This Question Booklet Contains 16 Printed Pages આ પ્રશ્નપત્રમાં કુલ 16 છાપેલા પાનાં છે.

પ્રશ્નપુસ્તિકા નંબર

DP-2026

Candidate's Seat No.:

કુલ પ્રશ્નો : 100	Total Que. : 100
કુલ ગુણ : 200	Total Marks : 200
સમય : 150 મિનિટ	Time : 150 Minutes

SECTION - 1 : 080 Ques. (01 to 080)
SECTION - 2 : 020 Ques. (081 to 100)

પ્રશ્નપુસ્તિકા કોડ

B

Candidate's Signature _____ **Block Supervisor's Signature** _____

DO NOT OPEN QUESTION BOOKLET UNTIL INSTRUCTED.

INSTRUCTIONS FOR CANDIDATE:

1. Check Number printed on your OMR SHEET and Question Paper with your SEAT No. before answering the questions. Consult block supervisors in case the above mentioned numbers do not match with your seat number.
2. **There are total 100 questions (Section-1 : 80 Ques. and Section-2 : 20 Ques.).** For answer of each question A, B, C, D, E options are given in OMR SHEET. In OMR SHEET, there is "E" option. "E" option is for "Not Attempted". If candidate do not wish to answer the question he/she must select "E" option (Not Attempted), to avoid negative marks. All questions are compulsory.

   For Example:

   Which state of India has the longest sea shore ?

   Ⓐ Ⓑ ● Ⓓ Ⓔ

   (A) Maharashtra (B) Tamilnadu
   (C) Gujarat (D) Andhra Pradesh

   In this example, the right answer is (C). Therefore, the Circle of (C) has been darkened (encoded). Candidate should not give the answer "Gujarat" in writing.

   The options once darkened/answered by candidate cannot be changed.
3. Candidates are not permitted to leave examination hall during examination.
4. Candidates must strictly write SEAT NO. in the designated space provided in OMR SHEET as well as Question Paper neatly as soon as they receive the OMR SHEET & Question Paper.
5. OMR SHEET must be signed by supervisor. Unsigned OMR SHEET will not be considered for evaluation.
6. Candidates must not write name or put any identification sign/symbol on OMR SHEET. In such case strict disciplinary action will be taken against candidate & will be considered disqualified/ineligible. Only Seat No. must be entered at designated space provided in OMR SHEET
7. Both, Candidate's & Supervisor's signature must be done on Certificate of OMR SHEET. Unsigned OMR SHEET would not be considered for evaluation.
8. Candidates are not permitted to use or carry with them any kind of literature, guide, hand written notes, or printed books, mobile phone, pagers, smart watches, camera, calculator or any electronic gadgets to examination hall.
9. Candidates are not permitted to talk/discuss in the Examination Hall. Any candidate found violating supervisor's instructions will be disqualified.
10. Candidates must fully darken circle A, B, C, D and E accordingly with Blue / Black ball pen. If answers are marked with any other coloured ball pen, pencil, white ink (whitener), any corrections are done by candidate by means of blade or rubber or whitener will not be considered for evaluation.
11. Candidates may carry QP with them after Examination.
12. **For correct answer 2 (Two) marks will be given.**

    For negative marking : If candidate -
    - **Gives wrong answer or**
    - **Darkens more than one option (multi mark) as answer for one question in OMR SHEET then 0.50 marks will be deducted.**

    If candidate does not want to answer a particular question and marks (E) or leave the option without encoding on OMR sheet, then no minus marks will be given.

Submit the OMR SHEET to the block supervisor after completion of examination without fail before leaving examination hall, failure to do so will result in disqualification of the candidature for the examination and disciplinary action will be taken against such candidate.

