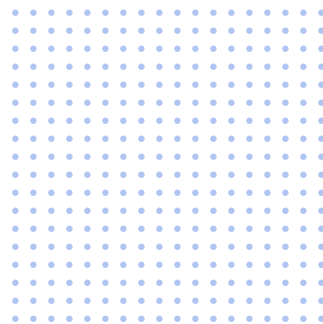




FOR DDCET PREPARATION

DDCET 2024 Question Paper Pharmacy (DP-2024)

EXAM

DDCET

YEAR

2024

TYPE

Question Paper

This Question Booklet contains
16 printed pages

DP-2024

Total Marks : 200

Time : 150 Minutes

Candidate's

Seat No. :

**Question
Booklet
Code :**

A

A
Seal Sticker

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 two sections in this question paper. There are total 100 questions. 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 should select "E" option (Not Attempted). All questions are compulsory.

For Example:

Which state of India has the longest sea shore ?

A ☐ B ☐ C ☒ D ☐ E ☐

(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 enter 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. 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.

6. Both, Candidate's & Supervisor's signature must be done on Certificate of OMR SHEET. Unsigned OMR SHEET would not be considered for evaluation.
7. 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 or any electronic gadgets to examination hall.
8. Use of only Non-scientific / Non-programmable calculator shall allow during examination.
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 (whitner), any corrections are done by candidate by means of blade or rubber or whitner 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.

SPACE FOR ROUGH WORK / રફ કામ માટેની જગ્યા

001. Hydrocolloids used in the suspension increases the _____ of the continuous phase.
- (A) Density (B) Sedimentation rate
- (C) Viscosity (D) Gravitational force
002. As drug particle size is reduced, the surface area is
- (A) Decreases (B) Increases
- (C) No change in surface area (D) Too small
003. Which of the following cells involved in cell-mediated immunity?
- (A) Erythrocytes (B) Mast cells
- (C) T cells (D) Thrombocytes
004. Water attack test is used to identify the alkalinity in
- (A) Type I Glass (B) Type II Glass
- (C) Type III Glass (D) All of the above
005. Soap formed from divalent base produce _____ emulsion.
- (A) o/w type (B) w/o type
- (C) Unstable (D) None of the above
006. Which of the following does not affect the rate of filtration?
- (A) Pressure (B) Temperature
- (C) pH (D) Viscosity
007. Separation of tablet in two or more distinct layer is
- (A) Capping (B) Mottling
- (C) Air entrapment (D) Lamination
008. Enteric coating material used is
- (A) Ethyl cellulose (B) Cellulose acetate phthalate
- (C) Hydroxy propyl ethyl cellulose (D) All of the above

009. Shells of soft gelatin capsule is made elastic by adding
- (A) Sorbitol (B) Lactose
- (C) PEG (D) Povidone
010. The first edition of Indian Pharmacopoeia was published in
- (A) 1994 (B) 1985
- (C) 1966 (D) 1955
011. Wool fat is an example of
- (A) Oleaginous base (B) Absorption base
- (C) Emulsion base (D) Water soluble base
012. Plastic as a packaging material for parenteral products offer all of the following advantages except
- (A) Ease of Storage (B) Unbreakability
- (C) Decreased weight (D) Improved clarity for visual inspection
013. An ideal suppository base must meet all of the following characteristics except
- (A) It should melt below 30°C (B) It should be non-toxic and non-irritant
- (C) It should release medicament readily (D) It should be inert
014. In Deflocculated Suspension
- (A) The Particle exist as separate entities (B) The rate of Sedimentation is slow
- (C) The sediment form a hard cake (D) All of the above
015. Gel property of carbopol / carbomer is affected by
- (A) Solubility (B) Density
- (C) Optical activity (D) pH
016. Depot formulations are also known as
- (A) Slow release preparations (B) Fast release preparations
- (C) Insufflations (D) Elixirs

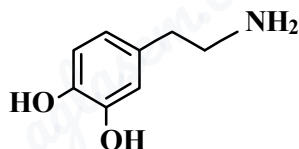
017. "Valium" famous brand name for marketed preparation of

- (A) Alprazolam (B) Diazepam
(C) Nitrazepam (D) Escitalopram

018. Propranolol is prepared by

- (A) α - naphthol (B) β - naphthol
(C) Resorcinol (D) O - cresol

019. Identify structure of drug:



- (A) Chlorpromazine (B) Cyclophosphamide
(C) Dopamine (D) Imipramine

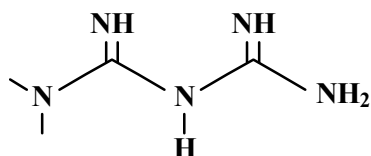
020. Which one of these drug is butyrophenone derivatives used in psychosis.

