

THIS SHEET TO BE DETACHED/TORN OFF AND RETAINED BY INVIGILATOR ON COMPLETION OF EXAM / परीक्षा की पूर्ति पर इस पत्र को अलग करके/काटके निरीक्षक द्वारा रखा जाए

Duration : (1½ Hours / 90 Minutes) समय : (1½ घंटे / 90 मिनट)	Exam Code : परीक्षा कोड :	DMP001
No. of Pages / पृष्ठों की संख्या : 152	Total Marks / कुल अंक :	100
Roll No. : अनुक्रमांक:	Question Booklet No. : प्रश्न-पुस्तिका संख्या :	4029733
Date of Examination : परीक्षा तिथि :	OMR Answer sheet No. OMR उत्तर शीट क्र.	
Candidate's Name / परीक्षार्थी का नाम *** As given in application form / आवेदन पत्र में दिये गये अनुसार ***		Candidate's Signature / परीक्षार्थी का हस्ताक्षर

**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	100	14	24
Section - II	Hindi/हिन्दी	100	25	36
Section - III	Urdu/اردو	100	37	49
Section - IV	Assamese/असमिया	100	50	61
Section - V	Bengali/बांग्ला	100	62	73
Section - VI	Manipuri/मणिपुरी	100	74	85
Section - VII	Odia/ओड़िया	100	86	98
Section - VIII	Telugu/तेलुगु	100	99	111
Section - IX	Marathi/मराठी	100	112	123
Section - X	Gujarati/गुजराती	100	124	136
Section - XI	Kannada/कन्नड़	100	137	149

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 दिये गये सभी विवरण मेरी अधिकतम जानकारी के अनुसार सत्य और पूर्ण हैं। 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 तत्पश्चात् असत्य पाया जाता है, तो मैं आवेदित पद के लिए तत्काल निरहंरक हो जाऊंगा/जाऊंगी और मुझ पर लागू नियमों के तहत कोई अन्य दंडात्मक कार्रवाई की जाएगी"।

Signature of the Invigilator / निरीक्षक के हस्ताक्षर

DMP001115

INSTRUCTIONS

(Please read carefully and comply)

1. 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.
2. One paragraph each in Hindi and English is given in page 1. Copying of the paragraph in the space provided in the OMR Answer Sheet (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**.
3. (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.
4. After being instructed to open the Booklet, the candidates will open the seals. It is the responsibility of the candidate to check and ensure that the booklet contains **100** questions and start the paper from page no. **14**.
5. The question paper comprises **100** questions and are available in congruent versions of English, Hindi, Urdu, Assamese, Bengali, Manipuri, Odia, Telugu, Marathi, Gujarati and Kannada languages. **In case of any doubt or confusion, English version shall prevail.**
6. All questions are of Objective type. There is only one correct 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.**
7. In the event of any mistake in any question/s, candidates will not be penalized. However no corrections will be made in question/s during the examination.
8. 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 Answer Sheet carefully.
9. Rough work, if any may be done in the Question Booklet only in the space provided at the end of the Booklet. No additional paper shall be provided.
10. 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.
11. No candidate should leave the examination hall before the final bell. The Answer Sheet as well as the Top Sheet of the Question Booklet should be handed over together to the invigilator before leaving the Examination Hall.

SECTION - I

ENGLISH

1. The reason why lipstick and nail-polish is removed before surgery is :
(A) Surgery becomes easier
(B) Surgery becomes more successful
(C) Psychological benefits to the patient
(D) Cyanosis is checked
2. In which organ does the maximum absorption of Iron take place ?
(A) Stomach (B) Small Intestine (C) Colon (D) Liver
3. World's first White Tiger Safari is set to come up in which state of India ?
(A) West Bengal (B) Kerala (C) Madhya Pradesh (D) Gujarat
4. If gut motility is increased then :
(A) Drug absorption is decreased (B) Drug absorption is increased
(C) Drug absorption is not affected (D) Nothing definite can be said
5. Which of the following is **not** a symptom of depression ?
(A) Loss of interest in daily activities (B) Delusion of guilt
(C) Suicidal ideas (D) Delusion of grandiosity
6. The permanent stopping of the menstrual cycle in women is called :
(A) Menopause (B) Menarche (C) Dismenorrhoea (D) Amenorrhoea
7. Out of the "chemical forces" or bonds listed below, the strongest one is _____.
(A) Van der waal's (B) Dipole (C) Covalent (D) Hydrophobic
8. After menopause in women the chances of her developing osteoporosis increase because of :
(A) Decrease in oestrogen levels (B) Increase in oestrogen levels
(C) Decrease in LH levels (D) Decrease in FSH levels

