



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD

सी ई एन - ०४/२०२४ - CEN - 04/2024

Recruitment for Paramedical Categories



RRB Paramedical 2024

All Posts · Question Papers

English

4 Posts · 6 Papers (post + shift) · Official Answer Key

About this Compilation

This booklet contains every **English** question paper of the **RRB Paramedical 2024** (CEN 04/2024) examination held on 28, 29 and 30 April 2025 that our bank holds in **English** — 4 posts, 6 papers (one post in one shift each) — with the correct option marked as per the official answer key.

✓ Correct option (highlighted green)

3 of these 600 questions are not printed in English (3 in Hindi). Our bank holds no English version of them that carries a verified answer key (RRB set some of them in that language in every paper, others were not saved in English), so the stored version is printed instead, marked with a chip. Nothing is machine translated.

Not in this English book: Lab Assistant Grade II (30 Apr 2025) — no English version of these papers is saved (see the English book).

How to use

- Use the **Index** page to jump directly to any set (clickable).
- Each set is one post's paper of one shift; questions appear section by section, numbered 1 onward.
- Diagram and wide-table questions appear at full width at the end of their section.
- The correct answer is highlighted in green with a tick.

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Index — All Sets (click to open)

Set 1 Field Worker 28 Apr 2025 · 9:00 AM - 10:30 AM	Set 4 Pharmacist (Entry Grade) 28 Apr 2025 · 4:30 PM - 6:00 PM
Set 2 Pharmacist (Entry Grade) 28 Apr 2025 · 12:45 PM - 2:15 PM	Set 5 Nursing Superintendent 29 Apr 2025 · 9:00 AM - 10:30 AM
Set 3 Laboratory Superintendent 28 Apr 2025 · 4:30 PM - 6:00 PM	Set 6 Nursing Superintendent 29 Apr 2025 · 4:30 PM - 6:00 PM

General Ability

30 Questions • Answer Key

Q1 General Ability

The AMCA, showcased at Aero India 2025, belongs to which generation of fighter jets?

- A. 1. 5th Generation
- B. 2. 4.5th Generation
- C. 3. 5.5th Generation ✓
- D. 4. 4th Generation

Q2 General Ability

If the radii of curvature of two spherical mirrors are $2X$ and $4Y$ (X and Y are distances), what is the ratio of their focal lengths?

- A. $X/2Y$ ✓
- B. X/Y
- C. $2X/5Y$
- D. $2X/Y$

Q3 General Ability

Which of the following is NOT a primary objective underlying the Directive Principles of State Policy in India?

- A. Guiding the state in formulating policies for the upliftment of the people
- B. Establishing a welfare state that promotes social and economic justice
- C. Providing a framework for reducing inequalities in income through state intervention
- D. Guaranteeing an individual's right to property as an inalienable fundamental right ✓

Q4 General Ability

When was Project Tiger launched by the Government of India with an objective to conserve tiger population?

- A. 1973 ✓
- B. 1990
- C. 1972
- D. 1980

Q5 General Ability

Who among the following set up a network of revolutionaries spanning Punjab, Uttar Pradesh and Delhi areas during the extremist phase of the Indian National Movement?

- A. Chandrashekhar Azad and Bhagat Singh
- B. Lala Lajpat Rai and Bal Gangadhar Tilak
- C. Rasbehari Bose and Sachindranath Sanyal ✓
- D. Khudiram Bose and Prafulla Chaki

Q6 General Ability

What is the role of a commutator in a DC motor?

- A. To increase resistance
- B. To decrease friction
- C. To provide a constant voltage
- D. To reverse the direction of current in the coil ✓

Q7 General Ability

In a certain code language,
'A + B' means 'A is the mother of B',
'A - B' means 'A is the father of B',
'A × B' means 'A is the sister of B' and
'A ÷ B' means 'A is the husband of B'.

How is A related to E if 'A - B ÷ C + D × E'?

- A. Mother's mother
- B. Brother's daughter
- C. Father's father ✓
- D. Mother's brother

Q8 General Ability

Which of the following statements is CORRECT regarding the non- biodegradable substances?

- A. Non Biodegradable substances can enhance the soil fertility
- B. Non-biodegradable substances are fruits, vegetables, and other organic matter.
- C. Non Biodegradable substances decompose easily in natural environment.
- D. Non-biodegradable materials cannot be break down through natural processes ✓



Q9 General Ability

Which of the following is NOT correct regarding the hormones and their functions?

- A. Adrenaline produced from adrenal glands stimulates pituitary gland to release hormones ✓
- B. Thyroxine produced by the thyroid gland, it regulates metabolism
- C. Growth Hormone produced by the pituitary gland, it stimulates growth
- D. Insulin produced by the pancreas, it regulates blood sugar levels

Q10 General Ability

Tarun and Varun move towards town B starting from town A, at a speed of 44 km/h and 66 km/h respectively. If Varun reaches town B 100 minutes earlier than Tarun, what is the distance between towns A and B?

- A. 218 km
- B. 216 km
- C. 220 km ✓
- D. 211 km

Q11 General Ability

Under which Article of the Indian Constitution is the Election Commission of India established, and what is one of its primary functions?

- A. Article 330; to appoint the Chief Election Commissioner only
- B. Article 320; to prepare the electoral rolls
- C. Article 324; to conduct free and fair elections in India ✓
- D. Article 326; to oversee local government elections in India

Q12 General Ability

A scientist prepares four different solutions and measures their pH values:

Solution P: pH = 3
Solution Q: pH = 7
Solution R: pH = 9
Solution S: pH = 13

Which of the following statements is correct regarding the nature of these solutions?

- A. Solution P is neutral, while solution S is highly acidic.
- B. Solution R is neutral, while solution Q is slightly basic.
- C. Solution Q is neutral, while solution R is a highly acidic.
- D. Solution P is acidic, while solution S is strongly basic. ✓

Q13 General Ability

Which Indian startup, backed by Google, successfully launched the country's first private satellite constellation in January 2025, aiming to provide advanced hyperspectral imaging services?

- A. Agnikul Cosmos
- B. Pixxel ✓
- C. Skyroot Aerospace
- D. Dhruva Space

Q14 General Ability

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number results in the second number. Similarly, certain mathematical operation(s) on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

4 – 9 – 81 – 96; 2 – 7 – 49 – 64

- A. 9 – 13 – 169 – 184
- B. 8 – 13 – 181 – 196
- C. 3 – 8 – 64 – 74
- D. 6 – 11 – 121 – 136 ✓

Q15 General Ability

The uterus opens into the vagina through the ____.

- A. Cervix ✓
- B. Vas deferens
- C. Oviduct
- D. Ovary

Q16 General Ability

Who is the editor of the book 'Jammu, Kashmir, and Ladakh Through the Ages' of the Indian Council of Historical Research (ICHR)?

- A. Amitav Ghosh
- B. Raghuvendra Tanwar ✓
- C. Ramachandra Guha
- D. Shashi Tharoor



Q17 General Ability

Which of the following pairs of national parks and the major species protected (for which it is famous) is mismatched?

- A. Sundarbans (West Bengal) – Royal Bengal Tiger
- B. Bandipur (Karnataka) – Rhino and Wild Buffalo ✓
- C. Dachigam (Jammu and Kashmir) – Hangul and Musk Deer
- D. Dudhwa (Uttar Pradesh) – Elephants and Tiger

Q18 General Ability

Due to water crisis 10% of the initial population left the town and 40% of the remaining left the town for pursuing job. If presently 3510 people inhabit the town, what is the ratio of initial population to present population?

- A. 50:27 ✓
- B. 55:34
- C. 53:33
- D. 54:28

Q19 General Ability

In which of the following is a concave mirror NOT used?

- A. Rear view mirrors in vehicles ✓
- B. Torches
- C. Search lights
- D. Vehicle headlights

Q20 General Ability

Which of the following cities is associated with the tomb of Saint Salim Chisti?

- A. Sasaram
- B. Ajmer
- C. Fatehpur Sikri ✓
- D. New Delhi

Q21 General Ability

If the volume of cube is 110592 m^3 , then find the total surface area of cube in m^2 .

- A. 13833
- B. 13824 ✓
- C. 13855
- D. 13864

Q22 General Ability

Seven friends, A, B, C, D, E, F and G, are sitting in a row facing north (necessarily not in the same order). C sits to the immediate right of D. Exactly five people sit between B and A. E sits to the immediate right of B. Only G sits between E and F. How many people sit between D and E?

- A. None
- B. Three
- C. One
- D. Two ✓

Q23 General Ability

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

CRK : EVM
MIW : OMY

- A. ZBP : BFR ✓
- B. XTJ : ZYL
- C. ODU : QIX
- D. LFY : NKB

Q24 General Ability

Post 1991, industrial licensing was abolished for most sectors in India but for a few product categories, the licensing still remained compulsory, such as ____.

- A. textiles, steel and automobiles
- B. alcohol, cigarettes and hazardous chemicals ✓
- C. cloth processing and handloom industries
- D. agricultural machinery and rural products

Q25 General Ability

Which of the following conditions would result in the fastest evaporation of water from an open container?

- A. High humidity, low temperature and still air
- B. High humidity, high temperature and still air
- C. Low humidity, low temperature and moving air
- D. Low humidity, high temperature and moving air ✓

Q26 General Ability

Why does a solution of ethanoic acid turn blue litmus red?

- A. It is an acid. ✓
- B. It is a salt.
- C. It is a base.
- D. It is neutral.



Q27 General Ability

Which of the following tissue is responsible for movement in our body?

- A. Muscle tissue ☒
- B. Nervous tissue
- C. Connective tissue
- D. Epithelial tissue

Q28 General Ability

CE 15 is related to GI 17 in a certain way. In the same way, NP 23 is related to RT 25. To which of the following is HJ 37 related to following the same logic?

- A. LM 39
- B. LN 41
- C. KM 41
- D. LN 39 ☒

Q29 General Ability

A and B can together complete a piece of work in 30 days. They worked together for 20 days and then A left. After another 15 days, B completed the remaining work. In how many days can B complete the entire work alone?

- A. 50
- B. 60
- C. 45 ☒
- D. 54

Q30 General Ability

Three numbers are in the ratio 2 : 3 : 4. If their LCM is 480, then their HCF is:

- A. 80
- B. 20
- C. 40 ☒
- D. 2

Professional Ability

70 Questions • Answer Key

Q31 Professional Ability

What is the formula to calculate mortality rate?

- A. (No.of deaths/total population)X 100
- B. (No.of deaths/ Total population)X 10
- C. (No.of deaths/number of births)X 100
- D. (No.of deaths/total population)X 1000 ☒

Q32 Professional Ability

When planning for the nutritional needs of people in a family, one must understand that the age group with the highest energy requirement is:

- A. 3 to 5 years
- B. over 65 years
- C. 13 to 19 years ☒
- D. birth to 1 year

Q33 Professional Ability

If the gap between pregnancies is less than 3 years how many Td booster doses are required ?

- A. Three
- B. Zero
- C. One ☒
- D. Two



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Q34 Professional Ability

What is the primary goal of family planning programme in relation to target couples?

- A. To reduce the number of births
- B. To improve the health of women and children
- C. To provide couples with access to family planning services ✓
- D. To encourage couples to have more children

Q35 Professional Ability

Which is the innermost fetal membrane?

- A. Amnion ✓
- B. Chorion
- C. Myometrium
- D. Decidua

Q36 Professional Ability

What is the primary symptom of rubella?

- A. Severe headaches
- B. High fever
- C. Vomiting
- D. Maculo papular rash ✓

Q37 Professional Ability

Hyperpigmented discolouration of facial skin during pregnancy is called:

- A. Linea Nigra
- B. Striae gravidarum
- C. Chloasma ✓
- D. Pruritus

Q38 Professional Ability

Which among the following is the female sterilization method?

- A. Diaphragm
- B. Vasectomy
- C. Tubectomy ✓
- D. Norplant

Q39 Professional Ability

In iceberg phenomena of disease, the visible part of the iceberg above the water indicates:

- A. Carriers
- B. Sub-clinical cases
- C. Asymptomatic infections
- D. Clinical cases ✓

Q40 Professional Ability

What is the correct order of hand washing steps ?

- A. Apply soap, wet hands, scrub, rinse, dry
- B. Wet hands, scrub, apply soap, rinse, dry
- C. Scrub, wet hands, apply soap, rinse, dry
- D. Wet hands, apply soap, scrub, rinse, dry ✓

Q41 Professional Ability

Roll-over test is done to detect which of the following gestational disorders?

- A. Thyroid disorders
- B. Anaemia
- C. Hyperemesis gravidarum
- D. Pre-eclampsia ✓

Q42 Professional Ability

The epidemiologic triad of disease causation refers to

- A. Agent , Host, Environment ✓
- B. Source, mode of transmission, susceptible host
- C. Time, place, person
- D. John Snow, Robert Koch, Kenneth Rothman

Q43 Professional Ability

Which of the following measures is best to be followed when a person is having allergic rhinitis?

- A. Rubbing the nose and face
- B. Using decongestant
- C. Identifying and avoiding allergens ✓
- D. Exposure to heat



Q44 Professional Ability

What is the main cause of blindness in trachoma ?

- A. Skin lesion
- B. Nerve damage
- C. Corneal scarring ✓
- D. Retinopathy

Q45 Professional Ability

Which of the following methods can be used for obtaining Vital statistics ?

- A. Registration method ✓
- B. Crude death rate
- C. Dependency ratio
- D. Crude birth rate

Q46 Professional Ability

Embryonic period is considered between:

- A. 14-16 weeks
- B. 16-20 weeks
- C. 4-8 weeks ✓
- D. 8-12 weeks

Q47 Professional Ability

In managing a patient on her second postpartum day, which type of Lochial discharge you should expect?

- A. Lochia serosa
- B. Lochia metra
- C. Lochia rubra ✓
- D. Lochia alba

Q48 Professional Ability

Which of the following medications is routinely administered to a newborn?

- A. Ceftriaxone
- B. Aspirin
- C. Vitamin B12
- D. Vitamin K ✓

Q49 Professional Ability

Which among the following factors leads to post-traumatic stress disorder among individuals ?

- A. Personal experience ✓
- B. Cultural factor
- C. Genetic factor
- D. Social factor

Q50 Professional Ability

Which of the following population are mostly affected by measles ?

- A. Infant and young children ✓
- B. Old age
- C. Young adults
- D. Adolescents

Q51 Professional Ability

Infectious disease is defined as

- A. A disease that is transferred through genes
- B. A disease that can transfer from person to person ✓
- C. A disease that transmits from chromosomes
- D. A disease that transmits when people communicate through phone

Q52 Professional Ability

Which one of the following measure is taken to reduce the risk of Preterm labour?

- A. Skipping meals
- B. Doing strenuous Exercise
- C. Avoiding infections ✓
- D. Consuming over the counter drugs for minor ailments management

Q53 Professional Ability

The cluster of cells which resemble mulberry after fertilization is called:

- A. Trophoblast
- B. Zygote
- C. Morula ✓
- D. Blastocyst



Q54 Professional Ability

What is the chest compression and breath ratio in neonatal resuscitation?

A. 1:5

B. 3:1



C. 1:3

D. 3:2

Q55 Professional Ability

Which of the following vaccines is given at birth to protect against TB?

A. BCG



B. MR

C. DPT

D. OPV

Q56 Professional Ability

Which hormonal method of contraception is safe for breastfeeding women?

A. Combined pills

B. Vaginal Rings

C. Hormonal Patches

D. Progestin-only Pill



Q57 Professional Ability

What is the primary advantage of demand feeding?

A. It ensures the baby gets exactly the same amount of milk at each feeding

B. It allows the mother to easily plan her day around feeding times

C. It helps to establish a predictable sleep schedule

D. It promotes a healthier milk supply by responding to the baby's needs



Q58 Professional Ability

At what age is the MR vaccine typically administered ?

A. 12 weeks

B. 9 months



C. 12 months

D. 6 weeks

Q59 Professional Ability

Which among the following behavioural patterns is reflected during the infancy period?

A. More independent and expressive

B. Basic emotional expression and interaction with familiar faces



C. Social skills and imagination

D. Identity formation and peer influence

Q60 Professional Ability

Which one of the following is an objective of antenatal care ?

A. To identify and prevent perinatal mortality and morbidity



B. To facilitate cultural beliefs about birth

C. To facilitate non- institutional deliveries

D. To encourage unwanted birth

Q61 Professional Ability

Which of the following is a component of the pentavalent vaccine ?

A. Hepatitis B



B. Measles

C. Polio

D. Rubella

Q62 Professional Ability

Which of the following is NOT a common symptom of acute respiratory infections ?