- (A) Promethazine (B) Meprobamate
(C) Perphenazine (D) Haloperidol

021. Which of these used in glaucoma?

- (A) Propranolol (B) Atenolol
(C) Timolol (D) Metoprolol

022. Identify structure of drug:



- (A) Naphazoline (B) Risperidone
(C) Frusemide (D) Metformin

023. Which of the following known as "Milk of Magnesia" as suspension?

- (A) Potassium Hydroxide (B) Magnesium Hydroxide
(C) Sodium Hydroxide (D) Calcium Hydroxide

024. Which of the following is known as "Green vitriol"

- (A) Ferrous Sulphate (B) Copper Sulphate
(C) Zinc sulphate (D) Sodium Sulphate

025. The cylinder for Nitrous Oxide storage is painted with which colour?
 (A) Grey colour (B) White colour
 (C) Blue colour (D) Yellow colour
026. Venlafaxine is used as _____
 (A) Anti hypertensive agent (B) Anti convulsant agent
 (C) Anti arrhythmic agent (D) Anti depressant agent
027. Which drug is not useful in treatment of tuberculosis?
 (A) Streptomycin (B) Bedaquiline
 (C) Delamanid (D) Gentamycin
028. Find out correct Statement
 (I) Amantadine not exerts its antiviral effect against the influenza B virus.
 (II) Amantadine appears to involve the inhibition of uncoating of RNA virus to there by block the transfer of viral RNA in to host cells.
 (III) Its ability to promote release of dopamine from dopaminergic neurons.
 (A) I & II (B) I & III
 (C) II & III (D) I, II & III
029. Which of the following ring is connected with beta lactam ring in Amoxicillin structure?
 (A) Monobactam ring (B) Carbapene ring
 (C) Oxythiazole ring (D) Thiazolidine ring
030. In limit test for Sulphate, HCL added to
 (A) Decrease the Solution of BaSO_4 (B) Enhance the reaction of BaCl_2
 (C) Prevent the ppt of BaCO_3 (D) Increase the ppt of BaSO_4
031. Which of the following drug used in myasthenia gravis?
 (A) Atropine Sulphate (B) Neostigmine
 (C) Pilocarpine (D) Pralidoxime Chloride
032. What is titrant used in Volhard's method to determine iodide ions?
 (A) Silver nitrate (B) Sodium chloride
 (C) Potassium iodate (D) Potassium dichromate

033. Which physical evaluation parameter determines the adhering dirt and sand in crude drugs?
- (A) Water soluble ash value (B) Acid insoluble ash value
(C) Water soluble extractive value (D) Alcohol soluble extractive value
034. _____ contains hydrolysable tannins that give _____ colour with ferric chloride solution.
- (A) Myrobalan, Blue (B) Black Catechu, Blue
(C) Pale Catechu, Brownish-green (D) Colchicum, Brownish-green
035. The term 'Pharmacognosy' was coined by Seydler in 1815 in his work entitled '_____'.
(A) Papyrus Ebers (B) Analecta Pharmacognostica
(C) Charaka Samhita (D) Indian Pharmacopoeia
036. Which chemical constituent is responsible for the cathartic property of castor oil?
- (A) Mucilage (B) Sennoside A
(C) Ricin protein (D) Ricinoleic acid
037. Which phenolic ether constituent is found in the volatile oil obtained from fennel fruits?
- (A) Fenchone (B) Cineole
(C) Anethole (D) Eugenol
038. Which of the following drug belongs to Nyctaginaceae family?
- (A) Rakta punarnava (B) Bada gokhru
(C) Ipecacuanha (D) Turmeric
039. Which of the following is a regenerated cellulose fiber?
- (A) Cotton (B) Wool
(C) Rayon (D) Silk
040. Which of the following statement is false about Asavas & Aristas?
- (A) They are formed by the process of fermentation
(B) Alcohol is added to facilitate fermentation process
(C) The generated alcohol serves as a preservative
(D) They can be kept indefinitely