DMP001115

9. Which of these fractions is the largest ?
(A) $\frac{6}{7}$ (B) $\frac{5}{6}$ (C) $\frac{7}{8}$ (D) $\frac{4}{5}$
10. The process of taking food into the digestive system is :
(A) Ingestion (B) Propulsion (C) Digestion (D) Elimination
11. The speed of a boat along the stream is 12 km/hr and against the stream is 8 km/hr. The time taken by the boat to sail 24 km in still water is :
(A) 2 hours (B) 2.4 hours (C) 3 hours (D) 1.2 hours
12. A man started walking with his back towards the Sun. After sometime, he turned left, then he turned right and then towards the left again. In which direction is he going now ?
(A) North or South (B) East or West (C) North or West (D) South or West
13. Out of four numbers, the average of first 3 is 15 and the average of the last 3 is 16. If the last number is 19, the first number is :
(A) 19 (B) 15 (C) 16 (D) 18
14. The commonest cause of maternal morbidity in India is :
(A) Anaemia (B) Haemorrhage (C) Abortion (D) Sepsis
15. Different seasons are formed because :
(A) Sun is moving around the Earth (B) Earth is moving around the Sun
(C) Earth rotates on its own axis (D) None of these
16. Entomology is the science that studies :
(A) behaviour of human beings (B) insects
(C) behaviour of ants (D) formation of rocks
17. The 'p' wave on the electrocardiogram corresponds to :
(A) atrial depolarization (B) atrial repolarization
(C) ventricular depolarization (D) ventricular repolarization
18. According to World Health Organisation, "low birth weight" means a weight of less than :
(A) 2.8 Kgs (B) 2.7 Kgs (C) 2.5 Kgs (D) 2.3 Kgs

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19. If the cost price of 10 chairs is equal to the selling price of 16 chairs, then the loss percent is :
(A) 37.5% (B) 20% (C) 9.6% (D) 17.5%
20. Lavani is a :
(A) Marathi Folk song (B) Musical Instrument
(C) Indian Language (D) None of these
21. The abolition of "Sati" by government regulation was at the time of :
(A) Warren Hastings (B) Lord Wellesley
(C) Lord Amherst (D) Lord Bentinck
22. Repeated urination while sleeping, even after five years of age is called :
(A) Eneuresis (B) Tic (C) Stuttering (D) Encopresis
23. Commonest cause of neonatal morbidity in India is :
(A) Diarrhoeal diseases (B) Birth injuries
(C) Congenital anomalies (D) Prematurity and low birth weight
24. CAD stands for :
(A) Computer Aided Design (B) Computer Algorithm for Design
(C) Computer Applications for Design (D) None of these
25. The _____ membranes surround the lungs.
(A) pericardial (B) mediastinal (C) pleural (D) peritoneal
26. The guardian of the Indian Constitution is the :
(A) Supreme Court of India (B) High Court
(C) President of India (D) Prime Minister of India
27. In a certain code '253' means "books are old", '546' means "man is old" and '378' means "buy good books". What stands for "are" in that code ?
(A) 2 (B) 4 (C) 5 (D) 6
28. When are the chances of acute endometritis developing in a woman ?
(A) after menopause (B) after menarche
(C) after abortion or childbirth (D) in childhood