A. Sore Throat

B. Stomach ache



C. Fever

D. Runny Nose

Q63 Professional Ability

Which type of viral hepatitis is transmitted through contaminated food and water ?

A. Hepatitis D

B. Hepatitis C

C. Hepatitis A



D. Hepatitis B



Q64 Professional Ability

Which among the following is a danger sign of Pre eclampsia?

- A. Pyrexia
- B. Itching
- C. Nausea ,vomiting
- D. Oliguria



Q65 Professional Ability

Which of these is NOT a common COVID -19 symptom?

- A. A cough
- B. Blurred vision
- C. Unusual fatigue
- D. Inability to taste and smell



Q66 Professional Ability

Which of the following is a viral disease of the salivary glands ?

- A. Croup
- B. Whooping cough
- C. Mumps
- D. Diphtheria



Q67 Professional Ability

Good infection prevention and control measures are aim to protect which of the following groups of people ?

- A. Only health workers
- B. Patient ,Health workers , Family members and public
- C. Only patients
- D. Only Family members



Q68 Professional Ability

Which postnatal complication can occur due to improper hygiene ?

- A. Vaginal tear
- B. Mastitis
- C. Post partum haemorrhage
- D. Postpartum depression



Q69 Professional Ability

Endometrium of the pregnant uterus is called:

- A. Blastomere
- B. Trophoblast
- C. Chorionic plate
- D. Decidua



Q70 Professional Ability

The placenta is originated from:

- A. Decidua capsularis
- B. Decidua vera
- C. Chorionic frondosum
- D. Inner cell mass



Q71 Professional Ability

Which among the following is the management protocol in Cord Prolapse?

- A. Inform the mother to be in side lying position
- B. Try to replace the cord
- C. To lift the presenting part off the cord by the gloved finger
- D. Allow the mother to walk



Q72 Professional Ability

How does the Multi-Load 375 intrauterine device act?

- A. Stimulation of ovulation
- B. Stimulation of hormone release
- C. Increasing fertility capacity of sperm
- D. Spermicidal effect



Q73 Professional Ability

Which of the following are considered vital events?

- A. Economic activities in a region
- B. Political events in a country
- C. Births ,deaths ,marriages and divorces
- D. Natural disasters



Q74 Professional Ability

Which of the following environmental factors can significantly impact health?

- A. Family history
- B. Personal belief
- C. Diet and exercise
- D. Air and water quality



Q75 Professional Ability

The "corona" in corona virus means

- A. Sun
- B. Strong
- C. Beer
- D. Crown



Q76 Professional Ability

Which of the following nutrients is needed to build and maintain structural components of the body?

- A. Fat
- B. Proteins
- C. Carbohydrates
- D. Minerals



Q77 Professional Ability

Which of the following can be prevented by screening?

- A. Cancer of Lungs
- B. Cancer of Cervix
- C. Cancer of Breast
- D. Cancer of Prostate



Q78 Professional Ability

Peer group influence on behavioural pattern is observed among which group of people?

- A. Infants
- B. Adolescents
- C. Old aged
- D. Toddlers



Q79 Professional Ability

Which is the most common cause of blindness in India according to the survey?

- A. Glaucoma
- B. Corneal opacity
- C. Refractive errors
- D. Cataract



Q80 Professional Ability

During which stage of the natural history of disease do individuals exhibit symptoms and seek medical care ?

- A. Subclinical stage
- B. Preclinical stage
- C. Clinical stage
- D. Acute stage



Q81 Professional Ability

At 16-24 months of age, which of the following booster dose of vaccine is given?

- A. Rotavirus
- B. Hepatitis B
- C. DPT
- D. Measles



Q82 Professional Ability

A nuchal translucency (NT) scan helps in detecting which of the following ?

- A. Abruption placenta
- B. Down's syndrome
- C. Placenta previa
- D. Polyhydramnios



Q83 Professional Ability

Which of the following populations is most likely to have a longer preclinical stage for a given disease ?

- A. Children
- B. Pregnant women
- C. Individuals with compromised immune systems
- D. Older adults



Q84 Professional Ability

Which type of nutrition education is given to a patient diagnosed with diabetes mellitus?

- A. Low fibre diet
- B. Consistent carbohydrate consumption ✓
- C. Irregular meal timing
- D. High sugar intake

Q85 Professional Ability

Which of the following screening tests helps in identifying Gestational diabetes?

- A. GCT ✓
- B. BSE
- C. CST
- D. NST

Q86 Professional Ability

What is the route of administration of DPT vaccine among Infants ?

- A. Oral
- B. SC
- C. IM ✓
- D. ID

Q87 Professional Ability

Highest part of the uterus that is fundus become palpable per abdomen from which gestational week onwards ?

- A. 18 weeks
- B. 6 weeks
- C. 12 weeks ✓
- D. 24 weeks

Q88 Professional Ability

What is the primary purpose of quarantine ?

- A. To prevent the spread of contagious disease ✓
- B. To punish individuals who have been exposed to a disease
- C. To provide medical treatment for those who are ill
- D. To identify individuals who are sick

Q89 Professional Ability

Which of the following heart valves is most commonly affected in rheumatic heart disease ?

- A. Tricuspid valve
- B. Mitral valve ✓
- C. Aortic valve
- D. Pulmonary valve

Q90 Professional Ability

What is the timing of insertion of PPIUCDs after normal vaginal delivery?

- A. Within 48 hours ✓
- B. After 4 weeks
- C. Within 1 week
- D. Within 10 days

Q91 Professional Ability

How often sanitary pads or menstrual cups are changed to maintain hygiene during menstruation?

- A. Only when they are full
- B. Every 2-3 hours
- C. Every 4-6 hours ✓
- D. Every 8-10 hours

Q92 Professional Ability

The assessment of a family's nutritional needs should take into account:

- A. age, ethnicity, weight, religion and social status
- B. age, height and weight
- C. physiological needs, religion, cultural and age-related needs, requirements and requests ✓
- D. age, ethnicity, weight and social status

Q93 Professional Ability

Which of the following measures is taken while doing per vaginal examination to avoid infection?

- A. Do not empty the bladder
- B. Wear sterile pair of gloves ✓
- C. Applying vaginal creams
- D. Use vaginal douches



Q94 Professional Ability

A 32-week pregnant patient presents with painless vaginal bleeding and is suspected of having placenta praevia. Which procedure is most appropriate to confirm the diagnosis safely?

A. Ultrasound



B. External fetal monitoring

C. Amniocentesis

D. Digital or speculum examination

Q95 Professional Ability

Which is the drug of choice in the management of eclampsia ?

A. Clonazepam

B. Valporic acid

C. MgSO₄



D. Carbamazepine

Q96 Professional Ability

What is the causative agent of leprosy?

A. Streptococcus pyogenes

B. Bordetella pertussis

C. Mycobacterium tuberculosis

D. Mycobacterium leprae



Q97 Professional Ability

Why are couples with 2-3 living children considered a target couple in family planning programme?

A. They are more likely to accept and utilise family planning services

B. They are a priority group for family planning services



C. They have a higher risk of unwanted pregnancies

D. They are susceptible to STDs

Q98 Professional Ability

What is the recommended timing for the Tdap vaccine during pregnancy?

A. First trimester

B. Between 27 and 36 weeks of pregnancy



C. As soon as after confirming pregnancy

D. Second trimester

Q99 Professional Ability

Which of the following factors is necessary for a healthy person?

A. Eating processed food

B. Sleeping too late

C. Skipping meals

D. Regular exercise



Q100 Professional Ability

What is the common major complication of retained placental fragments ?

A. Rupture of uterus

B. Post partum haemorrhage



C. Uterine prolapse

D. Postpartum depression



General Ability

30 Questions • Answer Key

Q1 General Ability

Who among the following was posthumously awarded the Padma Vibhushan in January 2025 for his or her contributions to literature and education?

- A. Kumudini Lakhia ✓
- B. MT Vasudevan Nair
- C. Sharda Sinha
- D. Osamu Suzuki

Q2 General Ability

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. RTU ✓
- B. NPO
- C. JLK
- D. FHG

Q3 General Ability

Who was sworn in as the Chief Minister of Maharashtra on 5 December 2024, following the state assembly elections?

- A. Uddhav Thackeray
- B. Ajit Pawar
- C. Devendra Fadnavis ✓
- D. Eknath Shinde

Q4 General Ability

What is the work done in moving a charge of 10 C between two points with a potential difference of 14 V?

- A. 10 J
- B. 14 J
- C. 140 J ✓
- D. 1.4 J

Q5 General Ability

The Dachigam Sanctuary, located in Jammu and Kashmir in India, is home to which of the following species?

- A. Indian bison
- B. Hippopotamus
- C. One-horned rhinoceros
- D. Snow leopard ✓

Q6 General Ability

Which constitutional amendment to the Indian Constitution introduced a Legislative Assembly for the Union Territory of Delhi?

- A. 1. 69th Amendment ✓
- B. 2. 74th Amendment
- C. 3. 61st Amendment
- D. 4. 42nd Amendment

Q7 General Ability

Which transformative reform was introduced in 2016, aiming to create 'one nation, one tax and one market' in India?

- A. Introduction of the Direct Tax Code
- B. Implementation of the Goods and Services Tax ✓
- C. Revision of the Customs Act for certain goods
- D. Nationalisation of state banks

Q8 General Ability

Six boxes A, B, C, D, E and F are kept one over the other but not necessarily in the same order. B is kept second from the bottom. Only one box is kept between B and F. Only three boxes are kept between C and D. D is kept immediately below B. Only two boxes are kept between A and E. A is kept immediately above C. Which box is third from the bottom?

- A. F
- B. A
- C. C
- D. E ✓



Q9 General Ability

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All piles are quantities.
All stores are quantities.

Conclusions:

(I): Some piles are stores.
(II): Some quantities are stores.

- A. 1. Only conclusion (II) follows ✓
- B. 2. Only conclusion (I) follows
- C. 3. Both conclusions (I) and (II) follow
- D. 4. Neither conclusion (I) nor (II) follows

Q10 General Ability

Bleaching powder is a white solid with a strong chlorine smell. It is commonly used in:

- A. making fertilisers and plastics
- B. manufacturing cement and glass
- C. preserving food and softening water
- D. disinfecting water and bleaching fabrics ✓

Q11 General Ability

Which of the following correctly lists the sections of the Western Coastal Plains in India?

- A. Konkan Coast, Karnataka Coast and Malabar Coast ✓
- B. Karnataka Coast, Eastern Coast and Malabar Coast
- C. Northern Circar Coast, Malabar Coast and Coromandel Coast
- D. Konkan Coast, Coromandel Coast and Vembanad Coast

Q12 General Ability

Which one of the following monuments, constructed during the Mughal rule, is situated on the bank of river Yamuna?

- A. Taj Mahal ✓
- B. Akbar's Tomb
- C. Panch Mahal
- D. Jama Masjid

Q13 General Ability

Which of the following is correct regarding complex permanent tissue of plants?

- A. Xylem is responsible for transporting organic nutrients
- B. Phloem is responsible for transporting water
- C. These tissues are plant tissues that consist of one type of cell
- D. These tissues are essential for the plant's transport system ✓

Q14 General Ability

For image formation by a concave mirror, which of the following statements is true?

- A. The nature of the image is real and erect when the object is at the centre of curvature.
- B. The size of the image is enlarged when the object is placed at infinity.
- C. An object placed at the focus forms a highly diminished image.
- D. At the centre of curvature, the size of the image is the same as the size of the object. ✓

Q15 General Ability

Which of the following options is true about carbon compound combustion?

- A. Needs more oxygen for complete combustion ✓
- B. Burns without oxygen
- C. Always forms carbon monoxide
- D. Never produces water

Q16 General Ability

Which of the following sexual maturation changes occur in females?

- A. Skin decreased oil production
- B. Narrowing of hips
- C. The breasts begin to grow ✓
- D. Stop of the menstrual cycle

Q17 General Ability

A vendor sold 20 chocolates for a rupee, thereby gaining 35%. How many did he buy for a rupee?

- A. 29
- B. 27 ✓
- C. 31
- D. 33



Q18 General Ability

Which of the following sacrificed their lives for the protection of Khejri trees?

- A. Savita Devi Bishnoi
- B. Amrita Devi Bishnoi** ✓
- C. Sunita William
- D. Sunita Devi

Q19 General Ability

Which of the following statements about sensitivity in plants is INCORRECT?

- A. Plants have specialized Nervous tissues for conducting information.** ✓
- B. Chemotropism is the growth response of plants to chemical stimuli in their environment.
- C. Plants exhibit phototropism by growing towards the light source.
- D. Thigmotropism is the response of plants to touch or physical contact.

Q20 General Ability

Under Article 74 of the Indian Constitution, the Union Council of Ministers is mandated to aid and advise which authority?

- A. The Prime Minister of India
- B. The Lok Sabha Speaker
- C. The Supreme Court of India
- D. The President of India** ✓

Q21 General Ability

Who among the following social reformers worked to promote widow remarriage during the Indian National Movement?

- A. Swami Vivekananda
- B. Jyotirao Phule
- C. Ishwarchandra Vidyasagar** ✓
- D. EV Ramaswamy Naicker

Q22 General Ability

Harish and Vineet move towards town B starting from town A, at a speed of 35 km/h and 36 km/h respectively. If Vineet reaches town B 40 minutes earlier than Harish, what is the distance between towns A and B?

- A. 834 km
- B. 838 km
- C. 841 km
- D. 840 km** ✓

Q23 General Ability

Identify the element whose given valency does not match its typical valency.

Element	Atomic number	Given valency
Be	4	2
Ne	10	0
Al	13	3
F	9	7

- A. Al
- B. F** ✓
- C. Ne
- D. Be

Q24 General Ability

18 is related to 107 following a certain logic. Following the same logic, 21 is related to 125. To which of the given options is 14 related, following the same logic?

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- A. 91
- B. 95
- C. 83** ✓
- D. 87

Q25 General Ability

The angle of deviation for a ray of light after passing through a prism is ____.

- A. the angle of the prism
- B. indeterminate
- C. the angle between the emergent ray and incident ray** ✓
- D. the angle between the incident ray and one of the sides of the prism



Q26 General Ability

The Indian government launched a new digital health initiative in 2025, to improve healthcare accessibility and interoperability of medical data. What is the name of this initiative?

A. Ayushman Bharat Digital Mission 2.0



B. Digital India Healthcare 2025

C. Bharat AI Health Grid

D. National Health Stack Expansion

Q27 General Ability

Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. ZS – EN

B. EA – JV

C. CO – HJ

D. MQ – RK

**Q28 General Ability**

Find the circumference (in m) of the largest circle that can be inscribed in a rectangle whose dimensions are given as 49 m and 94 m.

take $\pi = \frac{22}{7}$

A. 154



B. 159

C. 149

D. 163

Q29 General Ability

The value of $\left(\frac{4}{7}\right) \times \left(\frac{21}{20}\right) + \left(\frac{6}{5} - 9\right)$ is

A. $-\frac{36}{5}$



B. $-\frac{29}{3}$

C. $-\frac{39}{8}$

D. $-\frac{35}{9}$



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Q30 General Ability

A and B can together complete a piece of work in 25 days. They worked together for 20 days and then B left. After another 10 days, A completed the remaining work. In how many days can A complete the entire work alone?

A. 50



B. 60

C. 40

D. 54

Professional Ability

70 Questions • Answer Key

Q31 Professional Ability

Hydrogen peroxide vapour sterilisation differs from ethylene oxide in that it:

A. Is non-flammable

B. Leaves no toxic residues



C. Requires higher temperatures

D. Cannot sterilise implants

Q32 Professional Ability

In determining the absolute bioavailability, systemic availability of a drug administered orally is determined by comparing it with:

A. sublingual administration

B. rectal administration

C. intramuscular administration

D. intravenous administration

**Q33 Professional Ability**

Glutaraldehyde is used as a/an:

A. fungicide

B. antibiotic

C. antiseptic

D. surface disinfectant

**Q34 Professional Ability**

Child proof packing is regulated through the:

A. Pharmacy Council of India

B. Poison Prevention Rule

C. Poison Prevention Packaging Guideline

D. Poison Prevention Packaging Act

**Q35 Professional Ability**

Sympathetic stimulation of the bladder causes:

A. Increased urine production

B. Detrusor relaxation and internal sphincter contraction



C. External sphincter relaxation

D. Detrusor contraction and internal sphincter relaxation

Q36 Professional Ability

Feedback inhibition is also termed as:

A. initial product inhibition

B. latent enzyme activation

C. compartmentation

D. end product inhibition

**Q37 Professional Ability**

Which of the following is a plasma volume expander?

A. Heparins

B. Apixaban

C. Human Albumin



D. Vitamin K

Q38 Professional Ability

Which interaction reduces the efficacy of boric acid?