SECTION - 1

001. Although the nucleus of each somatic cell contains gene from both your mother and father, _____ genes are inherited only from your mother.
(A) Mitochondrial
(B) Golgi
(C) Ribosomes
(D) Endoplasmic reticulum

002. Disintegration time for enteric coated tablet with food.
(A) Before 2 hrs
(B) After 2 hrs
(C) At 30 min
(D) None of the above

003. Cyclophosphamide belongs to which category?
(A) Antitubercular agent
(B) Antiviral agent
(C) Antineoplastic agent
(D) Antimalarial agent

004. Following is filter aid except.
(A) Magnesium stearate
(B) Talc
(C) Magnesium carbonate
(D) Kieselguhr

005. _____ is known as voice box.
(A) Nose
(B) Trachea
(C) Pharynx
(D) Larynx

006. Which of the following is not a zoonotic disease?
(A) Rabbies
(B) Anthrax
(C) Cholera
(D) Brucellosis

007. In the blood clotting mechanism factor X is known as _____ .
(A) Stuart factor
(B) Fibrinogen
(C) Prothrombin
(D) Calcium ions (Ca^{++})

008. All of the following are roles of pharmacist in prevention of communicable diseases except :

(A) Pharmacists can counsel people about antibiotic resistance

(B) Pharmacists can create an awareness program for the prevention of anthropod borne diseases

(C) Pharmacists can prescribe antibiotics during a pandemic

(D) Pharmacists can help prevent medical errors by increasing patient health literacy

009. All of the following are airborne diseases except :

(A) Measles (B) Tuberculosis

(C) Influenza (D) Typhoid

010. Which fibre is regenerated from cellulose and used in surgical dressing?

(A) Rayon (B) Silk

(C) Cotton (D) Wool

011. Garlic reduces cholesterol due to :

(A) Quinine (B) Caffeine

(C) Menthol (D) Allicin

012. Which of the following statement is incorrect regarding paracetamol?

(A) It is available in tablet dosage form

(B) It is available as suspension

(C) It is available as injection

(D) It is available as cream

013. Which of the following pairings of "Drug : Chemical class" is incorrect?

(A) Opium : Alkaloid

(B) Arjuna : Tanin

(C) Digitalis : Glycoside

(D) Gelatin : Polysaccharide

014. Which of the following correctly expands FSSAI?

(A) Food Safety & Standards Authority of India

(B) Food Safety & Services Authority of India

(C) Food Supply & Standards Authority of India

(D) Food Security and Standards Agency of India

015. In the ECG. P-wave represents _____ .

(A) Atrial Repolarization
(B) Atrial Depolarization
(C) Ventricular Repolarization
(D) Ventricular Depolarization

016. Cold cream is which type of formulation.

(A) Emulsion
(B) Suspension
(C) Paste
(D) Ointment

017. What is the pharmacological class of Lurasidone?

(A) Antidepressants
(B) Anticonvulsants
(C) Antipsychotic
(D) Sedative

018. Which of the following is a Polysaccharide vaccine?

(A) Hib Vaccine
(B) Anthrax Vaccine
(C) Rabies Vaccine
(D) Hepatitis A Vaccine

019. Which of the following gases is used for calming excited mental patients?

(A) Oxygen
(B) Nitrous oxide
(C) Carbon dioxide
(D) Nitrogen

020. Which statement is TRUE about Asafoetida?

(A) It is a fixed oil
(B) It is an oleo-gum-resin obtained from roots
(C) It is obtained from bark
(D) It contains alkaloids

021. The ARI programme mainly focuses on which age group?

(A) Elderly population
(B) Pregnant women only
(C) Children under five years
(D) Adolescents

022. Which of the following is a macrolide antibiotic?

(A) Amoxicillin
(B) Clindamycin
(C) Azithromycin
(D) Minocycline

023. Sucralose is how many times sweeter than sucrose.

(A) 30-60 (B) 100-200

(C) 300-1000 (D) 400-1000

024. Which programme provides financial protection for hospitalization?

(A) PM-JAY (B) NACP

(C) NVBDCP (D) NLEP

025. Following preservative used in simple syrup USP.

(A) Ascorbic acid (B) Methly Paraben

(C) Both (A) and (B) (D) None of the above

026. The founder of Homeopathy is :

(A) Edward Jenner (B) Sushurta

(C) Samuel Hahnemann (D) Hippocrates

027. Which one of the following anthropod-disease pair is incorrect?

(A) Mosquito-Chikengunia

(B) Sandfly-Kala azar

(C) Rat fleas-Plague

(D) Mosquito-Tularemia

028. Bhasma is formulation prepared by :

(A) Fermentation

(B) Decoction

(C) Calcination of metals/minerals

(D) Oil extraction

029. Which of the following is not a Cholinesterase inhibitor?

(A) Neostigmine

(B) Edrophonium

(C) Tacrine

(D) Carbachol

030. Percentage of moisture present in hard gelatin capsule :

(A) 12-15% (B) 20-30%

(C) 18-20% (D) 5-10%

031. Organoleptic evaluation involve checking :
(A) Chemical content
(B) Taste, color, odor and appearance
(C) Ash value
(D) Extractive value