041. What is the English Common name of *Strychnos nux vomica* seeds?
- (A) Indian ginseng (B) Devil's dung
(C) Crow fig (D) Ma Huang
042. Which drug has a paralyzing effect on taste-glands?
- (A) Gymnema (B) Cod liver oil
(C) Digitalis (D) Guggal
043. Which of the following acts as a Prebiotic?
- (A) Lactobacilli (B) Bifidobacterium
(C) Inulin (D) Omega-3-fatty acids
044. Which is the general chemical test for alkaloids?
- (A) Dragendorff's test (B) Mayer's test
(C) Wagner's test (D) All of the above
045. Which cosmetic ingredient is aromatic and used in perfumery?
- (A) Aloe vera gel (B) Almond oil
(C) Olive oil (D) Lavendar oil
046. As per the basic principles of Ayurveda, 'Kapha' dosha is made up of _____
- (A) Water and Earth (B) Air and Space
(C) Fire and Water (D) Only Fire
047. Which of the following is not an anti-cancer drug?
- (A) Vinca (B) Podophyllum
(C) Rauwolfia (D) All of the above
048. Which drug is commonly found to be adulterated with dried flowers of *Carthamus tinctorius*?
- (A) Saffron (B) Senna
(C) Clove (D) Capsicum

049. _____ is the longest and the strongest bone of the body.
- (A) Tibia (B) Femur
(C) Fibula (D) Humerus
050. Blood clotting factor-X is known as _____
- (A) Stuart factor (B) Calcium
(C) Fibrinogen (D) Prothromlin
051. Erythrocytes (RBC) consist _____ number of nucleus.
- (A) 14 (B) 100
(C) 3 (D) 0
052. Out of four chamber in heart, _____ wall is more thicker than other.
- (A) Right Ventricle (B) Right Atrium
(C) Left Ventricle (D) Left Atrium
053. The volume of air that can be taken in forced inspiration over and above the tidal volume is known as _____
- (A) Inspiratory reserve volume (B) Tidal volume
(C) Expiratory reserve volume (D) Vital capacity
054. Cranial nerve-I is known as _____
- (A) Optic (B) Olfactory
(C) Vagus (D) Facial
055. Parasympathetic stimulation produce _____ effects on eye (pupil).
- (A) Dilation of pupil size (B) No any effects
(C) Mydriasis (D) Miosis
056. Common bile duct takes the bile juice to _____
- (A) Duodenum (B) Stomach
(C) Ileum (D) Large Intestine

057. Pituitary gland secrete following hormones except _____
- (A) Prolactin (B) Oxytosin
(C) Growth Hormone (D) Calcitonin
058. Insulin is a polypeptide hormone containing _____ amino acids.
- (A) 100 (B) 51
(C) 21 (D) 30
059. Less than _____ of spermatozoa per CC in the semen, do not produce fertilisation.
- (A) 300 millions (B) 20 millions
(C) 20 billions (D) 300 billions
060. There are _____ nephrons in one kidney.
- (A) 1000000000 (B) 10000000
(C) 1000000 (D) 10000
061. _____ bone of the middle ear having anvil like shape.
- (A) Malleus (B) Stapes
(C) Incus (D) Vestibule
062. The posterior portion of the tongue is highly sensitive to _____ substance.
- (A) Sour (B) Salty
(C) Sweet (D) Bitter
063. pH of semen is _____
- (A) 7.2 - 7.7 (B) 3-6
(C) 5-7 (D) 10-13
064. _____ blood group is known as universal donor blood group
- (A) O (B) A
(C) B (D) AB

065. The factors that affect various aspects of health are considered as :
- (A) Indicators of Health (B) Protectors of Health
(C) Determinants of Health (D) All of three
066. Fifty people are suffering from cholera in a population of 5000. Out of 50, suffering from cholera, 10 died. But the total deaths are 50. What is the death rate?
- (A) 1 per 1000 (B) 5 per 1000
(C) 10 per 1000 (D) 20 per 100
067. Sterilization Implants and Surgical Sterilization are examples of :
- (A) Permanent Birth Control (B) Natural Family Planning
(C) Barrier Method (D) Emergency Contraceptives
068. What is the function of Copper-T?
- (A) Checks mutation (B) Stops fertilisation
(C) Stops obliteration of the blastocoel (D) Stops zygote formation
069. The Reproduction and Child Health Programme was formerly launched by Govt. of India on:
- (A) 15th October, 1997 (B) 1st October, 1980
(C) 15th October, 1990 (D) 15th November, 1987
070. Which of the following is not a Mortality Indicator?
- (A) Years of potential life lost (B) Life expectancy
(C) Infant mortality rate (D) Prevalence
071. Which of the following statement is true regarding vaccination?
- (A) Vaccination is a method of passive Immunization
(B) Vaccination is a method of active Immunization
(C) Vaccination is an artificial passive Immunization
(D) Vaccination is a natural passive Immunization
072. All the given vaccines are attenuated or inactivated whole pathogen except :
- (A) Salk (B) Sabin
(C) Tetanus (D) Hepatitis A