A. Mixing with alkaline solutions



B. Combination with antibiotics

C. Exposure to sunlight

D. Storage at high temperatures



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Q39 Professional Ability

Ethylene oxide gas sterilisation requires:

- A. No aeration period
- B. Immediate use post-sterilisation
- C. High humidity and sealed chambers ✓
- D. Direct sunlight exposure

Q40 Professional Ability

Characteristics of consumer behaviour is a process where consumer decides whether:

- A. what to sell
- B. what to buy ✓
- C. what to endorse
- D. what to advertise

Q41 Professional Ability

Cell death which is caused by tissue injury is known as:

- A. Phagocytosis
- B. Pinocytosis
- C. Apoptosis
- D. Necrosis ✓

Q42 Professional Ability

Which material is preferred for parenteral drug packaging due to chemical inertness?

- A. Polyethylene
- B. Polyvinyl chloride
- C. Aluminium foil
- D. Borosilicate glass ✓

Q43 Professional Ability

What is the advantage of non per oral extravascular routes over other routes?

- A. Faster degradation of drug
- B. Enhanced gastrointestinal motility
- C. Avoidance of first pass metabolism ✓
- D. Enhanced first pass metabolism

Q44 Professional Ability

The study of the poisonous effect of drugs is known as:

- A. Pharmacotherapeutics
- B. Toxicology ✓
- C. Clinical pharmacology
- D. Pharmacy

Q45 Professional Ability

Which of the following is an example of absorption interaction?

- A. Folic acid - Phenytoin
- B. Tetracycline - Milk ✓
- C. PAS - Probenecid
- D. Corticosteroids - Barbiturates

Q46 Professional Ability

A single antibody molecule comprises of _____ polypeptide chains.

- A. three
- B. two
- C. four ✓
- D. six

Q47 Professional Ability

What is the full form of MFR?

- A. Master Formula Register
- B. Manufacturing Formula Record
- C. Master Formula Record ✓
- D. Main Formula Register

Q48 Professional Ability

Flocculation in colloidal suspensions refers to:

- A. Reversible aggregation of particles ✓
- B. Irreversible particle coalescence
- C. Complete dissolution of particles
- D. Uniform particle distribution



Q49 Professional Ability

Which of the following is incorrect statement in relation to adverse drug reaction?

- ☒ A. Type B is a known and dose related reaction
- ☐ B. Type B reactions occurs due to pharmacologically known reaction of drug.
- ☐ C. Type A reactions are also termed as predictable reaction
- ☐ D. Type A reaction is patient dependent reaction

Q50 Professional Ability

Which of the following is an anti-hyperlipidemic drug?

- ☐ A. Tirofiban
- ☒ B. Lovastatin
- ☐ C. Ticagrelor
- ☐ D. Rivaroxaban

Q51 Professional Ability

Which of the following components in functional foods helps improve digestive health?

- ☐ A. Preservatives
- ☐ B. Artificial sweeteners
- ☒ C. Probiotics
- ☐ D. Antioxidants

Q52 Professional Ability

Which channel strategy maximizes profitability for high-margin speciality drugs?

- ☒ A. Direct-to-hospital sales
- ☐ B. Mass-market retail
- ☐ C. Third-party distributors
- ☐ D. Discounted online platforms

Q53 Professional Ability

A combination of Aspirin and Paracetamol is said to have:

- ☒ A. Additive drug combinations
- ☐ B. Supraadditive drug combinations
- ☐ C. Functional antagonism
- ☐ D. Antagonist effect

Q54 Professional Ability

Coronary angioplasty is treatment done in the case of:

- ☒ A. Angina Pectoris
- ☐ B. Myocardial infarction
- ☐ C. Arrhythmia
- ☐ D. Edema

Q55 Professional Ability

Validation of chemical sterilisation cycles includes measuring:

- ☐ A. colour change indicators
- ☐ B. pH of the solution
- ☒ C. contact time and concentration
- ☐ D. temperature only

Q56 Professional Ability

What does GACP stand for in the context of pharmaceutical and herbal product development?

- ☐ A. Global Association for Clinical Pharmacy
- ☒ B. Good Agricultural and Collection Practice
- ☐ C. Good Analytical and Clinical Practices
- ☐ D. General Agricultural and Cultivation Policy

Q57 Professional Ability

Anticholinesterase are is commonly used as:

- ☐ A. Fungicide
- ☐ B. Industrial pesticide
- ☒ C. Agricultural and household insecticide
- ☐ D. Agricultural fertilizer

Q58 Professional Ability

In an exothermic reaction, enthalpy is:

- ☐ A. zero
- ☐ B. both negative and positive
- ☒ C. only negative
- ☐ D. only positive



Q59 Professional Ability

Which indicator is ideal for titrating acetic acid (weak acid) with sodium hydroxide (strong base)?

- A. Litmus
- B. Phenolphthalein
- C. Bromophenol blue
- D. Methyl red

Q60 Professional Ability

Acid-base catalysis involves:

- A. Use of metal ions as catalysts
- B. Formation of a covalent bond with the substrate
- C. Transfer of electrons between reactants
- D. Donation/acceptance of protons by the catalyst

Q61 Professional Ability

'Orange peel effect' can be mitigated by:

- A. Slowing down the coating pan speed
- B. Decreasing spray distance
- C. Adding more talc to the coating formula
- D. Using a finer spray nozzle

Q62 Professional Ability

Orally administered osmotic pump is an example of:

- A. an immediate release drug delivery system
- B. a controlled drug delivery system
- C. a delayed release drug delivery system
- D. a prolonged release drug delivery system

Q63 Professional Ability

What type of reaction occurs when alkanes react with oxygen?

- A. Substitution
- B. Combustion
- C. Addition
- D. Elimination

Q64 Professional Ability

Which of the following is based on highly specific biological interactions between two molecules?

- A. Affinity chromatography
- B. HPLC
- C. Gas chromatography
- D. Gel electrophoresis

Q65 Professional Ability

What quantitative tool evaluates the success of a new drug launch?

- A. Sales growth percentage
- B. Brand association studies
- C. Customer testimonials
- D. Focus group feedback

Q66 Professional Ability

Cartilaginous framework of external nose is made up of:

- A. Hyaline cartilage
- B. Cricoid cartilage
- C. Conchae bone
- D. Superior nasal concha

Q67 Professional Ability

Which disorder is characterised by autoimmune demyelination of CNS neurons?

- A. Meningitis
- B. Epilepsy
- C. Multiple sclerosis
- D. Huntington's disease

Q68 Professional Ability

Which of the following is a Carbonic Anhydrase Inhibitors?

- A. Telmisartan
- B. Torsemide
- C. Acetazolamide
- D. Furosemide



Q69 Professional Ability

Which branch of pharmacology studies "what the drug does to the body"?

- A. Pharmacokinetics
- B. Pharmacodynamics ✓
- C. Pharmacovigilance
- D. Pharmacotherapeutics

Q70 Professional Ability

Prazosin is a:

- A. Non-selective α -blocker
- B. β 2 agonist
- C. α 1-selective blocker ✓
- D. β 1-selective blocker

Q71 Professional Ability

According to quality guidelines, Q2 signifies:

- A. analytical validation ✓
- B. stability
- C. good manufacturing practice
- D. pharmaceutical quality system

Q72 Professional Ability

Cidofovir is primarily used to treat:

- A. Cytomegalovirus (CMV) retinitis ✓
- B. Herpes simplex virus infections
- C. Hepatitis C
- D. Influenza A

Q73 Professional Ability

How is bioequivalence statistically evaluated?

- A. Pearson correlation
- B. Kaplan-Meier analysis
- C. Analysis of variance (ANOVA) ✓
- D. Chi-square test

Q74 Professional Ability

The volume capacity of a size 1 hard capsule is approximately:

- A. 0.7 mL
- B. 0.5 mL ✓
- C. 1.0 mL
- D. 1.5 mL

Q75 Professional Ability

Child proof packing must meet the performance specifications outlined in:

- A. Quality standards
- B. CFR ✓
- C. Schedules
- D. GMP

Q76 Professional Ability

Interferon- α produced via rDNA technology is primarily used to treat:

- A. Hypertension
- B. Asthma
- C. Diabetes mellitus
- D. Chronic hepatitis C ✓

Q77 Professional Ability

Phase 2 of equipment validation refers to:

- A. process validation phase ✓
- B. pre-validation phase
- C. design qualification
- D. validation maintenance phase

Q78 Professional Ability

What is the main purpose of consuming functional foods?

- A. To support specific body functions and prevent diseases ✓
- B. To gain weight quickly
- C. To replace regular medicines
- D. To enhance flavour in meals



Q79 Professional Ability

Which of the following governing bodies is constituted every five years by the Central Government?

- A. State pharmacy council
- B. State tribunals
- C. Drug inspector
- D. Pharmacy council of India** ✓

Q80 Professional Ability

Meiosis results in _____ number of cells are formed.

- A. 16
- B. 2
- C. 4** ✓
- D. 32

Q81 Professional Ability

The most common type of kidney stone is composed of:

- A. Struvite
- B. Uric acid
- C. Calcium oxalate** ✓
- D. Cystine

Q82 Professional Ability

How does the inspiratory flow rate affect drug deposition in dry powder inhalers?

- A. Lower flow rates improve lung deposition
- B. Flow rate has no impact
- C. Higher flow rates enhance deep lung deposition** ✓
- D. Higher flow rates decrease fine particle fraction

Q83 Professional Ability

Quaternary ammonium compounds (QACs) are:

- A. Anionic surfactants
- B. Cationic surfactants** ✓
- C. Phenolic derivatives
- D. Biguanides

Q84 Professional Ability

The purpose of carrying out distillation under reduced pressure is to:

- A. enhance the efficacy of the distillation process
- B. avoid thermal degradation of molecules** ✓
- C. enhance the boiling point of mixtures
- D. separate of azeotropes and liquids of similar volatility

Q85 Professional Ability

Which of the following best describes a free radical?

- A. An unstable molecule with unpaired electrons.** ✓
- B. A compound that always benefits the body.
- C. A molecule that only exists in vitamins.
- D. A stable molecule with paired electrons.

Q86 Professional Ability

Which of the following is/are used to make a homogeneously dispersed aerosol preparation?

- A. Glidant
- B. Binder
- C. Surfactants** ✓
- D. Detergents

Q87 Professional Ability

A person is eligible for pharmacy registration if she or he:

- A. has been engaged in the compounding of drugs in a hospital or dispensary for not less than three months
- B. has been engaged in the dispensing of drugs for not less than six months
- C. has a degree or diploma in pharmacy from an Indian University or a State Government** ✓
- D. has been engaged in the compounding of drugs in a hospital or dispensary for not less than six months

Q88 Professional Ability

Global acceptance of herbal drug standards is facilitated by :

- A. National pharmacopoeias
- B. Traditional medicine registries
- C. ICH harmonization efforts** ✓
- D. Mutual recognition agreements



Q89 Professional Ability

Which structure prevents the backflow of stomach acid into the esophagus?

- A. Sphincter of Oddi
- B. Lower esophageal sphincter ✓
- C. Ileocecal valve
- D. Pyloric sphincter

Q90 Professional Ability

Identify, which of the following is not a liquid dosage form?

- A. Tablet ✓
- B. Enemas
- C. Ear drops
- D. Nasal drops

Q91 Professional Ability

Serotonin syndrome is most likely caused by combining Selective Serotonin Reuptake Inhibitors with:

- A. Monoamine oxidase inhibitors ✓
- B. Beta-blockers
- C. Non-steroidal anti-inflammatory drugs
- D. Diuretics

Q92 Professional Ability

Which of the following is an example of fibrous joints?

- A. Labrum
- B. Symphysis
- C. Syndesmoses ✓
- D. Synchondrosis

Q93 Professional Ability

ASUDTAB stands for:

- A. Ayurvedic, Siddha and Unani Drugs Advisory Board
- B. Ayurvedic, Siddha and Unani Drugs Technical Advisory Committee
- C. Ayurvedic, Siddha and Unani Drugs Technical Adjuvant Board
- D. Ayurvedic, Siddha and Unani Drugs Technical Advisory Board ✓

Q94 Professional Ability

Under the Pharmacy Act 1948, who constitutes the State Pharmacy Council?

- A. Only government officials
- B. Elected pharmacists and government nominees ✓
- C. Members appointed by the Central Council
- D. Representatives from medical colleges

Q95 Professional Ability

Good manufacturing practice is a part of:

- A. safety guidelines
- B. efficacy guidelines
- C. multidisciplinary guidelines
- D. quality management systems ✓

Q96 Professional Ability

Which agency oversees pharmacovigilance in India?

- A. Food and Drug Administration (FDA)
- B. Central Drugs Standard Control Organisation (CDSCO) ✓
- C. World Health Organization (WHO)
- D. European Medicines Agency (EMA)

Q97 Professional Ability

The final electron acceptor in the electron transport chain is :

- A. Cytochrome c
- B. Coenzyme Q
- C. Oxygen ✓
- D. ATP synthase

Q98 Professional Ability

Glassware and metal ware can be sterilised through:

- A. disinfection
- B. chemical sterilisation
- C. gaseous sterilisation
- D. dry heat sterilisation ✓



Q99 Professional Ability

What is the optical device used to draw images from a microscope called?

- A. Scanning electron microscope
- B. Stage micrometer
- C. Optical microscope
- D. Camera lucida



Q100 Professional Ability

Non-competitive antagonism differs from competitive antagonism by:

- A. Dose-dependent reversal
- B. Acting on the same receptor site
- C. Reduced maximal response even at high agonist doses
- D. Reversible receptor binding



General Ability

30 Questions · Answer Key

Q1 General Ability

Rohan starts from Point A and drives 4 km towards East. He then takes a right turn, drives 3 km, turns left and drives 6 km. He then takes a left turn and drives 3 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

- A. 7 km towards South
- B. 13 km towards East
- C. 3 km towards North
- D. 13 km towards West



Q2 General Ability

Why is a coordinated effort from all the levels of government essential for sustainable development?

- A. It helps integrate socio-economic development with environmental sustainability.
- B. It allows for the privatisation of environmental resources.
- C. It delays the implementation of sustainable practices.
- D. It ensures that only economic issues are addressed.



Q3 General Ability

What is the increased credit limit under the Modified Interest Subvention Scheme for Kisan Credit Cards (KCC) as announced in the Union Budget 2025?

- A. ₹1 lakh
- B. ₹3 lakh
- C. ₹2 lakh
- D. ₹5 lakh



Q4 General Ability

Which Indian film won the Best Film Award at the Asian Film Awards 2025?

- A. The White Tiger
- B. All We Imagine As Light
- C. Gully Boy
- D. The Disciple



Q5 General Ability

Under which Article of the Indian Constitution does the Supreme Court of India have original jurisdiction to adjudicate disputes between the Government of India and one or more States, or between different States?

- A. Article 136
- B. Article 132
- C. Article 226
- D. Article 131



Q6 General Ability

Which key feature of Thomson's Atomic Model helped explain the electrical neutrality of an atom?

- A. The positive charge was concentrated in the centre.
- B. The positive and negative charges are equal in magnitude.
- C. Electrons revolved around the nucleus in fixed orbits.
- D. The nucleus contained both, protons and neutrons.



Q7 General Ability

Which of the following options describes the enforceability of the Directive Principles of State Policy in India?

- A. They are binding on the legislature and the executive, with penalties for non-compliance.
- B. They are non-justiciable guidelines and cannot be enforced by courts.
- C. They are enforceable only by the Supreme Court when Fundamental Rights are violated.
- D. They are enforceable like Fundamental Rights and can be directly challenged in the courts.



Q8 General Ability

A man receives ₹8680 per month as salary. He saves 65% of his salary every month. His expenditure per month is:

- A. ₹3038
- B. ₹2995
- C. ₹2959
- D. ₹3043



Q9 General Ability

The focus of a spherical mirror lies 18 cm from the pole of the mirror. What is the position of the centre of curvature in cm from the pole of the mirror?

A. 36 cm



B. 9 cm

C. 27 cm

D. 40 cm

Q10 General Ability

Which of the following factor is NOT responsible for the survival of species over time?

A. Habitat availability

B. Astrological Signs



C. Reproduction

D. Variation

Q11 General Ability

Consider the following statements regarding the reactivity series of metals. Which of these statements is/are correct?

Statement I: A piece of iron placed in a solution of copper sulfate gradually develops a reddish layer.

Statement II: Copper is more reactive than iron and replaces it in the solution.

A. Only Statement 1 is true



B. Both statements are false

C. Only Statement 2 is true

D. Both statements are true

Q12 General Ability

Which committee's recommendations have long been influential in defining the poverty line in India using a consumption expenditure approach?