032. Ashwagandha is mainly used as :
(A) Adaptogen
(B) Laxative
(C) Diuretic
(D) Antibiotic

033. Potent powder is prepared by which method?
(A) Spatulation
(B) Sifting
(C) Geometric dilution
(D) None of the above

034. The period of time during which an infected person or animal is kept away from others to prevent the disease from spreading is termed as _____
(A) Contact tracing
(B) Isolation
(C) Quarantine
(D) Incubation

035. Following is chelating agents except.
(A) EDTA
(B) Polyphosphate
(C) BHA
(D) Citric acid

036. The term "Crude Death Rate" refers to :
(A) Number of deaths per 1000 population in a year
(B) Number of deaths per 10,000 population in a month
(C) Number of deaths due to specific diseases in a population
(D) Number of Infant deaths per 1000 line births.

037. The sense which detect the odor is known as _____
(A) Vision
(B) Gustation
(C) Auditation
(D) Olfaction

038. Which alkaloid is responsible for antihypertensive and sedative action?
(A) Quinine
(B) Ephedrine
(C) Atropine
(D) Reserpine

039. Which type of plastic polymer used for making hospital devices?

(A) PVC
(B) PMMA
(C) PTFE
(D) None of the above

040. Pessaries is given by which route

(A) Rectum
(B) Vagina
(C) Ear
(D) Nose

041. From the followings, _____ is not a lipid soluble hormone.

(A) Calcitriol
(B) Testosterone
(C) Thyroxine
(D) Histamine

042. Which one of the following is a tropane alkaloid acting on the nervous system.

(A) Ephedrine
(B) Hyoscyamine
(C) Caffeine
(D) Vincristine

043. A patient with cardiovascular risk is advised natural supplements which is most suitable?

(A) Omega-3 fatty acids
(B) Processed sugars
(C) Cholesterol-rich diet
(D) Glucose polymers

044. Ispaghula belong to family :

(A) Solanaceae
(B) Apiaceae
(C) Rutaceae
(D) Plantaginaceae

045. Which pharmacoeconomic analysis compares costs and outcomes in natural units (eg. life years gained)?

(A) Cost Minimization Analysis
(B) Cost Effectiveness Analysis
(C) Cost Benefit Analysis
(D) Cost Utility Analysis

046. Which of the following methods does not require an indicator for Analysis?
(A) Acid-base Titration
(B) Redox Titration
(C) Complexometric Titration
(D) Gravimetric Analysis

047. Identify the correct sequence of lymphatic fluid flow from the followings.
(A) Blood capillaries → Interstitial space → lymphatic capillaries → lymphatic vessels → lymphatic duct
(B) lymphatic duct → Interstitial space → lymphatic capillaries → lymphatic vessels → Blood capillaries
(C) Blood capillaries → lymphatic vessels → lymphatic capillaries → Interstitial space → lymphatic duct
(D) Interstitial space → lymphatic vessels → Blood capillaries → lymphatic duct → Interstitial space → lymphatic capillaries

048. Which of the following is not available in tablet dosage form?
(A) Paracetamol
(B) Diazepam
(C) Insulin
(D) Carbamazepine

049. Red blood cells live only about _____ days.
(A) 14.5
(B) 206
(C) 120
(D) 365

050. Which of the following is an antidepressant?
(A) Citalopram
(B) Chlorpromazine
(C) Carbamazepine
(D) Cyclopeniolate HCL

051. Which of the following is a challenge in herbal formulations?
(A) Easy availability
(B) Lack of standardization
(C) Low demand
(D) High toxicity

052. Which year Bengal chemical and pharmaceutical works started producing tetanus antitoxin.
(A) 1925
(B) 1930
(C) 1928
(D) 1932

053. Small volume of parenteral formulation having

(A) Less than 100 ml

(B) Less than 50 ml

(C) Above 100 ml

(D) None of the above

054. Mammary gland is located inside the _____ .

(A) Brain (B) Breast

(C) Heart (D) Kidney

055. Which of the following drug contains a – SH (thiol) group?

(A) Captopril (B) Clonidine

(C) Cyclopentolate (D) Paracetamol

056. The eyes are responsible for the detection of _____, the part of the electro magnetic spectrum with wave lengths ranging from about 400 to 700 nm.

