B) Cumulative effect
(C) Tolerance (D) Tachyphylaxis

91. Which one of the following local anesthetics is an ester of benzoic acid ?

- (A) Lidocaine (B) Procaine
(C) Ropivacaine (D) Cocaine

92. Metabolic transformation (Phase I) is

- (A) Acetylation and methylation of substances
(B) Transformation of substances due to oxidation, reduction or hydrolysis
(C) Glucuronide formation
(D) Binding to plasma proteins

93. Biological Barriers include all EXCEPT

- (A) Renal tubules (B) Cell membranes
(C) Capillary walls (D) Placenta

94. Match Col. X (Type of food) and Col. Y (Calcium content mg/100g)

	<u>Col. X</u>		<u>Col. Y</u>
P	Cow's Milk	1	790
Q	Cheese	2	120
R	Cumin seeds (Jeera)	3	1040

- (A) P-1, Q-2, R-3 (B) P-2, Q-3, R-1
(C) P-2, Q-1, R-3 (D) P-1, Q-3, R-2

95. Chief source of energy in environment is
- (A) Fire (B) Moon
(C) Sun (D) Stars
96. In a Computer, the virus is a
- (A) Hardware (B) Software
(C) A bacteria (D) A dust
97. Which of the following is NOT an operating system.
- (A) Windows (B) Linux
(C) Android (D) Java
98. In MS Word, a short-cut key to print command is
- (A) Control + P (B) Control + C
(C) Control + D (D) Control + Alt
99. In MS Excel, the data is entered in a
- (A) Sheet (B) Cell
(C) Document (D) Graphic
100. Which is the smallest unit in Computer.
- (A) Kilobyte (B) Megabyte
(C) Gigabyte (D) Terabyte