A. Sachar Committee

B. Rangarajan Committee

C. Tendulkar Committee



D. Balakrishnan Committee

Q13 General Ability

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the pair in which the numbers are related in the same way as are the numbers of the following pairs.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

59, 71.6

86, 98.6

A. 92, 106.6

B. 41, 63.6

C. 77, 91.6

D. 65, 77.6

**Q14 General Ability**

Who among the following was the intended target of the bomb thrown at a carriage by Khudiram Bose and Prafulla Chaki in 1908?

A. Governor-General Lord Curzon

B. Viceroy Lord Hardinge

C. Magistrate Douglas Kingsford



D. Lord Ripon

Q15 General Ability

Which of the following is NOT correct regarding connective tissue?

A. Ligaments connect bone to bone

B. Areolar connective tissue is found between the skin and muscle

C. Tendons connect muscle to bone

D. Fat storing adipose tissue is found above the skin



Q16 General Ability

Each of L, M, N, O, W, X and Y has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. Only Y has exam before X. Only three people have exam between M and X. Only three people have exam between L and O. W has exam on some day before O and on some day after N. How many people have exam after L?

- A. One
- B. Three
- C. Four
- D. Two

Q17 General Ability

If the lateral surface area of a cylinder is 336.4 cm^2 and its height is 23 cm, then find its volume. (Use $\pi = 3.14$ and round off to two decimal place)

- A. $1.372.99 \text{ cm}^3$
- B. $2.391.74 \text{ cm}^3$
- C. $3.370.76 \text{ cm}^3$
- D. $4.384.33 \text{ cm}^3$

Q18 General Ability

Tarun and Varun move towards town B starting from town A, at a speed of 57 km/h and 60 km/h respectively. If Varun reaches town B 33 minutes earlier than Tarun, what is the distance between towns A and B?

- A. 627 km
- B. 625 km
- C. 633 km
- D. 619 km

Q19 General Ability

Why do the hydrophobic tails of soap molecules stay inside the micelles?

- A. They are repelled by water.
- B. They dissolve completely in water.
- C. They are strongly attracted to water.
- D. They form chemical bonds with water.

Q20 General Ability

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

WIB UFX SCT QZP ?

- A. OWL
- B. MUM
- C. NVJ
- D. NYK

Q21 General Ability

Which of the following glands secretes growth hormone?

- A. Ovaries
- B. Pituitary gland
- C. Thyroid gland
- D. Testes

Q22 General Ability

Under which scheme will the registered gig workers on the e-Shram portal receive healthcare benefits in 2025?

- A. Pradhan Mantri Awas Yojana (PMAY)
- B. Pradhan Mantri Kisan Samman Nidhi (PM-KISAN)
- C. Atal Pension Yojana (APY)
- D. Ayushman Bharat PM Jan Arogya Yojana (AB-PM-JAY)

Q23 General Ability

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

ACT123, IKB110, QSJ97, YAR84, ?

- A. GIM71
- B. LIZ71
- C. GOZ71
- D. GIZ71

Q24 General Ability

The image formed by a convex mirror is always ____.

- A. erect and diminished
- B. erect and of same size as the object
- C. inverted and diminished
- D. inverted and of same size as the object



Q25 General Ability

Which of the following statements is correct about the nucleus?

- A. The nucleus contains mitochondria
- B. Nucleus has a single layer covering
- C. Nuclear membrane has pores ✓
- D. The nucleus contains chloroplast

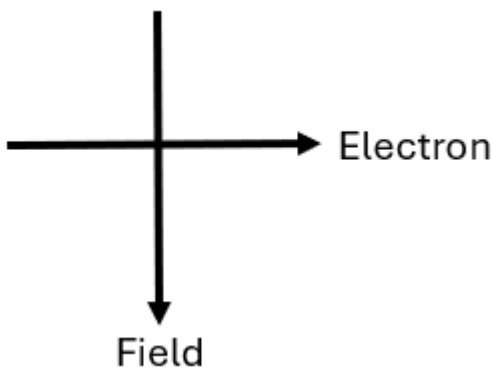
Q26 General Ability

Select the correct pairing between a Himalayan division and a notable geographical feature associated with it:

- A. Lesser Himalayas – Bara Lacha-La
- B. Valleys located between the Lesser Himalayas and the Outer Himalayas – Duns ✓
- C. Lesser Himalayas – Mount Everest
- D. Valleys located between the Greater Himalayas and the Lesser Himalayas – Duns

Q28 General Ability

What will be the direction of the force based on the direction of current and magnetic field as shown in the figure?



- A. To the left
- B. To the right
- C. Out of the page ✓
- D. Into the page

Q27 General Ability

Which ruler is associated with the construction of the famous Alahi Darwaja also called Alai Darwaja?

- A. Firoz Shah Tughlaq
- B. Mohammad Bin Tughlaq
- C. Ala-ud-din Khalji ✓
- D. Jalal-ud-din Khalji



Q29 General Ability

The value of $\left(\frac{5}{8}\right) \times \left(\frac{24}{25}\right) + \left(\frac{9}{5} - 4\right)$ is

A. $-\frac{6}{7}$

B. $-\frac{8}{5}$ ✓

C. $\frac{1}{4}$

D. $-\frac{2}{3}$

Q30 General Ability

4 men and 6 women can complete a piece of work in 8 days, while 3 men and 7 women can complete it in 10 days. In how many days will 16 women complete it?

A. 36

B. 25 ✓

C. 16

D. 40

Professional Ability

70 Questions • Answer Key

Q31 Professional Ability **HINDI**

प्रयोगशाला में कवक संवर्धन के लिए निम्नलिखित में से कौन-सा माध्यम सबसे अधिक प्रयुक्त किया जाता है?

A. सैबोरोड डेक्सट्रोस ऐगार (Sabouraud dextrose agar) ✓

B. मैककॉन्की ऐगार (MacConkey agar)

C. रूधिर ऐगार (Blood agar)

D. चॉकलेट ऐगार (Chocolate agar)

Q33 Professional Ability **HINDI**

निम्नलिखित में से कौन-सा रक्त घटक कार्बन डाइऑक्साइड को फेफड़ों तक वापस ले जाने में सहायता करता है?

A. RBCs में हीमोग्लोबिन (Haemoglobin in RBCs) ✓

B. बिंबाणु (Platelets)

C. प्रतिपिंड (Antibodies)

D. ऐल्ब्यूमिन (Albumin)

Q32 Professional Ability

Which of the following is NOT a rapid diagnostic method for viral infections?

A. Lateral flow immunoassay (LFIA)

B. Nucleic acid amplification tests (NAAT)

C. Gel electrophoresis ✓

D. Enzyme-linked immunosorbent assay (ELISA)

Q34 Professional Ability

What is the main principle behind the Wassermann reaction for detecting syphilis?

A. Complement fixation ✓

B. Hemagglutination inhibition

C. Direct agglutination of bacterial cells

D. Antigen-antibody precipitation



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Q35 Professional Ability

Why is fixation necessary before decalcification?

- A. To reduce the time needed for decalcification
- B. To preserve cellular and tissue structures ✓
- C. To increase calcium removal
- D. To harden tissue for sectioning

Q36 Professional Ability

Which of the following is considered a chemical method of sterilization?

- A. Radiation
- B. Boiling
- C. Filtration
- D. Ethylene oxide gas ✓

Q37 Professional Ability

Which aldehyde is commonly used in the aldehyde test for detecting visceral leishmaniasis?

- A. Paraformaldehyde
- B. Acetaldehyde
- C. Glutaraldehyde
- D. Formaldehyde ✓

Q38 Professional Ability

Which container should be used to collect a stool sample for parasite examination?

- A. Clean, dry, wide-mouthed container ✓
- B. Syringe
- C. Glass jar with alcohol
- D. Metal box

Q39 Professional Ability

Robert Koch is best known for _____.

- A. Discovering penicillin
- B. Identifying the causative agents of tuberculosis and cholera ✓
- C. Developing antiseptic surgery
- D. Inventing the microscope

Q40 Professional Ability

Which cryoprotectant is commonly added to biological specimens for long-term storage at -80°C or below to prevent ice crystal formation?

- A. Dimethyl sulphoxide (DMSO) ✓
- B. Sodium fluoride
- C. Ethanol
- D. Sodium citrate

Q41 Professional Ability

Which of the following should be calibrated regularly to ensure accurate microbial quantification using optical density?

- A. Microscope
- B. Hot air oven
- C. Spectrophotometer ✓
- D. Incubator

Q42 Professional Ability

Which of the following stains is most commonly used for routine tissue examination in histopathology?

- A. Wright's stain
- B. Giemsa stain
- C. Haematoxylin and Eosin (H and E) stain ✓
- D. Gram stain

Q43 Professional Ability

Which cytokine plays a key role in eosinophil differentiation and proliferation?

- A. TNF-alpha
- B. Interleukin-4 (IL-4)
- C. Interleukin-5 (IL-5) ✓
- D. Interleukin-2 (IL-2)

Q44 Professional Ability

Which of the following is a common type of cytological specimen?

- A. Bone biopsy
- B. Surgical resection
- C. Tissue block
- D. Pap smear ✓



Q45 Professional Ability

In the disk diffusion method for antifungal susceptibility, the results are measured by:

- A. The number of colonies
- B. The turbidity in the broth
- C. The zone of inhibition around the disk ✓
- D. The color change in the media

Q46 Professional Ability

What does the presence of increased white blood cells (WBC) in synovial fluid most likely indicate?

- A. Dehydration
- B. Normal condition
- C. Low blood sugar
- D. Inflammation or infection ✓

Q47 Professional Ability

Which of the following is NOT a type of immunoassay?

- A. Western blot
- B. ELISA
- C. RIA
- D. PCR ✓

Q48 Professional Ability

What is the primary reason for collecting a throat swab sample?

- A. To diagnose respiratory infections ✓
- B. To detect lung diseases
- C. To test for digestive issues
- D. To access kidney function

Q49 Professional Ability

The adrenal medulla secretes which hormone?

- A. Insulin
- B. Aldosterone
- C. Cortisol
- D. Epinephrine ✓

Q50 Professional Ability

Which enzyme is commonly used in ELISA tests?

- A. Catalase
- B. Helicase
- C. Horseradish peroxidase (HRP) ✓
- D. Lipase

Q51 Professional Ability

What is the clinical significance of Mean Cell Volume (MCV) reported by an automated haematology analyser?

- A. It helps classify types of anaemia ✓
- B. It measures white cell activity
- C. It reflects haemoglobin concentration
- D. It indicates clotting ability

Q52 Professional Ability

In sputum processing, the acid-fast bacilli (AFB) test is used to diagnose which condition?

- A. Tuberculosis ✓
- B. Pneumonia
- C. Chronic bronchitis
- D. Asthma

Q53 Professional Ability

Which stain is commonly used for identifying malarial parasites in blood smears?

- A. India ink
- B. Ziehl-Neelsen stain
- C. Giemsa stain ✓
- D. Gram stain

Q54 Professional Ability

The SI unit for creatinine in blood is _____.

- A. mmol/L
- B. g/L
- C. $\mu\text{mol/L}$ ✓
- D. mg/dL



Q55 Professional Ability

Which of the following is a good quality in a disinfectant?

- A. It is hard to store
- B. It kills germs quickly ✓
- C. It smells very bad
- D. It is not effective on microbes

Q56 Professional Ability

The principle of moist heat sterilization is based on _____.

- A. Denaturation of proteins ✓
- B. Low temperature and high pressure
- C. Dehydration of microbial cells
- D. Freezing and thawing cycles

Q57 Professional Ability

CSF is commonly collected to detect infections in which organ?

- A. Heart
- B. Lungs
- C. Liver
- D. Brain ✓

Q58 Professional Ability HINDI

निम्नलिखित में से कौन-सी, सामाजिक संरचना की प्राथमिक इकाई है?

- A. चिकित्सालय
- B. सरकार
- C. परिवार ✓
- D. विद्यालय

Q59 Professional Ability

Absolute eosinophil count (AEC) is calculated by:

- A. Counting the eosinophils in a fixed volume of blood
- B. Dividing the eosinophil percentage by the total WBC count
- C. Subtracting the eosinophil percentage from the total WBC count
- D. The percentage of eosinophil is multiplied by white blood cells ✓

Q60 Professional Ability

Which of the following is a vector-borne parasitic infection?

- A. Amoebiasis
- B. Ascariasis
- C. Giardiasis
- D. Malaria ✓

Q61 Professional Ability

Which of the following best defines "development" in psychology?

- A. A progressive series of changes that occur in an orderly predictable pattern ✓
- B. The growth of the body
- C. Sudden changes in personality
- D. A decline in mental functions

Q62 Professional Ability

Which of the following is a rapid diagnostic test used to detect viral infections?

- A. Blood agar test
- B. Gram stain
- C. ELISA ✓
- D. Western blot

Q63 Professional Ability

The cholesterol levels in the blood are most commonly measured in which units?

- A. Milligrams per deciliter ✓
- B. Moles per liter
- C. Micromoles per liter
- D. Grams per liter

Q64 Professional Ability

Cytopathology is best defined as _____.

- A. Analysis of chemical changes in blood
- B. Study of whole organ systems
- C. Examination of individual cells to detect disease ✓
- D. Study of genes and chromosomes



Q65 Professional Ability

Which of the following parasites causes amoebic dysentery?

- A. Balantidium coli
- B. Entamoeba histolytica ✓
- C. Cryptosporidium parvum
- D. Giardia lamblia

Q66 Professional Ability

Which of the following is the correct first step in tissue processing?

- A. Sectioning
- B. Clearing
- C. Fixation ✓
- D. Embedding

Q67 Professional Ability

What color do acid-fast organisms appear in modified Ziehl-Neelsen stain?

- A. Green
- B. Red or pink ✓
- C. Blue
- D. Yellow

Q68 Professional Ability

Eosinophils are a type of _____.

- A. Red blood cells
- B. White blood cells ✓
- C. Platelets
- D. Muscle cells

Q69 Professional Ability

Which condition is associated with increased blood glucose levels?

- A. Diabetes mellitus ✓
- B. Insulinoma
- C. Hypothyroidism
- D. Addison's disease

Q70 Professional Ability

Which organism causes the disease detected by VDRL?

- A. Chlamydia trachomatis
- B. Haemophilus ducreyi
- C. Neisseria gonorrhoeae
- D. Treponema pallidum ✓

Q71 Professional Ability

In serology, what is the role of an antigen?

- A. To fight infection
- B. To transport oxygen
- C. To bind with specific antibodies ✓
- D. To produce enzymes

Q72 Professional Ability

Which microscope is used to observe immunofluorescence?

- A. Phase contrast microscope
- B. Bright-field microscope
- C. Electron microscope
- D. Fluorescence microscope ✓

Q73 Professional Ability

Which neutralising agent is most suitable when evaluating quaternary ammonium compound disinfectants during an in-use test?

- A. Tween 80 with lecithin ✓
- B. Sodium thiosulphate
- C. Ethanol
- D. Formalin

Q74 Professional Ability

Which tube is generally used for collecting blood for viral serology?

- A. Fluoride tube
- B. EDTA tube
- C. Plain (red-top) tube ✓
- D. Heparin tube



Q75 Professional Ability

In the broth dilution method, the lowest concentration of the antifungal agent at which no visible growth occurs is called _____.

- A. Minimum bactericidal concentration (MBC)
- B. Minimum inhibitory concentration (MIC)** ✓
- C. Effective concentration (EC)
- D. Minimum lethal concentration (MLC)

Q76 Professional Ability

Which of the following tests is commonly used to confirm a positive Wassermann reaction?

- A. Dark field microscopy of lesion exudates
- B. FTA-ABS (Fluorescent Treponemal Antibody Absorption) test** ✓
- C. PCR for *Treponema pallidum* DNA
- D. RPR (Rapid Plasma Reagin) test

Q77 Professional Ability

Which of the following biological samples is most commonly used for diagnosing fungal infections in the lungs?

- A. Blood
- B. Urine
- C. Sputum** ✓
- D. Stool

Q78 Professional Ability

The Widal test is a type of _____.

- A. Precipitation test
- B. Neutralization test
- C. ELISA
- D. Agglutination test** ✓

Q79 Professional Ability

Which endocrine gland is located in the neck and shaped like a butterfly?

- A. Thymus
- B. Thyroid gland** ✓
- C. Adrenal gland
- D. Pituitary gland

Q80 Professional Ability

In cholesterol estimation, what is the role of the reagent sulfuric acid in the Liebermann-Burchard method?