(A) Radio-waves

(B) Gamma rays

(C) Visible light

(D) X-rays

057. Which of the following is NOT included in the scope of pharmacognosy?

(A) Cultivation of medicinal plants

(B) Isolation of phytoconstituents

(C) Study of synthetic drug design

(D) Evaluation of crude drugs

058. (A) : RCH programme improves child survival

(R) : It includes immunization and nutrition services.

(A) Both A and R are true and R explains A

(B) Both A and R are true, but R does not explain A

(C) A is true, R is false

(D) A is false, R is true

059. Cisplatin contains which metal?

(A) Iron (B) Phosphorus

(C) Platinum (D) Palladium

060. Glycosides are hydrolyzed to :

(A) Acid + Base

(B) Sugar + Aglycone

(C) Alcohol + Ketone

(D) Phenol + ether

061. Following is absorption type ointment base except.

(A) Liquid paraffin (B) Wool fat

(C) Bees wax (D) None of the above

062. A patient with high fever, severe headache, pain behind the eyes and joint pain this condition is most likely :

(A) Tuberculosis (B) Dengue

(C) Cholera (D) Measles

063. What is another name of Albuterol?

(A) Salbutamol (B) Naphazoline

(C) Terbutaline (D) Tetrahydrozoline

064. Which dryer is used for preparation of BCG vaccine?

(A) Tray dryer (B) FBD

(C) Both (A) and (B) (D) None of the above

065. Select the correct sentence from the following.

(A) The right kidney is slightly lower than the left

(B) The left kidney is slightly lower than the right

(C) Both kidneys are at the same height

(D) The left kidney is behind the right kidney

066. A city shows increased cases of asthmas, bronchitis and lung irritation over time, Which environmental intervention would be most effective?

(A) Improving sanitation facilities

(B) Controlling vehicular emissions

(C) Providing clean drinking water

(D) Increasing vaccination coverage

067. _____ is not known as Cholinergic Receptors.

(A) Nicotinic receptors

(B) Muscarinic receptors

(C) Parasympathetic receptors

(D) β-receptors

068. Concentration of Benzoic acid in oral liquid dosage form

(A) 0.05-0.1 (B) 0.1-0.2

(C) 0.2-0.5 (D) 0.5-0.6

069. The simple squamous epithelium that lines the heart, blood vessels and lymphatic vessels is known as _____

(A) Epithelium (B) Mesothelium

(C) Endothelium (D) Cardiothelium

070. Which method is used to prepare tincture.

(A) Decoction (B) Infusion

(C) Maceration (D) Percolation

071. Which of the following is not a source of impurities in pharmaceutical substances

(A) Reagents used in the manufacturing process

(B) Chemical process used in manufacturing

(C) Intermediate products in the manufacturing process

(D) Expression of concentration during manufacturing

072. Out of total, 206 bones-Axial skeleton consist _____ numbers of bones.

(A) 126 (B) 80

(C) 100 (D) 14.5

073. Augmentin is the brand name of

(A) Cifixime

(B) Amoxicillin and clavulanic acid

(C) Ciprofloxacin

(D) Azithromycin

074. _____ is the science of body structures and the relationship among them.