29. Which of the following types of dances is essentially a solo dance ?
(A) Kuchipudi (B) Manipuri (C) Kathak (D) Mohiniattam
30. An agent which kills pathogenic bacteria is called :
(A) Asepsis (B) Disinfectant (C) Fomite (D) Bacteriostat
31. If X is the brother of the son of Y's son, how is X related to Y ?
(A) Son (B) Brother (C) Cousin (D) Grandson
32. Which of the following vitamins is soluble in water ?
(A) Vitamin A (B) Vitamin C (C) Vitamin K (D) Vitamin D
33. Which of the following is a main side effect of an Intra-Uterine Device ?
(A) Vaginal Bleeding (B) Pelvic Inflammatory disease
(C) Uterine perforation (D) Ectopic pregnancy
34. The average age of a husband and wife is 23 years at the beginning of their marriage. After five years they have a one year old child. The average age of the family of three, when their child was born is :
(A) 23 years (B) 18 years (C) 24 years (D) 20 years
35. Which of the following are the fastest, biggest and most expensive computers ?
(A) Personal Computers (B) Super computers
(C) Laptops (D) Notebook PCs
36. Select the pair which has the same relationship as the pair Iodine : Goitre.
(A) Mango : Anaemia (B) Insulin : Diabetes
(C) Hormones : Cancer (D) Fat : Obesity
37. Find the next number in the series :
11, 16, 23, 32, 43, ___?
(A) 56 (B) 55 (C) 57 (D) 54
38. The device primarily used to provide a hard copy is the :
(A) Hard Disk (B) CPU (C) Printer (D) Card Reader

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39. Out of the following, which medicines are used for intestinal evacuation ?
(A) Cathartics (B) Carminatives (C) Astringents (D) Antimycotics
40. Which complication of IV infusion can cause pulmonary edema or heart failure ?
(A) Infiltration (B) Circulatory overload
(C) Infection (D) Pyrogenic reactions
41. Which artery supplies oxygenated blood to the stomach ?
(A) Carotid artery (B) Gastric artery (C) Celiac artery (D) Cephalic artery
42. Psychoanalytic Therapy was developed by :
(A) Sigmund Freud (B) Jacobson (C) Franklin (D) Aristotle
43. A sailor goes 12 km downstream in 48 minutes and returns in 1 hr and 20 minutes. The speed of the sailor in still water is :
(A) 12 km/hr (B) 12.5 km/hr (C) 13 km/hr (D) 15 km/hr
44. Name the Indian participant in Miss World 2014 competition.
(A) Vanya Mishra (B) Priyanka Chopra
(C) Koyal Rana (D) Navneet Kaur Dhillon
45. Vitamin B1 is also known as :
(A) Niacin (B) Thiamine (C) Riboflavin (D) Pyridoxin
46. A train running at a speed of 30 metres/sec crosses a platform 600 metres long in 30 seconds. The length of the train is :
(A) 120 metres (B) 150 metres (C) 200 metres (D) 300 metres
47. Data (information) is stored in computers in the form of :
(A) Files (B) Directories (C) Floppies (D) Matter
48. In which state is the Tehri Hydro-electric project located ?
(A) Himachal Pradesh (B) Uttar Pradesh
(C) Uttaranchal (D) Bihar

49. What is the main reason for angina pectoris ?
(A) Neurological disease (B) Gastric disease
(C) Respiratory disease (D) Cardiac disease
50. In a certain code, if BHOPAL is written as EERMDI, then how will POWDER be written in the same code ?
(A) SLZAHO (B) SRZGHU (C) NMUBCP (D) NRUGCU
51. Which is the best test for detecting Liver dysfunction ?
(A) Serum albumin (B) Serum bilirubin (C) SGPT (D) Prothombin time
52. What should be the temperature of water used for cold sponging ?
(A) 98° F (B) 105° F (C) 70° F (D) 0° F
53. Barack Obama will become the _____ President of America to participate in India's Republic Day celebrations on Jan 26, 2015.
(A) Second (B) First (C) Third (D) None of these
54. Which nutrient is **not** found in eggs ?
(A) Carbohydrate and Vitamin-C (B) Protein and calcium
(C) Fat and Vitamin-D (D) Protein and Iron
55. Atmospheric pressure is important in the process of _____.
(A) Blood Flow (B) Micturition (C) Reproduction (D) Breathing
56. Who will take over as Director of the Intelligence Bureau in India from Jan 1, 2015 onwards ?
(A) Arun Majumdar (B) Nehchal Sandhu
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57. The goal of management of Glaucoma is :
(A) Only to increase the inflow of aqueous humor
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58. Express 45 minutes as a fraction of a day :
- (A) $\frac{1}{32}$ (B) $\frac{1}{40}$ (C) $\frac{1}{60}$ (D) $\frac{1}{24}$
59. Abnormal communication between the urinary and genital tract is called Geneto Urinary_____.
- (A) Fistula (B) Tumour (C) Atresia (D) Prolapse
60. Of the following, which is the most common site for metastasis in lung cancer ?
- (A) Kidney (B) Stomach (C) Liver (D) Spleen
61. If the IQ of a child is 45, in which category of Mental Retardation will he be categorised ?
- (A) Mild mental retardation (B) Moderate mental retardation
(C) Severe mental retardation (D) Profound mental retardation
62. Most drugs have a molecular weight between :
- (A) 1 - 10 (B) 10 - 100 (C) 250 - 350 (D) Greater than 500
63. Still-birth rate includes babies dead after :
- (A) 20 weeks (B) 24 weeks (C) 28 weeks (D) 32 weeks
64. Five words are given below. Four of them are similar. Choose the word which is **not** similar to the remaining words :
- Paper, Wool, Wood, Plastic, Leather :
- (A) Paper (B) Wool (C) Wood (D) Plastic
65. The simple interest on a certain sum at a rate of 5% per annum for 3 years and 4 years differs by ₹ 42. The sum is :
- (A) ₹ 210 (B) ₹ 280 (C) ₹ 750 (D) ₹ 840
66. Hallucination is caused by :
- (A) Gastro-intestinal disorder (B) Mental illness
(C) Disorder of reproductive organs (D) Infectious disease