- A. To precipitate other lipids
- B. To dissolve cholesterol
- C. To produce a coloured complex with cholesterol** ✓
- D. To oxidize cholesterol

Q81 Professional Ability

The presence of malignant cells in body fluids indicates _____.

- A. Healthy cells
- B. Inflammation
- C. Infection
- D. Cancer or tumors** ✓

Q82 Professional Ability

IQ stands for:

- A. Intelligence Quotient** ✓
- B. Intelligent Quotient
- C. Intelligence Question
- D. Intelligence Quality

Q83 Professional Ability

Which of the following immunoassay types is most suitable for detecting small molecules like hormones and drugs?

- A. Agglutination assay
- B. Competitive ELISA** ✓
- C. Sandwich ELISA
- D. Indirect ELISA

Q84 Professional Ability

Which reagent is typically used in the clearing step of tissue processing?

- A. Ethanol
- B. Formalin
- C. Paraffin
- D. Xylene** ✓



Q85 Professional Ability

In the Cytospin technique, how are cells deposited onto the slide?

- A. By filtration
- B. By centrifugation** ✓
- C. By direct application from a pipette
- D. By evaporation

Q86 Professional Ability

What does VTM stand for?

- A. Virus Tube Method
- B. Very Tight Medium
- C. Viral Tracing Medium
- D. Viral Transport Medium** ✓

Q87 Professional Ability

Which of the following molecule is primarily responsible for initiating the process of protein digestion in the stomach?

- A. Cholecystokinin
- B. Pepsin** ✓
- C. Trypsin
- D. Amylase

Q88 Professional Ability

Which coagulant is preferred for arterial blood gas (ABG) analysis?

- A. EDTA
- B. Sodium fluoride
- C. Sodium citrate
- D. Lithium heparin** ✓

Q89 Professional Ability

The branch of sociology that focuses on health and illness is called _____.

- A. Rural sociology
- B. Medical sociology** ✓
- C. Clinical sociology
- D. Cultural sociology

Q90 Professional Ability

Which of the following is the most common site for venous blood collection?

- A. Femoral vein
- B. Radial artery
- C. Dorsal hand vein
- D. Median cubital vein** ✓

Q91 Professional Ability

The presence of protein in urine is referred to as _____.

- A. Ketonuria
- B. Glucosuria
- C. Proteinuria** ✓
- D. Haematuria

Q92 Professional Ability

Which of the following components of bile is responsible for the emulsification of fats during digestion?

- A. Bilirubin
- B. Bile salts** ✓
- C. Cellulose
- D. Cholesterol

Q93 Professional Ability

Pleural fluid is collected from which part of the body?

- A. Spinal cord
- B. Lungs** ✓
- C. Abdominal cavity
- D. Knee joint

Q94 Professional Ability

What is the definition of Minimum Inhibitory Concentration (MIC)?

- A. Concentration at which bacteria are most active
- B. Lowest concentration that kills all bacteria
- C. Highest concentration tested
- D. Lowest concentration that inhibits visible growth** ✓



Q95 Professional Ability

A prolonged bleeding time test usually indicates a problem with _____.

- A. white blood cell count
- B. red blood cell count
- C. platelet function
- D. haemoglobin levels



Q96 Professional Ability

Neisser's stain is used to identify which of the following bacteria?

- A. Salmonella
- B. Diphtheria
- C. Clostridium
- D. Tubercle bacilli



Q97 Professional Ability

Fine Needle Aspiration Cytology (FNAC) is used to collect samples from _____.

- A. Internal organs or masses
- B. Tissue blocks
- C. Stool
- D. Hair



Q98 Professional Ability

Which of the following media is used to grow most non-fastidious organisms?

- A. MacConkey agar
- B. Nutrient agar
- C. Blood agar
- D. Chocolate agar



Q99 Professional Ability

Which of the following enzymes is NOT typically measured in a liver function test?

- A. Alkaline phosphatase
- B. Alanine aminotransferase
- C. Aspartate aminotransferase
- D. Amylase



Q100 Professional Ability

A decrease in serum urea levels is commonly seen in which of the following conditions?

- A. Chronic kidney disease
- B. Dehydration
- C. Liver cirrhosis
- D. High-protein diet



General Ability

30 Questions • Answer Key

Q1 General Ability

The image formed by a convex mirror is always ____.

- A. erect and diminished ✓
- B. erect and of same size as the object
- C. inverted and diminished
- D. inverted and of same size as the object

Q2 General Ability

Which of the following factor is NOT responsible for the survival of species over time?

- A. Habitat availability
- B. Astrological Signs ✓
- C. Reproduction
- D. Variation

Q3 General Ability

If the lateral surface area of a cylinder is 336.4 cm^2 and its height is 23 cm, then find its volume.
(Use $\pi = 3.14$ and round off to two decimal place)

- A. 1. 372.99 cm^3
- B. 2. 391.74 cm^3 ✓
- C. 3. 370.76 cm^3
- D. 4. 384.33 cm^3

Q4 General Ability

The focus of a spherical mirror lies 18 cm from the pole of the mirror. What is the position of the centre of curvature in cm from the pole of the mirror?

- A. 36 cm ✓
- B. 9 cm
- C. 27 cm
- D. 40 cm

Q5 General Ability

Which ruler is associated with the construction of the famous Alahi Darwaja also called Alai Darwaja?

- A. Firoz Shah Tughlaq
- B. Mohammad Bin Tughlaq
- C. Ala-ud-din Khalji ✓
- D. Jalal-ud-din Khalji

Q6 General Ability

Tarun and Varun move towards town B starting from town A, at a speed of 57 km/h and 60 km/h respectively. If Varun reaches town B 33 minutes earlier than Tarun, what is the distance between towns A and B?

- A. 627 km ✓
- B. 625 km
- C. 633 km
- D. 619 km

Q7 General Ability

Consider the following statements regarding the reactivity series of metals. Which of these statements is/are correct?
Statement I: A piece of iron placed in a solution of copper sulfate gradually develops a reddish layer.
Statement II: Copper is more reactive than iron and replaces it in the solution.

- A. Only Statement 1 is true ✓
- B. Both statements are false
- C. Only Statement 2 is true
- D. Both statements are true

Q8 General Ability

What is the increased credit limit under the Modified Interest Subvention Scheme for Kisan Credit Cards (KCC) as announced in the Union Budget 2025?

- A. ₹1 lakh
- B. ₹3 lakh
- C. ₹2 lakh
- D. ₹5 lakh ✓



Q9 General Ability

Which of the following options describes the enforceability of the Directive Principles of State Policy in India?

- A. They are binding on the legislature and the executive, with penalties for non-compliance.
- B. They are non-justiciable guidelines and cannot be enforced by courts. ✓
- C. They are enforceable only by the Supreme Court when Fundamental Rights are violated.
- D. They are enforceable like Fundamental Rights and can be directly challenged in the courts.

Q10 General Ability

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

WIB UFX SCT QZP ?

- A. OWL ✓
- B. MUM
- C. NVJ
- D. NYK

Q11 General Ability

Who among the following was the intended target of the bomb thrown at a carriage by Khudiram Bose and Prafulla Chaki in 1908?

- A. Governor-General Lord Curzon
- B. Viceroy Lord Hardinge
- C. Magistrate Douglas Kingsford ✓
- D. Lord Ripon

Q12 General Ability

Which Indian film won the Best Film Award at the Asian Film Awards 2025?

- A. The White Tiger
- B. All We Imagine As Light ✓
- C. Gully Boy
- D. The Disciple

Q13 General Ability

Which of the following is NOT correct regarding connective tissue?

- A. Ligaments connect bone to bone
- B. Areolar connective tissue is found between the skin and muscle
- C. Tendons connect muscle to bone
- D. Fat storing adipose tissue is found above the skin ✓

Q14 General Ability

Which committee's recommendations have long been influential in defining the poverty line in India using a consumption expenditure approach?

- A. Sachar Committee
- B. Rangarajan Committee
- C. Tendulkar Committee ✓
- D. Balakrishnan Committee

Q15 General Ability

Under which Article of the Indian Constitution does the Supreme Court of India have original jurisdiction to adjudicate disputes between the Government of India and one or more States, or between different States?

- A. Article 136
- B. Article 132
- C. Article 226
- D. Article 131 ✓

Q16 General Ability

Why is a coordinated effort from all the levels of government essential for sustainable development?

- A. It helps integrate socio-economic development with environmental sustainability. ✓
- B. It allows for the privatisation of environmental resources.
- C. It delays the implementation of sustainable practices.
- D. It ensures that only economic issues are addressed.



Q17 General Ability

Each of L, M, N, O, W, X and Y has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. Only Y has exam before X. Only three people have exam between M and X. Only three people have exam between L and O. W has exam on some day before O and on some day after N.

How many people have exam after L?

- A. One
- B. Three
- C. Four
- D. Two

Q18 General Ability

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

ACT123, IKB110, QSJ97, YAR84, ?

- A. GIM71
- B. LIZ71
- C. GOZ71
- D. GIZ71

Q19 General Ability

Why do the hydrophobic tails of soap molecules stay inside the micelles?

- A. They are repelled by water.
- B. They dissolve completely in water.
- C. They are strongly attracted to water.
- D. They form chemical bonds with water.

Q20 General Ability

Which key feature of Thomson's Atomic Model helped explain the electrical neutrality of an atom?

- A. The positive charge was concentrated in the centre.
- B. The positive and negative charges are equal in magnitude.
- C. Electrons revolved around the nucleus in fixed orbits.
- D. The nucleus contained both, protons and neutrons.

Q21 General Ability

A man receives ₹8680 per month as salary. He saves 65% of his salary every month. His expenditure per month is:

- A. ₹3038
- B. ₹2995
- C. ₹2959
- D. ₹3043

Q22 General Ability

Which of the following statements is correct about the nucleus?

- A. The nucleus contains mitochondria
- B. Nucleus has a single layer covering
- C. Nuclear membrane has pores
- D. The nucleus contains chloroplast

Q23 General Ability

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the pair in which the numbers are related in the same way as are the numbers of the following pairs.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

59, 71.6
86, 98.6

- A. 92, 106.6
- B. 41, 63.6
- C. 77, 91.6
- D. 65, 77.6

Q24 General Ability

Rohan starts from Point A and drives 4 km towards East. He then takes a right turn, drives 3 km, turns left and drives 6 km. He then takes a left turn and drives 3 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

- A. 7 km towards South
- B. 13 km towards East
- C. 3 km towards North
- D. 13 km towards West



Q25 General Ability

Which of the following glands secretes growth hormone?

- A. Ovaries
- B. Pituitary gland ✓
- C. Thyroid gland
- D. Testes

Q26 General Ability

Under which scheme will the registered gig workers on the e-Shram portal receive healthcare benefits in 2025?

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The value of $\left(\frac{5}{8}\right) \times \left(\frac{24}{25}\right) + \left(\frac{9}{5} - 4\right)$ is

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Q29 General Ability

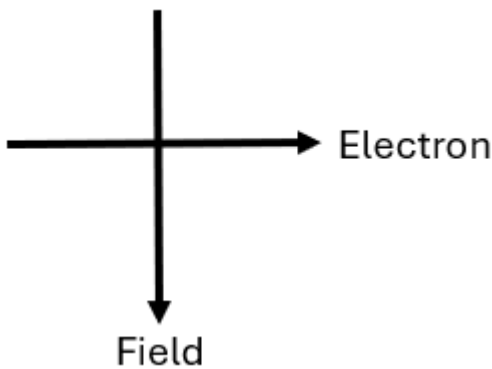
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- A. To the left
- B. To the right
- C. Out of the page
- D. Into the page

**Professional Ability**

70 Questions • Answer Key

Q31 Professional Ability

DNA ligase is used to:

- A. start the replication process
- B. bind with start codon
- C. cut down DNA fragments
- D. seal the cut down DNA fragments

**Q32 Professional Ability**

Which of the following do not acts as antidepressants:

- A. Triflupromazine
- B. Fluvoxamine
- C. Fluoxetine
- D. Moclobemide

**Q33 Professional Ability**

The physical method of evaluation of crude drugs is:

- A. refractive Index
- B. shape
- C. colour
- D. odour

**Q34 Professional Ability**

Which drug is a direct-acting vasodilator?

- A. Minoxidil
- B. Metoprolol
- C. Captopril
- D. Propranolol

**Q35 Professional Ability**

Appetite stimulants can be also called as:

- A. Cholinergic agent
- B. Orexigenic agent
- C. Antianginal agent
- D. Mutagenic agent

**Q36 Professional Ability**

A major disadvantage of gelatin capsules is:

- A. High stability in humid conditions
- B. Cost-effective manufacturing
- C. Patient-friendly administration
- D. Incompatibility with acidic drugs



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Q37 Professional Ability

The smallest standard hard capsule size is :

A. Size 5



B. Size 0

C. Size 2

D. Size 3

Q38 Professional Ability

The formation of microencapsulation technique using coacervation phase separation technique is a _____.

A. single-step process

B. two-step process

C. five-step process

D. three-step process

**Q39 Professional Ability**

A straw colored liquid after the removal of the formed elements in the blood is called ---.

A. RBC

B. WBC

C. Plasma



D. Serum

Q40 Professional Ability

Latin or English names of crude drugs are considered in which system of classification of drugs?

A. Morphological classification

B. Alphabetical classification



C. Chemical classification

D. Pharmacological classification

Q41 Professional Ability

Genetical abnormal reactivity to a chemical is also known as:

A. Hypersensitivity

B. Poisoning

C. Intolerance

D. Idiosyncrasy

**Q42 Professional Ability**

According to GMP for sterile dosage forms, which grade of clean area is used for preparation and filling?

A. Grade C

B. Grade A



C. Normal room conditions

D. Grade D

Q43 Professional Ability

Which of the following methods is NOT used for enzyme immobilisation?

A. Physical entrapment

B. Non-covalent adsorption and deposition

C. Covalent attachment

D. Complexation

**Q44 Professional Ability**

Identify the type of centrifuge that can be used to separate two immiscible liquids, from the given options.

A. Non-perforated basket centrifuge

B. Continuous horizontal centrifuge

C. Perforated basket centrifuge

D. Super centrifuge

**Q45 Professional Ability**

Radio immunoassays can be done using:

A. radioactive antibodies



B. enzyme antibodies

C. lable

D. radioactive ions

Q46 Professional Ability

What quantitative method helps optimize drug store inventory?

A. Focus group feedback

B. Brand equity mapping

C. SWOT analysis

D. ABC classification



Q47 Professional Ability

Boxer's fracture is the fracture of:

- A. Ilium
- B. Metacarpel ✓
- C. Pelvic Girdle
- D. Facial bones

Q48 Professional Ability

Ksira paka is obtained by:

- A. plant boiled in ethanol and decanted
- B. plant boiled in ethanol and filtered
- C. plant boiled in milk and filtered ✓
- D. plant boiled in water and filtered

Q49 Professional Ability

Which of the following is an example of an allylamine antifungal?

- A. Caspofungin
- B. Amphotericin B
- C. Fluconazole
- D. Terbinafine ✓

Q50 Professional Ability

Which of the following is an example of an azole antifungal?

- A. Fluconazole ✓
- B. Caspofungin
- C. Amphotericin B
- D. Terbinafine

Q51 Professional Ability

A thin partition between left and right artery is known as:

- A. Interatrial septum ✓
- B. Sulci
- C. Pectinate muscles
- D. Coronary sulcus

Q52 Professional Ability

The minimum inhibitory concentration (MIC) measures:

- A. Lowest concentration to kill bacteria
- B. Highest concentration tolerated by humans
- C. Lowest concentration to inhibit growth ✓
- D. Time required for sterilisation

Q53 Professional Ability

Large molecules like heparin and insulin can be easily made absorbable by the preparation of:

- A. lotions
- B. emulsion ✓
- C. syrups
- D. suspension

Q54 Professional Ability

Which of the following is a calcium channel blocker used in the treatment of anti-hypertensive drugs?

- A. Labetalol
- B. Methyldopa
- C. Amlodipine ✓
- D. Clonidine

Q55 Professional Ability

Anaphylaxis is an example of:

- A. type IV hypersensitivity
- B. type I hypersensitivity ✓
- C. type II hypersensitivity
- D. type III hypersensitivity

Q56 Professional Ability

Aspirin exerts its anti-platelet effect by:

- A. Inhibiting phosphodiesterase
- B. Activating plasminogen
- C. Blocking P2Y12 receptors
- D. Irreversibly inhibiting cyclooxygenase (COX) ✓



Q57 Professional Ability

Which is an example of a dentifrice?

- A. Denture adhesive
- B. Dental floss
- C. Toothpaste
- D. Mouthwash

Q58 Professional Ability

Artificial sweeteners like saccharin are used in monophasic liquids to:

- A. Prevent oxidation
- B. Stabilise pH
- C. Enhance antimicrobial activity
- D. Improve taste without calories

Q59 Professional Ability

Which of the following gases is used for gaseous sterilisation?