(A) Physiology
(B) Anatomy
(C) Histology
(D) Embryology

075. Morphological classification divides drugs in to:

(A) Organized and Unorganized
(B) Alkaloids and Glycosides
(C) Laxatives and Cardiotonics
(D) Taxonomical groups

076. Hydrochloric acid in the GIT is secreted by _____

(A) Chief cells
(B) Parietal cells
(C) Mucous cells
(D) G cells

077. Which of the following is not a beta-adrenergic blocker?

(A) Propranolol
(B) Atenolol
(C) Carvedilol
(D) Prazosin

078. How many nitrogen atoms are present in the purine ring?

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

079. The recommended daily salt intake for an adult should be?

(A) Less than 2 gm/day
(B) Less than 10 gm/day
(C) Less than 5 gm/day
(D) Less than 15 gm/day

080. Herd Immunity is best described as :

(A) Immunity developed after infection
(B) Immunity provided by drugs
(C) Protection of population when a large population is immune
(D) Immunity only in animals

SECTION - 2

081. Which of the following is NOT a programming language?
(A) Python
(B) JavaScript
(C) Visual Basic (VB)
(D) CSS

082. A good written document should begin with :
(A) The conclusion
(B) Complaints
(C) Ambiguity
(D) The purpose

083. Which type of database management system is MySQL?
(A) Relational
(B) Object-oriented
(C) Network
(D) Hierarchical

084. What are the elements of communication?
(A) The sender, the receiver, the message, the channel and feedback
(B) The verbal, non-verbal and physical elements
(C) The face-to-face, phone, email and social media
(D) None of the above

085. Which of these should be avoided for effective listening?
(A) Pre-Listening analysis
(B) Predicting
(C) Team Listening
(D) Listening to structured talks

086. The process by which the receiver interprets the symbols used by the source of the message by converting them into concepts and ideas is called _____ .
(A) Decoding
(B) Encoding
(C) Speaking
(D) Listening

087. Which of the following is an example of visual perception?
(A) Smell of perfume
(B) Taste of food
(C) Reading a book
(D) Touching a ball

088. In Intensive care unit (ICU) setup, computerized patient monitoring systems primarily function to :

(A) Dispense Medications automatically
(B) Continuously track physiological parameters
(C) Replace Physicians
(D) Diagnose all diseases independently

089. Which of the following is NOT a good measure to overcome communication barriers?

(A) Active listening
(B) Emotional control
(C) Using complex jargon
(D) Providing feedback

090. Formal communication is mainly used in :

(A) Families
(B) Playground
(C) Organizations and work places
(D) Social gathering

091. Oral communication is the interchange of :

(A) Verbal message
(B) Clues
(C) Written message
(D) Signs and gestures

092. When is the communication process complete?

(A) When the sender transmits the message
(B) When the message enters the channel
(C) When the message leaves the channel
(D) When the receiver understands the message

093. The subject line of Business letter should be :

(A) Brief, clear and relevant
(B) As long as possible
(C) Irrelevant
(D) None of these

094. Which of the following best describes XML tags?

(A) They are case-insensitive
(B) They are user-defined and can be customized
(C) They are same as HTML tags
(D) They are predefined and cannot be changed

095. Which communication style is characterized by being straight forward, to the point and assertive?

(A) Spirited
(B) Systematic
(C) Considerate
(D) Direct

096. In drug design, QSAR stands for :

(A) Quantitative Solubility - Affinity Relationship
(B) Quantitative Structure - Affinity Relationship
(C) Qualitative Structure - Activity Relationship
(D) Quantitative Structure - Activity Relationship

097. Which protocol is primarily used for communication between a web browser and a web server?

(A) Hyper Text Transfer Protocol
(B) File Transfer Protocol
(C) Simple Mail Transfer Protocol
(D) Simple Network Management Protocol

098. Which communication style is most likely to be effective when giving a performance review?

(A) Direct
(B) Spirited
(C) Systematic
(D) Considerate

099. The primary purpose of barcode medicine identification is to :

(A) To increase manual work
(B) To replace doctors
(C) To ensure the right drug is given to the right patient
(D) To increase inventory costs

100. Which of the following is NOT an application of computers in pharmacy?

(A) Inventory control in pharmacy
(B) Drug information storage and retrieval
(C) Patient record management
(D) Manual prescription writing without any digital support

પરીક્ષા પૂરી થયા બાદ ઉત્તરપત્ર (OMR SHEET) વર્ગ નિરીક્ષકને
પરત કર્યા બાદ જ વર્ગખંડ છોડવાનો રહેશે.
તેમ કરવામાં કસૂર થયેથી તેને શિસ્તભંગનાં પગલાં ગણી
પરીક્ષા માટે ઉમેદવારને ગેરલાયક ઠેરવવામાં આવશે.