67. The main function of kidney is to :
- (A) eliminate oxygen
 - (B) regulate fluid balance and removing waste products
 - (C) metabolise vitamins
 - (D) eliminate carbon dioxide
68. Find the missing term :
PART : TRAP :: POTS : ?
- (A) TOPS
 - (B) OPTS
 - (C) STOP
 - (D) SPOT
69. Which valve prevents backward flow of blood into the left atrium ?
- (A) Aortic valve
 - (B) Pulmonary valve
 - (C) Tricuspid valve
 - (D) Mitral valve
70. Five words are given below. Four of them are similar. Choose the word which is **not** similar to the remaining words :
Ink, Paper, Pencil, Pen, Sharpener :
- (A) Ink
 - (B) Paper
 - (C) Pencil
 - (D) Sharpener
71. When two numbers are separately divided by 33 the remainders are 21 and 28 respectively. If the sum of the two numbers is divided by 33 the remainder will be :
- (A) 10
 - (B) 12
 - (C) 14
 - (D) 16
72. A bag contains ₹ 90, comprising 50 paise, 25 paise and 10 paise coins. If the ratio of 50 paise, 25 paise and 10 paise coins is 2 : 3 : 5, then the number of 25 paise coins will be :
- (A) 80
 - (B) 120
 - (C) 100
 - (D) 135
73. Which of these is an example of a neurotransmitter ?
- (A) Only Dopamine
 - (B) Only Norepinephrine
 - (C) Only Acetylcholine
 - (D) All of these
74. A man sold an article at a loss of 20%. If he had sold it for ₹ 50 more, he would have gained 5%. The cost price of the article was :
- (A) ₹ 250
 - (B) ₹ 300
 - (C) ₹ 180
 - (D) ₹ 200

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 - (B) ₹ 300
 - (C) ₹ 180
 - (D) ₹ 200

75. Which of the following is **not** found in urine ?
(A) Only glucose (B) Only protein
(C) Only Red blood cells (D) All of the above
76. The central point in Ashoka's dharma was :
(A) royalty to kings (B) peace and non-violence
(C) respect to elders (D) religious toleration
77. The Aligarh Muslim University was founded by :
(A) Dr. Saifuddin Kichlu (B) Sir Syed Ahmad Khan
(C) Mohammad Ali Jinnah (D) Maulana Mohammad Ali
78. A and B can do a job in 72 days. B and C can do the same job in 120 days, and A and C can do the same job in 90 days. In how many days will all the three take to complete the job ?
(A) 80 days (B) 100 days (C) 60 days (D) 150 days
79. Which of the following is significantly different between human and cow's milk ?
(A) Proteins and Fat (B) Proteins and sugar
(C) Proteins and Lactose (D) Minerals
80. Select the pair which has the same relationship as the pair Spider : Web.
(A) Ink : Pen (B) Poet : Poetry (C) Cock : Hen (D) Teacher : Student
81. Kalyani is the mother in law of Veena, who is sister-in-law of Ashok. Dheeraj is the father of Sandeep, the only brother of Ashok. How is Kalyani related to Ashok ?
(A) Mother-in-law (B) Mother (C) Aunt (D) Wife
82. The characteristic of enantiomers is :
(A) only that they are chemically identical
(B) only that they are mirror images of each other
(C) both (A) and (B)
(D) none of these
83. A is the brother of B. B is the son of C. D is C's father. Then, what is A of D ?
(A) Brother (B) Grandson (C) Son (D) Grandfather