- A. Hydrogen sulphide
- B. Ethylene oxide
- C. Nitrogen oxide
- D. Nitrogen

Q60 Professional Ability

Which component of an enzyme is directly involved in substrate binding?

- A. Allosteric site
- B. Regulatory site
- C. Active site
- D. Cofactor

Q61 Professional Ability

Leprosy can be classified into:

- A. 7 classes
- B. 6 classes
- C. 5 classes
- D. 3 classes

Q62 Professional Ability

Which inhibitor competes with oxygen at the terminal oxidase?

- A. Cyanide
- B. Rotenone
- C. Malonate
- D. Amytal

Q63 Professional Ability

Parabens act as preservatives by:

- A. Disrupting microbial cell membranes
- B. Neutralising acids
- C. Oxidising pathogens
- D. Chelating metal ions

Q64 Professional Ability

Vigorous agitation during filtration may lead to:

- A. Increased filtrate clarity
- B. Cake compaction and reduced flow
- C. Enhanced particle capture
- D. Uniform cake distribution

Q65 Professional Ability

Cholestyramine reduces low-density lipoprotein cholesterol by:

- A. Blocking cholesterol synthesis
- B. Binding bile acids in the gut
- C. Enhancing reverse cholesterol transport
- D. Inhibiting cholesterol absorption

Q66 Professional Ability

Metal ion indicators are used in:

- A. acid-base titration
- B. complexometric titration
- C. precipitation titration
- D. oxidation-reduction titration



Q67 Professional Ability

Steam distillation is used to extract:

- A. Inorganic salts
- B. Volatile oils from plant materials ✓
- C. Non-volatile polymers
- D. Insoluble solids

Q68 Professional Ability

The first pure alkaloid isolated from a natural source was :

- A. Quinine
- B. Cocaine
- C. Atropine
- D. Morphine ✓

Q69 Professional Ability

Which statement violates the Drug and Magic Remedies Act?

- A. Cures cancer in 30 days. ✓
- B. Safe for all ages.
- C. Consult your doctor before use.
- D. This drug is clinically proven.

Q70 Professional Ability

Which of the following numbers is referred to as the largest sized capsule?

- A. 5
- B. 3
- C. 4
- D. 000 ✓

Q71 Professional Ability

Which of the following is a harmful effect of free radicals in the human body?

- A. Improves digestion
- B. Promotes cell repair
- C. Causes oxidative damage to cells ✓
- D. Enhances enzyme activity

Q72 Professional Ability

What is the role of P-glycoprotein in drug absorption?

- A. Acts as a receptor
- B. Facilitates uptake
- C. Enhances absorption
- D. Mediates efflux ✓

Q73 Professional Ability

What is the purpose of a 'bonded warehouse' associated with a bonded laboratory?

- A. Storage of raw materials
- B. Waste disposal facility
- C. Distribution center for finished products
- D. Secure storage of proprietary medicine samples ✓

Q74 Professional Ability

HMG-CoA reductase inhibitors are also known as:

- A. PPARα agonists: Fibrates
- B. Triglyceride synthesis inhibitor
- C. Statins ✓
- D. Bile acid sequestrants

Q75 Professional Ability

How do regulatory requirements influence channel selection for controlled-substances?

- A. Allow unrestricted distribution
- B. Restrict distribution to licensed pharmacies ✓
- C. Encourage online sales
- D. Mandate direct-to-consumer sales

Q76 Professional Ability

Which enzyme system is most commonly involved in drug metabolism interactions?

- A. Monoamine oxidase
- B. Alcohol dehydrogenase
- C. UDP-glucuronosyltransferase
- D. Cytochrome P450 ✓



Q77 Professional Ability

Which of the following is an example of MAO-B Inhibitors?

- A. Ropinirole
- B. Selegiline ✓
- C. Amantadine
- D. Bromocriptine

Q78 Professional Ability

An inert electrode is used in electrochemical cells when:

- A. the reaction involves gas evolution
- B. the electrode material participates in the redox reaction
- C. the electrode must conduct electrons without reacting ✓
- D. the cell requires high voltage

Q79 Professional Ability

Relative bioavailability compares:

- A. Two different routes of administration
- B. Plasma levels across species
- C. Two oral formulations of the same drug ✓
- D. A drug's absorption in fasting vs. fed states

Q80 Professional Ability

Methyl polysiloxane can be classified as:

- A. Antiemetics drugs
- B. Digestants ✓
- C. Prokinetic drugs
- D. Gallstone dissolving drugs

Q81 Professional Ability

According to Huckel's rule, an aromatic compound contains:

- A. $4n - 2\pi$ electrons
- B. $4n + 3\pi$ electrons
- C. $4n + 2\pi$ electrons ✓
- D. $N + \pi$ electrons

Q82 Professional Ability

Which of the following is a parenteral anticoagulant?

- A. Warfarin sod.
- B. Dabigatran etexilate
- C. Low molecular weight heparins ✓
- D. Apixaban

Q83 Professional Ability

Which neurotransmitter acts on the detrusor muscle to initiate contraction?

- A. Norepinephrine
- B. Serotonin
- C. Acetylcholine ✓
- D. Dopamine

Q84 Professional Ability

What is the purpose of the annealing step in a Polymerase Chain Reaction?

- A. To bind primers to template DNA ✓
- B. To terminate the reaction
- C. To melt DNA strands
- D. To extend primers

Q85 Professional Ability

The term 'precipitant drug' refers to:

- A. A drug requiring dose adjustment
- B. The drug causing the interaction ✓
- C. A drug that precipitates out of solution
- D. The drug whose effect is altered

Q86 Professional Ability

Which benzodiazepine has a nitro group at the 7-position, contributing to its anticonvulsant activity?

- A. Clonazepam ✓
- B. Nitrazepam
- C. Diazepam
- D. Lorazepam



Q87 Professional Ability

Permethrin is a:

- ☒ A. Pyrethroid insecticide
- ☐ B. Pediculocide
- ☐ C. Antipruritic
- ☐ D. Fungicide

Q88 Professional Ability

Calculate the equivalent weight of H_2SO_4 (molar mass = 98 g/mol) in an acid-base reaction.

- ☐ A. 24.5 g/equiv
- ☐ B. 100 g/equiv
- ☒ C. 49 g/equiv
- ☐ D. 196 g/equiv

Q89 Professional Ability

Chlorine-based disinfectants primarily act by:

- ☐ A. Denaturing proteins
- ☐ B. Inhibiting DNA replication
- ☒ C. Disrupting membrane integrity
- ☐ D. Oxidising cell walls

Q90 Professional Ability

Dipyridamole enhances anti-platelet effects by:

- ☒ A. Inhibiting phosphodiesterase and adenosine uptake
- ☐ B. Activating plasminogen
- ☐ C. Antagonizing thromboxane receptors
- ☐ D. Directly inhibiting cyclooxygenase activity

Q91 Professional Ability

The term "standardization" in herbal drug quality control refers to:

- ☐ A. packaging specifications
- ☒ B. consistent levels of marker compounds
- ☐ C. sterilization validation
- ☐ D. uniform particle size distribution

Q92 Professional Ability

The chemical potential (μ) of a component in a system is defined as :

- ☐ A. The partial molar internal energy
- ☐ B. The partial molar entropy
- ☐ C. The partial molar enthalpy
- ☒ D. The partial molar Gibbs free energy

Q93 Professional Ability

Hess's Law states that:

- ☐ A. enthalpy increases with temperature
- ☒ B. the total enthalpy change depends only on initial and final states
- ☐ C. heat capacity determines reaction spontaneity
- ☐ D. enthalpy is conserved in all reactions

Q94 Professional Ability

The primary mechanism in a fluid bed mixer is:

- ☐ A. Shear
- ☒ B. Convection
- ☐ C. Diffusion
- ☐ D. Electrostatic attraction

Q95 Professional Ability

7.045 can be rounded of as:

- ☒ A. 7.05
- ☐ B. 7.5
- ☐ C. 7.4
- ☐ D. 7.04

Q96 Professional Ability

What is the separation and purification of different components in a liquid mixture known as?

- ☐ A. Size separation
- ☐ B. Sublimation
- ☒ C. Distillation
- ☐ D. Filtration



Q97 Professional Ability

Which drug is used as an appetite stimulant in cancer cachexia?

- A. Phentermine
- B. Topiramate
- C. Megestrol acetate
- D. Lorcaserin



Q98 Professional Ability

Complex reactions are:

- A. 2-step reactions
- B. multistep reactions
- C. elementary reactions
- D. single step reactions



Q99 Professional Ability

Who is responsible for approving the Installation qualification (IQ) protocol .

- A. Equipment vendor
- B. Regulatory inspector
- C. Quality Assurance (QA) department
- D. Production manager



Q100 Professional Ability

The name given to a drug by the manufacturer is known as:

- A. Non-proprietary name
- B. Proprietary name
- C. Generic name
- D. Chemical name



General Ability

30 Questions • Answer Key

Q1 General Ability

If the volume of cube is 117649 m^3 , then find the total surface area of cube in m^2 .

A. 14406



B. 14374

C. 14386

D. 14427

Q2 General Ability

Which of the following statements about the Kyoto Protocol's enforcement in 2005 is true?

A. It was applied equally to all countries, regardless of their development level.

B. It legally bound developing countries to reduce emissions.

C. It legally bound developed countries to reduce emissions.



D. It imposed no legal obligations on developed countries.

Q3 General Ability

In a certain code language,
'A + B' means 'A is the daughter of B',
'A - B' means 'A is the brother of B',
'A × B' means 'A is the wife of B' and
'A ÷ B' means 'A is the father of B'.

How is E related to K if 'E + F - G × H ÷ K'?

A. Father's brother's daughter

B. Father's brother's wife

C. Mother's brother's daughter



D. Mother's brother's wife

Q4 General Ability

On which of the following rivers is the Tehri Dam constructed?

A. River Yamuna

B. River Bhagirathi



C. River Narmada

D. River Hindon

Q5 General Ability

Which constitutional body is responsible for auditing the accounts of the Union and State Governments in India?

A. Comptroller and Auditor General of India



B. Finance Commission

C. Attorney General of India

D. Union Public Service Commission

Q6 General Ability

Which of the following is NOT correct regarding vacuoles?

A. In plant cells vacuoles provide turgidity and rigidity to the cell

B. In plant cells vacuoles are full of cell sap

C. Vacuoles are membrane-bound cell organelles

D. Vacuoles are small sized in plant cells while they are very large in animal cells.



Q7 General Ability

Which 2025 book by Arati Kumar-Rao documents her journey across India, highlighting the transformation of its place and the impact on its people?

A. Landscapes of Change

B. Marginlands: A Journey into India's Vanishing Landscapes



C. The Forgotten Rivers

D. The Unseen India

Q8 General Ability

Seven boxes A, B, E, F, G, N and O are kept one over the other but not necessarily in the same order. Only three boxes are kept above E. Only one box is kept between O and E. Only three boxes are kept between O and N. N is kept at some place above E. A is kept immediately below N. B is kept at one of the places above F. G is not kept immediately above or below O. Which box is kept at the lowermost position?

A. O

B. E

C. F



D. A



Q9 General Ability

A person's vision can become blurred over time due to ____ defects in the eye.

- A. transmission
- B. dispersion
- C. refractive
- D. reflective

**Q10 General Ability**

Match the following materials with their corresponding resistivity values.

Material	Resistivity (Ω m)
(a) Silver	(i) $44 \times 10^{-6} \Omega$ m
(b) Manganin	(ii) $1.6 \times 10^{-8} \Omega$ m
(c) Diamond	(iii) $10^{12} \Omega$ m

- A. (a)-(iii) ; (b)-(ii) ; (c)-(i)
- B. (a)-(ii) ; (b)-(i) ; (c)-(iii)
- C. (a)-(ii) ; (b)-(iii) ; (c)-(i)
- D. (a)-(i) ; (b)-(ii) ; (c)-(iii)

**Q11 General Ability**

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the pair in which the numbers are related in the same way as are the numbers of the following pairs.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
25, 125
60, 300

- A. 20, 60
- B. 50, 600
- C. 45, 225
- D. 75, 750

**Q12 General Ability**

Which of the following responsibilities is NOT assigned to the Union Public Service Commission (UPSC) as per the Constitution of India?

- A. Administering disciplinary actions against appointed civil servants
- B. Formulating recruitment rules and procedures
- C. Advising the government on recruitment methods for the civil services
- D. Conducting examinations for entry into the civil services

**Q13 General Ability**

A train crosses a pole in 20 seconds and passes a 200 m long bridge in 36 seconds. How much time (in hours) will it take to cover a distance of 108 km?

- A. 3.2
- B. 2.1
- C. 2.8
- D. 2.4

**Q14 General Ability**

Which of the following unsaturated hydrocarbons contains a triple bond?

- A. Ethane
- B. Ethyne
- C. Propene
- D. Methane

**Q15 General Ability**

A manufacturer sells a product to a wholesaler at a profit of 40%. The wholesaler, in turn, sells it to a retailer at a profit of 23%, and the retailer sells it to a customer at a profit of 25%. If the customer pays ₹861, find the cost price (in ₹) for the manufacturer.

- A. 397
- B. 403
- C. 401
- D. 400



Q16 General Ability

As of 2024, which landmark infrastructure project of India is recognised as the world's longest highway tunnel above 10,000 ft?

- A. Zojila Tunnel
- B. Chenab Bridge Tunnel
- C. Bogibeel Tunnel
- D. Atal Tunnel

**Q17 General Ability**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. UK – ZF
- B. OA – TV
- C. XM – CI
- D. NG – SB

**Q18 General Ability**

Where was Aero India 2025 held?

- A. Yelahanka Air Force Station, Bengaluru
- B. Palam Air Force Station, New Delhi
- C. Rajiv Gandhi International Airport, Mumbai
- D. Hindon Air Force Station, Noida

**Q19 General Ability**

Which of the following statements about the human eye is NOT correct?

- A. The minimum distance, at which objects can be seen most distinctly without strain, is called the least distance of distinct vision.
- B. The focal length of the eye lens cannot be decreased below a certain minimum limit.
- C. Least distance of distinct vision is called the near point of the eye.
- D. For a young adult with normal vision, the near point is about 20 cm.

**Q20 General Ability**

What was the significance of the British confiscating the land and property of Muslims after the Revolt of 1857?

- A. It was a punitive measure based on the belief that Muslims were largely responsible for the uprising of 1857.
- B. It was primarily aimed at financing further military expansions in India.
- C. It was intended to foster stronger loyalty among Indian Muslims.
- D. It was conducted to uniformly redistribute wealth among all Indian communities.

**Q21 General Ability**

Who became the Chief Minister of Delhi after the 2025 Legislative Assembly elections?

- A. Rekha Gupta
- B. Arvind Kejriwal
- C. Manoj Tiwari
- D. Vijender Gupta

**Q22 General Ability**

Sperm formation requires a lower temperature than the normal body temperature. For this reason, the testes are located in the ____.

- A. Abdomen
- B. Chest
- C. Pelvis
- D. Scrotum

**Q23 General Ability**

Which of the following is CORRECT regarding the water harvesting is an age-old concept in India?

- A. Bundhis in Maharashtra
- B. Bandharas and tals in Uttar Pradesh
- C. Khadins, tanks and nadis in Rajasthan
- D. Pynes in Madhya Pradesh



Q24 General Ability

A student dissolves equal amounts of the following salts in water and measures their pH values:

Salt X: Sodium chloride (NaCl)

Salt Y: Sodium acetate (CH₃COONa)

Which of the following options correctly matches the nature of the solutions formed?

- A. X - Neutral; Y - Neutral
- B. X - Acidic; Y - Neutral
- C. X - Basic; Y - Acidic
- D. X - Neutral; Y - Basic

**Q25 General Ability**

In which of the following Indian cities is the Quwwatul Islam Mosque situated?

- A. Delhi
- B. Agra
- C. Fatehabad
- D. Sasaram

**Q26 General Ability**

Select the mismatched pairing between a Himalayan river system division and its corresponding river.

- A. Ganga River System – Sutlej
- B. Ganga River System – Kosi
- C. Brahmaputra River System – Teesta
- D. Indus River System – Ravi

**Q29 General Ability**

Manish can complete a piece of work in 32 days. He worked for 4 days and then left. Satish completed the remaining work in 16 days. In how much time can Manish and Satish complete the work together?