073. Which one among the following elements/ions is essential in small quantities for development of healthy teeth but causes mottling of the teeth if consumed in higher quantities?
- (A) Iron (B) Fluoride
(C) Chloride (D) Potassium
074. The vitamin necessary for coagulation of blood is :
- (A) Vitamin K (B) Vitamin B
(C) Vitamin C (D) vitamin E
075. Which of the following is not a body building food?
- (A) Milk (B) Cereals
(C) Pulses (D) Eggs
076. Deficiency of Vitamin D causes :
- (A) Night blindness (B) Beri-Beri
(C) Osteomalacia (D) Scurvy
077. Diseases that are always present in a community usually at a low, more or less constant frequencies are classified as:
- (A) Epidemic (B) Endemic
(C) Pandemic (D) Hyper endemic
078. CMA stands for :
- (A) Cost Minimization Analysis (B) Cost Measurement Analysis
(C) Cost Maximization Analysis (D) None of these
079. Causative agent for Syphilis is :
- (A) Treponema Palladium (B) Neisseria Gonorrhoeae
(C) Lyssa Virus Type-I (D) Brugia Malayi
080. Which is the most common STD caused by bacteria?
- (A) HIV - AIDS (B) Gonorrhoeae
(C) Chlamydia (D) Genital Warts

081. Which of the following is not a component of communication?
- (A) Sender (B) Translator
(C) Message (D) Receiver
082. Which is a part of the process of communication from the following?
- (A) Proxemics (B) Mass
(C) Encoding (D) Writing
083. Barriers to written communication can be _____.
(A) Language (B) Expressions
(C) Verbal (D) None of the above
084. What are some other factors that can affect our communication perspective?
- (A) Past experiences (B) Prejudices
(C) Feelings (D) All of the above
085. Which of these is not an element of the speaking technique?
- (A) Voice Quality (B) Appearance
(C) Word Stress (D) Correct Tones
086. _____ means communication without words.
(A) Written (B) Verbal
(C) Non-verbal (D) Spoken
087. A _____ speaker looks into the eyes of the audience.
(A) Confident (B) Impatient
(C) Rude (D) Impolite
088. When you are talking directly to a person and you can see them, this is called what?
- (A) Non-verbal Communication (B) Body Language
(C) None of these (D) Face to Face
089. Which of these is not a step in the listening process?
- (A) To stop talking (B) Misinterpreting
(C) Receiving (D) Responding

- 090. What are some of the benefits of active listening?**
- (A) It helps to improve communication (B) It helps to build relationships
(C) It helps to resolve conflict (D) All of the above
- 091. How should the subject line be in an email?**
- (A) Long and descriptive (B) A greeting
(C) Short and precise (D) Does not matter
- 092. What is effective written communication?**
- (A) Writing that is clear, concise and easy to understand
(B) Writing that is grammatically correct and free of errors
(C) Writing that is tailored to the audience and purpose
(D) All of the above
- 093. HTML stands for-**
- (A) High Text Machine Language (B) Hyper Text and links Markup Language
(C) Hyper Text Markup Language (D) None of these
- 094. What does XML stand for?**
- (A) Extensible Markup Language (B) Extrapolated Markup Language
(C) Extended Markup Language (D) Exclusive Markup Language
- 095. What is CSS stands for?**
- (A) Cascading Style Sheets (B) Cascade Style Sheet
(C) Color Style Sheets (D) Color Style Sheet
- 096. What command is used to create a new table in SQL?**
- (A) Create Table (B) Build Table
(C) Generate Table (D) None of the above
- 097. OPAC stand for -**
- (A) Offline Public Access Catalogs (B) Online Public Access Catalogs
(C) Online People Access Catalogs (D) Offline People Access Catalogs

098. Barcode Medicine Identification Dispensing is based on five rights of patient as
- (A) Right patient, drug, system, manner, time
 - (B) Right time, drug, Safety, dose, mode
 - (C) Right time, dose, patient, medicine, mode
 - (D) Right mode, patient, doctor, manner, drug
099. ADME in Pharmacokinetics refer to _____.
- (A) Assimilation, Distribution, Management, Excretion
 - (B) Absorption, Distribution, Metabolism, Elimination
 - (C) Assimilation, Differentiation, Metabolism, Excretion
 - (D) Absorption, Differentiation, Metabolism, Elimination
100. ADC in pharmacy stands for -
- (A) Automated Drug Cabinets
 - (B) Automatic Drug Cabinets
 - (C) Automatic Dispensing Cabinets
 - (D) Automated Dispensing Cabinets

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