75. Which of the following is **not** found in urine ?
(A) Only glucose (B) Only protein
(C) Only Red blood cells (D) All of the above
76. The central point in Ashoka's dharma was :
(A) royalty to kings (B) peace and non-violence
(C) respect to elders (D) religious toleration
77. The Aligarh Muslim University was founded by :
(A) Dr. Saifuddin Kichlu (B) Sir Syed Ahmad Khan
(C) Mohammad Ali Jinnah (D) Maulana Mohammad Ali
78. A and B can do a job in 72 days. B and C can do the same job in 120 days, and A and C can do the same job in 90 days. In how many days will all the three take to complete the job ?
(A) 80 days (B) 100 days (C) 60 days (D) 150 days
79. Which of the following is significantly different between human and cow's milk ?
(A) Proteins and Fat (B) Proteins and sugar
(C) Proteins and Lactose (D) Minerals
80. Select the pair which has the same relationship as the pair Spider : Web.
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84. In a certain code language, '479' means "fruit is sweet", '248' means "very sweet voice" and '637' means "eat fruit daily". Which digit stands for "is" in that language ?
(A) 4 (B) 7 (C) 9 (D) 8
85. A computer program which translates one program instruction at a time into machine language is called _____.
(A) CPU (B) Compiler (C) Simulator (D) Interpreter
86. 3 men or 5 women can do a job in 12 days. How long will 6 men and 5 women working together take to complete the job ?
(A) 4 days (B) 5 days (C) 6 days (D) 7 days
87. Select the pair which has the same relationship as the pair Birds : Wings.
(A) Whale : Water (B) Dog : Lungs (C) Car : Wheel (D) Pen : Paper
88. 8th April 1930 is well known in history of India because this date is associated with :
(A) Dandi March by Mahatma Gandhi
(B) Quit India Movement
(C) Partition of Bengal
(D) Partition of India
89. In a certain code, APRIL is written as BQSJM. What is the word whose code is HSFFO ?
(A) INDIA (B) GREAT (C) TREES (D) GREEN
90. Select the letter-series which follows the rule :
"Number of letters skipped in between adjacent letters in the series doubles every time".
(A) ADIPY (B) BDGLU (C) EGJOF (D) GJNSY
91. The rate of drug absorption is greatest in the _____.
(A) large intestine (B) stomach (C) gall bladder (D) small intestine
92. A 150 metre long train crosses a 500 metre long bridge in 30 seconds. What time will it take to cross a platform 370 metre long ?
(A) 36 seconds (B) 30 seconds (C) 24 seconds (D) 18 seconds

93. Find the next number in the series :
885, 870, 855, 840, ?
(A) 835 (B) 855 (C) 825 (D) 815
94. Select the letter-series which follows the rule :
"Number of letters skipped in reverse order in between adjacent letters in the series is constant".
(A) SPMJG (B) SPNLJ (C) SQOLJ (D) WUTRQ
95. Find the next term in the series :
A3B, C7D, E11F, G15H, ?
(A) I20J (B) I19K (C) J19K (D) I19J
96. A is 40 metres south-west of B, C is 40 metres south-east of B, then C is in which direction from A ?
(A) South (B) West (C) East (D) North-East
97. The destruction of alveolar walls is called :
(A) Emphyma (B) Bronchitis (C) Emphysema (D) Lung abscess
98. Which division of the nervous system initiates a response known as fight or flight ?
(A) The parasympathetic nervous system
(B) The sympathetic nervous system
(C) The somatic nervous system
(D) None of these
99. An energy consuming process by which cells of the human body absorb molecules (such as proteins) by engulfing them is called _____.
(A) lipid diffusion (B) aqueous diffusion (C) exocytosis (D) endocytosis
100. Which colour of light has the longest wavelength ?
(A) Violet (B) Blue (C) Red (D) Green

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