- A. $11\frac{7}{11}$ days
- B. $17\frac{2}{7}$ days
- C. $16\frac{2}{7}$ days
- D. $18\frac{2}{7}$ days

**Q27 General Ability**

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

NXG : PBM

VOB : XSH

- A. SAL : UER
- B. IWR : KZW
- C. GSC : KWI
- D. PEQ : RGV

**Q28 General Ability**

Which of the following observations from Rutherford's gold foil experiment provided direct evidence for the existence of a dense atomic nucleus?

- A. Electrons were found to revolve around the nucleus.
- B. Most alpha particles passed through the foil undeflected.
- C. The total mass of the atom is concentrated in the outer region.
- D. A very small fraction of alpha particles rebounded (deflected by 180°).



Q30 General Ability

The value of $\left(\frac{2}{6}\right) \times \left(\frac{18}{10}\right) + \left(\frac{9}{5} - 4\right)$ is

A. $-\frac{11}{10}$

B. $-\frac{8}{5}$ ✓

C. $-\frac{10}{9}$

D. $-\frac{1}{3}$

Professional Ability

70 Questions • Answer Key

Q31 Professional Ability

The specialised level of health care services is provided by:

A. Secondary health centre

B. Tertiary health centre ✓

C. subcentre

D. Primary health centre

Q32 Professional Ability

In partograph, number of uterine contractions and duration of each contraction is charted in every _____ minutes.

A. 30 minutes ✓

B. 60 minutes

C. 45 minutes

D. 15 minutes

Q33 Professional Ability

Which diagnostic studies done to obtain biopsy specimens of bladder lesions?

A. Cystometrogram

B. Nephrostogram

C. Cystoscopy ✓

D. Urethrogram

Q34 Professional Ability

Which route of exposure presents the highest risk for nurses handling chemotherapy drugs?

A. Ingestion

B. Mucous membrane contact

C. Injection

D. Inhalation of aerosols and dermal absorption ✓

Q35 Professional Ability

The recommended dietary allowances for folic acid during Pregnancy is

A. 600 mcg ✓

B. 500 mcg

C. 400 mcg

D. 300 mcg

Q36 Professional Ability

Streptococcus pneumonia is a _____ type of bacteria.

A. Gram negative bacilli

B. Gram positive bacilli

C. Gram negative cocci

D. Gram positive cocci ✓



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Q37 Professional Ability

Name the test employed to check the purity of butter through the estimation of volatile fatty acid is-----.

- A. Iodine number
- B. Reichert-Meissl number ✓
- C. Saponification number
- D. Acid number

Q38 Professional Ability

When a patient's cancer is classified as 'T₁N₀M₀', what does it indicate?

- A. Large primary tumour with extensive lymph node involvement and metastasis
- B. No primary tumour but positive lymph nodes and metastasis
- C. Small primary tumour with extensive lymph node involvement but no metastasis
- D. Small primary tumour with no lymph node involvement and no metastasis ✓

Q39 Professional Ability

Which indicator best reflects the person-centeredness of healthcare delivery?

- A. Facility operating hours
- B. Patient involvement in decision-making ✓
- C. Number of healthcare providers
- D. Technology availability

Q40 Professional Ability

When a patient arrives to the hospital for routine admission, the nurse must first do the following-----.

- A. Complete the admission procedure ✓
- B. Inform doctor about the patient's arrival
- C. Obtain blood for laboratory
- D. Tell the routine and policies of the hospital

Q41 Professional Ability

Which reproductive option should be informed the parents in pediatric genetic counseling session, for helping future decision making?

- A. Genome sequencing study
- B. Preimplantation genetic testing ✓
- C. Targeted molecular testing
- D. Chromosome microarray analysis

Q42 Professional Ability

Which is the most significant risk factor for development of renal cancer?

- A. Pyelonephritis
- B. Second degree relative
- C. Cigarette smoking ✓
- D. Renal stone

Q43 Professional Ability

Lactose Intolerance occurs due to deficiency of_____.

- A. Amylase
- B. β -glycosidase
- C. Lactase ✓
- D. Isomaltase

Q44 Professional Ability

The value and suitability of each constructed question item are evaluated through a specific method named as

- A. Item effectiveness
- B. Item discrimination
- C. Item analysis ✓
- D. Item measurement

Q45 Professional Ability

What does aetiology refer to?

- A. The prognosis of a disease
- B. The study of disease transmission
- C. The treatment of disease
- D. The cause of a disease ✓

Q46 Professional Ability

The site of administration of hepatitis B vaccine to a newborn is:

- A. Right upper arm
- B. Lateral aspect of mid thigh
- C. Antero lateral aspect of mid thigh ✓
- D. Left upper arm



Q47 Professional Ability

A client with a myocardial infarction develops rapid heart rate, difficulty breathing, and coughs up pink, frothy sputum. What lung sound would the nurse likely hear?

- A. Stridor
- B. Crackles
- C. Quiet breath sounds
- D. Rhonchi

Q48 Professional Ability

Which nerve is responsible for adductor muscle of thigh and skin of medial aspect of thigh?

- A. Musculocutaneous nerve
- B. Phrenic nerve
- C. Obturator nerve
- D. Iliohypogastric nerve

Q49 Professional Ability

Which hormone is responsible for dilatation of the cervix in first stage of labour?

- A. Testosterone
- B. Luteinizing Hormone
- C. Estrogen
- D. Follicle-Stimulating Hormone

Q50 Professional Ability

Which causative filaria agent displays a nocturnal periodicity?

- A. Loa loa
- B. T. perstans
- C. Brugia timori
- D. Brugia malayi

Q51 Professional Ability

What legal preparation done for a patient who is undergoing surgery related to fracture?

- A. Relative present during surgery
- B. Blood is ready for emergency
- C. Hospital fee paid
- D. Signed informed consent

Q52 Professional Ability

Which of the following is a symptom of shock ?

- A. Increased energy
- B. High blood pressure
- C. Warm, dry skin
- D. Rapid breathing and weak pulse

Q53 Professional Ability

The most widely distributed connective tissue in the body is

- A. Aerolar
- B. Osseous
- C. Reticular
- D. Adipose

Q54 Professional Ability

In which of the following groups the relationship is personal, direct and intimate?

- A. Tertiary
- B. Secondary
- C. Primary
- D. Formal

Q55 Professional Ability

Who first developed the electron microscope?

- A. Ruska and Knoll, 1931
- B. Robert Feulgen, 1955
- C. May-Grunwald, 1902
- D. William Leishman, 1926

Q56 Professional Ability

Which cell mediator of inflammation stimulates smooth muscle contraction?

- A. Serotonin
- B. Histamine
- C. Prostaglandins
- D. Leukotrienes



Q57 Professional Ability

The process whereby the genital organs revert back approximately to the state as they were before pregnancy after delivery is called_____.

- A. Retroversion
- B. Regeneration
- C. Involution ☒
- D. Puerperium

Q58 Professional Ability

Which stimulus if given to an individual, that will decrease the probability that a previous behavior will repeat again?

- A. Reinforcement
- B. Neutral stimulus
- C. Punishment ☒
- D. Extinction

Q59 Professional Ability

Which infectious agent is a risk factor for the development of stomach cancer?

- A. Shigella
- B. Salmonella
- C. Escherichia coli
- D. Helicobacter pylori ☒

Q60 Professional Ability

Which congenital anomaly is characterized by incomplete closure of the abdominal wall with protrusion of intestines which is covered with protective membrane?

- A. Umbilical hernia
- B. Diaphragmatic hernia
- C. Gastroschisis
- D. Omphalocele ☒

Q61 Professional Ability

The innermost layer of the gastrointestinal tract is named as

- A. Mucosa ☒
- B. Sub mucosa
- C. Muscularis Externa
- D. Serosa

Q62 Professional Ability

How many kilocalories (kcal) of energy are yielded by carbohydrates upon metabolism?

- A. 9 kcal
- B. 5 kcal
- C. 4 kcal ☒
- D. 2 kcal

Q63 Professional Ability

Which of the following ear drop is used for the treatment of swimmer's ear?

- A. Hydrogen peroxide
- B. Acetic acid ☒
- C. Glycerin
- D. Carbamide peroxide

Q64 Professional Ability

The condition when the membranes are ruptured before onset of labour is called

- A. Spontaneous rupture
- B. Early rupture
- C. Premature rupture ☒
- D. Late rupture

Q65 Professional Ability

What expression should be observed on face, while examining mental health of an uncooperative patient?

- A. Cry
- B. Drowsy
- C. Smile
- D. Placid ☒

Q66 Professional Ability

In an individual Human Immunodeficiency virus infects _____ cell in the immune system.

- A. Mast cells
- B. Monocytes
- C. T helper cells ☒
- D. Dendritic cells



Q67 Professional Ability

What is the indication of definitive management for placenta previa?

- A. Continue pregnancy for fetal maturity
- B. Premature rupture of membrane
- C. Bleeding occurs at or after 37 weeks of pregnancy ✓
- D. Intrauterine fetal asphyxia

Q68 Professional Ability

Urea breath test is done for identifying infection of the gastric mucosa with _____ microorganisms.

- A. Shigella
- B. Escherichia coli
- C. Salmonella
- D. Helicobacter pylori ✓

Q69 Professional Ability

How many cycles of CPR to be given followed by one shock, if the victim has a shockable rhythm, while providing advanced life support in cardiac arrest?

- A. 5 ✓
- B. 4
- C. 2
- D. 3

Q70 Professional Ability

If a mother has gestational diabetes, there is a risk of development of fetal -----.

- A. Macrosomia ✓
- B. Intrauterine death
- C. Intrauterine growth retardation
- D. Small gestational baby

Q71 Professional Ability

Which reproductive option allows for genetic testing of embryos before implantation?

- A. In vitro fertilization with PGT ✓
- B. Amniocentesis
- C. Noninvasive prenatal testing
- D. Chorionic villus sampling

Q72 Professional Ability

Which of the following is a key strategy of the National Mental Health Programme?

- A. Mandatory mental health screening for all citizens
- B. Decentralization of mental health services ✓
- C. Institutionalization of all mentally ill patients
- D. Privatization of mental health facilities

Q73 Professional Ability

What type of sampling will be applicable when the population consists of units rather than individuals?

- A. Convenient
- B. Multistage
- C. Simple random
- D. Quota ✓

Q74 Professional Ability

Lower Portion of the labia minora fuses across the midline to form a fold of skin called

- A. Frenulum
- B. Prepuce
- C. small lips
- D. Fourchette ✓

Q75 Professional Ability

In which phase of wound healing, the wound appears pink and vascular?

- A. Maturation phase
- B. Granulation phase ✓
- C. Scar contraction phase
- D. Initial phase

Q76 Professional Ability

Which factor is most important when establishing disciplinary policies in a nursing institution?

- A. Ensuring consistency and fairness ✓
- B. Making the rules as strict as possible
- C. Creating maximum penalties
- D. Minimising paperwork for faculty



Q77 Professional Ability

In stage 3 hypovolemic shock, the patient will have blood loss of _____.

A. 30-40%



B. 10-20%

C. 40-50%

D. 20-30%

Q78 Professional Ability

Which of the following is a NORMAL finding during puerperium?

A. Mild transient urinary retention



B. Persistent fever above 38°C

C. Severely painful urination

D. Foul-smelling lochia

Q79 Professional Ability

Which of the following hepatitis viruses is classified as a DNA virus?

A. Hepatitis C virus

B. Hepatitis E virus

C. Hepatitis A virus

D. Hepatitis B virus



Q80 Professional Ability

Which diagnostic tool is most commonly used to confirm hydrocephalus?

A. Angiography

B. MRI of the spine

C. EEG

D. CT scan



Q81 Professional Ability

A patient with a fracture of the pelvis should be monitored for

A. A palpable lump in the buttocks

B. Sudden increase in blood pressure

C. Changes in urine output



D. Petechiae on the abdomen

Q82 Professional Ability

What is the major amendment done under penal code section 309 in Mental Health Care Act May 29, 2018?

A. Decriminalization of attempted homicide

B. Decriminalization of attempted suicide



C. Criminalization if narcotics possess

D. Free from court trial if diagnosed with mental illness

Q83 Professional Ability

Increased gap junctions in the myometrium contribute to_____.

A. Synchronized and coordinated uterine contractions



B. Decreased uterine sensitivity to oxytocin

C. Prolonged labour

D. Cervical rigidity

Q84 Professional Ability

The foeto maternal exchange of gases and nutrients occurs in the:

A. umbilical cord

B. uterus

C. yolk sac

D. placenta



Q85 Professional Ability

The role of the complement system in opsonization affects which response of the inflammatory process?

A. Cellular

B. Formation of exudate



C. Healing

D. Vascular

Q86 Professional Ability

A person who harbors the microorganisms of a disease and excretes them without self-suffering from symptoms is called _____.

A. Carrier



B. Agent

C. Reservoir

D. Host



Q87 Professional Ability

Operant conditioning is defined as:

- A. Learning that occurs through social modeling
- B. Learning through association of stimuli
- C. Learning in which behavior is strengthened or weakened by consequences ✓
- D. Learning that occurs without conscious awareness

Q88 Professional Ability

The microbes that can grow at pH below 5 are known as -----.

- A. Alkaliphiles
- B. Mesophiles
- C. Acidophiles ✓
- D. Halophiles

Q89 Professional Ability

The minimum duration required by 5% Savlon to disinfect the glassware items in the hospital is ____.

- A. 7 minutes
- B. 9 minutes
- C. 5 minutes
- D. 10 minutes ✓

Q90 Professional Ability

In quantitative research, if the populations are homogenous, then the ----- sample size may be sufficient.

- A. Small sample size ✓
- B. Very small sample size
- C. Very large sample size
- D. Large sample size

Q91 Professional Ability

During crisis intervention, the psychiatric nurse is responsible for _____.

- A. immediately sedating the patient
- B. avoiding direct interaction with the patient
- C. 3. providing immediate support and de-escalation techniques ✓
- D. transferring responsibility to other staff

Q92 Professional Ability

When one kidney fails to develop while other kidney is present with normal size, position and function, this congenital disease is called-----.

- A. Horseshoe kidney
- B. Renal agenesis ✓
- C. Phimosis
- D. Renal dysplasia

Q93 Professional Ability

In atherosclerosis the fatty substances block and narrow the coronary blood vessels in
Which among the following layer of coronary blood vessels gets blocked and narrowed by fatty substances in atherosclerosis?

- A. Tunica Media
- B. Tunica intima ✓
- C. Tunica mucosa
- D. Tunica Adventitia

Q94 Professional Ability

The rationale behind not boiling enamelware for longer period is_____.

- A. it get chipped off ✓
- B. it become so hot to touch
- C. shape changes
- D. color fades

Q95 Professional Ability

Drugs that relieve indigestion and heartburn by neutralizing stomach acid are known as _____.

- A. Antipyretics
- B. Analgesics
- C. Antiemetics
- D. Antacids ✓

Q96 Professional Ability

The social process of co-operation and accommodation is present in

- A. Universal Process
- B. Personal process
- C. Dissociative process
- D. Associative process ✓



Q97 Professional Ability

Which layer of the nasal cavity warms the inspired air during inhalation?

- A. Buccopharynogbasilar fascia
- B. Respiratory mucosa ✓
- C. Pharyngobasilar fascia
- D. Olfactory mucosa

Q98 Professional Ability

The patients with following disease conditions the drug Etomidate is ideally used for general anesthesia

- A. Ortho problems
- B. Cardiovascular problems ✓
- C. Neuro problems
- D. Gastrointestinal problems

Q99 Professional Ability

The most common presenting symptom of renal cell carcinoma is

- A. Hypertension
- B. Fever
- C. Hematuria ✓
- D. Flank pain

Q100 Professional Ability

A concentrated solution of sugar containing the drug to mask the bitter taste of the drug is called_____.

- A. Mixture
- B. Syrup ✓
- C. Suspension
- D. Emulsion



General Ability

30 Questions • Answer Key

Q1 General Ability

Which Parliamentary Committee reviews reports submitted by Public Undertakings specified in the Fourth Schedule to the Rules of Procedure and Conduct of Business in the Lok Sabha of India?

- A. Select Committee on Financial Oversight
- B. Public Accounts Committee
- C. Estimates Committee
- D. Committee on Public Undertakings ✓

Q2 General Ability

Which of the following statements about molecules of elements is correct?

- A. All elements exist as monoatomic molecules in nature.
- B. Molecular oxygen and ozone are both molecules of the same element. ✓
- C. Diatomic molecules only contain atoms of different elements.
- D. A molecule of phosphorus always contains five atoms.

Q3 General Ability

In December 2024, Prime Minister Narendra Modi was honoured with Kuwait's highest civilian award. What is the name of the award?

- A. Order of Abdulaziz Al Saud
- B. Order of Mubarak Al-Kabeer ✓
- C. Order of Zayed
- D. Order of the Nile

Q4 General Ability

A concave mirror with a focal length 'f' is cut into two equal halves along the principal axis. What happens to the focal length of each half?

- A. It remains f. ✓
- B. It doubles to 2f.
- C. It becomes undefined.
- D. It becomes $f/2$.

Q5 General Ability

Which of the following statements is FALSE?

- A. The resistance of a conductor is inversely proportional to its cross-sectional area.
- B. The resistance of a conductor is independent of its material. ✓
- C. The resistance of a wire decreases when a thicker wire of the same material is used.
- D. The resistance of a wire increases when its length is doubled.

Q6 General Ability

A man travels from point A to B at a speed of 11 km/hr and returns to A through same route by increasing his speed by 75% of his earlier speed. His average speed (in km/hr) for the whole journey is:

- A. 16
- B. 10
- C. 14 ✓
- D. 18

Q7 General Ability

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number results in the second number. Similarly, certain mathematical operation(s) on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

155 – 125 – 100 – 80; 125 – 95 – 70 – 50

- A. 95 – 70 – 45 – 35
- B. 100 – 70 – 45 – 25 ✓
- C. 80 – 50 – 35 – 15
- D. 140 – 110 – 85 – 60



Q8 General Ability

Transfer of pollen occurring in the same flower is known as__.

- A. Self-pollination** ✓
- B. Cross-pollination
- C. Fertilization
- D. Hybridization

Q9 General Ability

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FAT HDV JGX LJZ ?

- A. PNC
- B. NMB** ✓
- C. OMD
- D. OLA

Q10 General Ability

Which part of the brain control Involuntary actions, including blood pressure, salivation, and vomiting?

- A. Medulla in the hind brain** ✓
- B. Thalamus in the fore brain
- C. Pons in the hind brain
- D. Cerebrum in the fore brain

Q11 General Ability

Under which Indian government scheme launched in 2000 is additional central assistance given to states for basic services such as primary health, primary education, rural shelter, rural drinking water and rural electrification?

- A. Rural Employment Generation Programme (REGP)
- B. Prime Minister Rozgar Yozana (PMRY)
- C. Pradhan Mantri Gramodaya Yozana (PMGY)** ✓
- D. Swarnajayanti Gram Swarozgar Yojana (SGSY)

Q12 General Ability

Which of the following factors determines the colour of scattered light in the atmosphere, according to the Tyndall effect?

- A. Size of the scattering particle** ✓
- B. It does not depend on the scattering particle.
- C. Colour of the scattering particle
- D. Density of the scattering particle

Q13 General Ability

Six toy cars Car1, Car2, Car3 Car4, Car5 and Car6 are kept around a circular table facing inside, not necessarily in the same order. Car4 is second to the left of Car6. Car5 is kept to the immediate right of Car2. Car2 is second to the right of Car3. Car3 is to the immediate right of Car4. If we start counting the number of cars towards the left of Car5, then how many cars are kept between Car6 and Car5?

- A. One** ✓
- B. Three
- C. Two
- D. Zero

Q14 General Ability

What is the maximum value that must be assigned to A so that the 8-digit number 489A5384 is divisible by 4?

- A. 9** ✓
- B. 5
- C. 4
- D. 8

Q15 General Ability

From which Harappan site was the 'Dancing Girl', a bronze figurine, discovered?

- A. Harappa
- B. Mohenjo-daro** ✓
- C. Dholavira
- D. Lothal

Q16 General Ability

If the lateral surface area of a cylinder is 498.2 cm^2 and its height is 41 cm, then find its volume.
(Use $\pi = 3.14$ and round off to two decimal places)

- A. $1.505.79 \text{ cm}^3$
- B. $2.516.58 \text{ cm}^3$
- C. $3.510.22 \text{ cm}^3$
- D. $4.481.99 \text{ cm}^3$** ✓



Q17 General Ability

Which of the following is CORRECT regarding the plant tissue?

- A. Meristematic tissues are responsible for plant growth. ✓
- B. Simple permanent tissue includes xylem and phloem
- C. Complex permanent tissue includes parenchyma, collenchyma, and sclerenchyma
- D. Vascular tissue includes parenchyma, collenchyma, and sclerenchyma

Q18 General Ability

Where was the 2012 United Nations Climate Change Conference held?

- A. Copenhagen
- B. Stockholm
- C. Doha ✓
- D. Durban

Q19 General Ability

Which of the following describes the process by which the concentration of toxic substances, such as pesticides, increases in organisms at higher levels of the food chain?

- A. Ecological pyramid
- B. Biological oxygen demand
- C. Food web
- D. Biological magnification ✓

Q20 General Ability

The semi-cryogenic engine tested by ISRO in 2025 primarily uses which fuel?

- A. Solid Composite Propellant
- B. Methane and Liquid Oxygen (LOX)
- C. Liquid Hydrogen (LH2) and Liquid Oxygen (LOX)
- D. Kerosene (RP-1) and Liquid Oxygen (LOX) ✓

Q21 General Ability

Kalpana and Sudha got 574 and 553 marks, respectively, in an examination. If Kalpana scored 82% marks, then what is the percentage of marks scored by Sudha?

- A. 81%
- B. 77%
- C. 79% ✓
- D. 76%

Q22 General Ability

Which notable water body is located to the south of the Mahanadi Delta on the Eastern Coastal Plains of India?

- A. Chilka Lake ✓
- B. Dal Lake
- C. Sambhar Salt Lake
- D. Vembanad Lagoon

Q23 General Ability

Which of the following statements is true for displacement reactions?

- A. They require only heat to proceed.
- B. They only occur in non-metals.
- C. A less reactive element replaces a more reactive one.
- D. A more reactive element replaces a less reactive one. ✓

Q24 General Ability

Which of the following methods is NOT used to extract metals that are placed in the middle of the reactivity series from their ores?

- A. Roasting followed by reduction with carbon
- B. Heating their sulphide ores directly in the presence of carbon ✓
- C. Displacement using a more reactive metal
- D. Calcination followed by reduction with carbon

Q25 General Ability

In a certain code language,
'A + B' means 'A is the father of B',
'A - B' means 'A is the husband of B',
'A × B' means 'A is the wife of B' and
'A ÷ B' means 'A is the daughter of B'.

How is V related to Z if ' $V \div W \times X + Y - Z$ '?

- A. Husband's sister ✓
- B. Mother's mother
- C. Brother's wife
- D. Mother's brother



Q26 General Ability

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

MIN29, SOT50, YUZ71, EAF92, ?

A. KGL113

B. KGO113

C. KLL113

D. PGL113

Q27 General Ability

Which branch of the Indian Armed Forces participated in the 6th edition of Dharma Guardian?

A. Indian Coast Guard

B. Indian Army

C. Indian Navy

D. Indian Air Force

Q28 General Ability

Which immediate cause triggered the Sanyasi Uprisings in Bengal lasting from 1770 to the 1820s?

A. Restrictions imposed by the British on pilgrims visiting holy sites

B. The confiscation of peasant lands following the famine

C. Forced recruitment of local soldiers into the British army

D. Heavy taxation on local handicrafts

Q29 General Ability

Under which of the following Constitutional Amendments were the Fundamental Duties incorporated into the Indian Constitution?

A. 1. 42nd Amendment Act, 1976

B. 2. 52nd Amendment Act, 1986

C. 3. 44th Amendment Act, 1978

D. 4. 61st Amendment Act, 1988

Q30 General Ability

A, B, and C, when each works alone, can do a piece of work in 9 days, 12 days and 18 days, respectively. They all started the work together, but A and C both left after 3 days. In how many days was the total work completed?

A. $\frac{5}{2}$

B. 6

C. 3

D. $\frac{9}{5}$

Professional Ability

70 Questions • Answer Key

Q31 Professional Ability

Which of the following is not an indication for genetic counseling in a pregnant women

A. A family history of known genetic condition

B. Consanguinity

C. Routine pregnancy checkup without any concern

D. Advanced maternal age

Q32 Professional Ability

Which route is used to administer chemotherapeutic agent to minimize the associated physical discomforts and risks of infection and infiltration by intravenous method?

A. Central venous route

B. Intra-ossicle route

C. Trans-patch on skin

D. Intra-atrial route



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Q33 Professional Ability

_____ is an endogamous group associated with traditional occupations.

- A. Slavery
- B. Estate
- C. Class
- D. Caste

**Q34 Professional Ability**

The main elements of the phosphahte buffer system are

- A. NaCl and HHb
- B. HHb and NaHPO₄
- C. NaH₂PO₄ and NaHPO₄
- D. NaH₂PO₄ and NaCl

**Q35 Professional Ability**

In which brain tumor, there is presence of multiple deposits, well defined and usually located at the grey and white matter junction?

- A. Oligodendroglioma
- B. Ependymoma
- C. Medulloblastoma
- D. Metastatic brain tumor

**Q36 Professional Ability**

In deep palpation method, the depth of skin depressed is approximately:

- A. 2-3 cm
- B. 3-4 cm
- C. 4-5cm
- D. 1-2 cm

**Q37 Professional Ability**

Which of the following activity should be avoided by a patient scheduled for a total ankle replacement surgery ?

- A. Bearing weight on the affected leg for 6 weeks
- B. Lifting heavy objects
- C. Sleeping on the back
- D. Abduction exercise of the affected ankle.

**Q38 Professional Ability**

The system of differentiations which includes a hierarchy of social positions are termed as,

- A. Social class
- B. social mobility
- C. Social stratification
- D. social caste

**Q39 Professional Ability**

Which factor increases heart rates of firing during exercise?

- A. Baroreceptors
- B. Autonomic nervous system
- C. Chemoreceptors
- D. Proprioceptors

**Q40 Professional Ability**

As a prophylactic measure, _____ is used to prevent chemotherapy-induced neutropenia when highly myelosuppressive chemotherapy drugs are used.

- A. Antibiotics
- B. Blood transfusion
- C. Platelet transfusion
- D. WBC growth factors

**Q41 Professional Ability**

From a physiological perspective, which of the following marks the beginning of the puerperium period?

- A. The delivery of the placenta
- B. The first breastfeeding session
- C. The onset of labor
- D. The rupture of membranes

**Q42 Professional Ability**

The normal tissue present at an ectopic site, which is not a true tumour is known as:

- A. Hamartoma
- B. Teratoma
- C. Chondroma
- D. Choristoma



Q43 Professional Ability

The type of reasoning that involves drawing specific conclusions from general principles is called_____.

- A. Abductive reasoning
- B. Deductive reasoning ✓
- C. Inductive reasoning
- D. Analogical reasoning

Q44 Professional Ability

If a mother previously delivered a child with neural tube defect, to prevent neural tube defect in second child, the mother should take----- folic acid per day.

- A. 0.4 mg per day
- B. 4 mg per day ✓
- C. 0.6 mg per day
- D. 2 mg per day

Q45 Professional Ability

The pH range that supports optimal growth for most bacteria is _____.

- A. 7.2-7.6 ✓
- B. 2.5-3.5
- C. 4.2-5.2
- D. 3.2-6.2

Q46 Professional Ability

Which of the following is a cell cycle-specific drug that targets the M phase?

- A. Cisplatin
- B. Methotrexate
- C. Paclitaxel ✓
- D. Cyclophosphamide

Q47 Professional Ability

Early puerperium begins as soon as the placenta is expelled and lasts_____.

- A. up to 6 weeks
- B. up to 6 months
- C. within 24 hours
- D. up to 7 days ✓

Q48 Professional Ability

Lymph nodes found in the chest, near the lungs and heart, are called as-----.

- A. Inguinal lymph nodes
- B. Mediastinal lymph nodes ✓
- C. Popliteal lymph nodes
- D. Cervical lymph nodes

Q49 Professional Ability

In a scenario where multiple trauma patients arrive simultaneously along with orthopaedic injuries, the ethical principle that guides resource allocation is _____.

- A. fidelity
- B. beneficence
- C. autonomy
- D. justice ✓

Q50 Professional Ability

Which artery supplies blood to the large intestine?

- A. Rectal artery
- B. Celiac artery
- C. Mesenteric artery ✓
- D. Phrenic artery

Q51 Professional Ability

In which of the following grade does a tumour possess cells that are moderately differentiated?

- A. grade III
- B. grade I
- C. grade IV
- D. grade II ✓

Q52 Professional Ability

What does 'N_x' signify in the TNM classification?

- A. Extensive lymph node involvement
- B. No lymph node involvement
- C. Regional lymph nodes cannot be assessed ✓
- D. Micrometastasis in lymph nodes



Q53 Professional Ability

If a patient or relatives decide to leave the hospital against advice of the doctor, he/she has to sign _____ form before discharge.

A. LAMA form



B. NMLC form

C. MLC form

D. Abscond form

Q54 Professional Ability

In partograph, pulse is recorded every 30 minutes and is marked with a _____.

A. dot(.)



B. Pr

C. arrows

D. cross(x)

Q55 Professional Ability

Which diagnostic method is recommended as the gold standard for malaria diagnosis under the National Programme?

A. Clinical symptoms only

B. Rapid diagnostic tests only



C. Serological tests

D. Microscopic examination of blood smears

Q56 Professional Ability

In placenta previa, due to repeated small bouts of hemorrhage while carrying on the expectant treatment can cause chronic placental insufficiency leads to _____.

A. asphyxia

B. fetal growth restriction



C. congenital malformation

D. intrauterine death

Q57 Professional Ability

The strength of relationships among research variables for calculating sample size for quantitative study is based on _____.

A. Power analysis



B. Attrition problems

C. Homogeneity of the population

D. Subgroup analysis

Q58 Professional Ability

The salmonellosis infection is transmitted through:

A. Vector

B. Contaminated food and water



C. Fomites

D. Air

Q59 Professional Ability

What laboratory test is used to monitor disease progression and immune status in HIV-positive patients?

A. HIV viral load

B. Liver function tests

C. Complete blood count

D. CD4+ T cell count

**Q60 Professional Ability**

A key performance indicator specific to orthopaedic nursing that should be monitored regularly is _____.

A. number of laboratory tests ordered

B. patient gender distribution

C. functional improvement from admission to discharge



D. overall hospital mortality

Q61 Professional Ability

Which connective tissue forms supporting framework of liver, spleen and lymph nodes?

A. Reticular connective tissue



B. Areolar connective tissue

C. Brown adipose tissue

D. White adipose tissue

Q62 Professional Ability

In third stage of labour, patient experiences intermittent discomfort in the lower abdomen during expulsion of placenta, it is due to _____.

A. Episiotomy

B. Distention of bladder

C. Dilation of vagina

D. Uterine contraction



Q63 Professional Ability

An example of adjuvant analgesic therapy for pain management is_____.

- A. Partial Agonists
- B. GABA Receptor Agonist
- C. Mixed Agonist-Antagonists
- D. Nonsalicylate

Q64 Professional Ability

Which of the following can inhibit the formation of myometrial gap junctions?

- A. Progesterone
- B. Prostaglandins
- C. Estrogen
- D. Oxytocin

Q65 Professional Ability

The important use of Goniometer is to measure the:

- A. Muscle power
- B. Muscle tone
- C. Range of motion
- D. Muscle strength

Q66 Professional Ability

In a placenta previa condition, the maternal complication is seen during labor is _____.

- A. Slow dilation of the cervix
- B. Premature labor
- C. Retained placenta
- D. Malpresentation

Q67 Professional Ability

Which immunity leads to development of autoimmune disorders in an individual?

- A. Natural immunity
- B. Passive immunity
- C. Active immunity
- D. Autoimmunity

Q68 Professional Ability

The average increase in the head circumference of an infant from birth to 3 months is:

- A. 2 cm/month
- B. 1.5 cm/month
- C. 0.5 cm/month
- D. 1 cm/month

Q69 Professional Ability

Role of Indian Nursing Council in nursing profession is-----.

- A. to regulate nursing programme
- B. to conduct nursing examination
- C. to provide nursing registration
- D. to provide job to nurses

Q70 Professional Ability

What cranial nerve abnormality may be seen in children with chronic hydrocephalus?

- A. Tongue deviation (CN XII)
- B. Loss of smell (CN I)
- C. Facial paralysis
- D. Impaired Upward gaze ("sunset eyes") (CN III)

Q71 Professional Ability

Which of the following electrolytes should be monitored while administering Triamterene drug ?

- A. Potassium level
- B. Sodium level
- C. Chloride level
- D. Bicarbonate level

Q72 Professional Ability

The microbes that use chemical compounds as a source of energy are known as:

- A. Chemotrophs
- B. Organotrophs
- C. Lethotrophs
- D. Phototrophs



Q73 Professional Ability

In Indian context, UHID in hospital commonly refers to:

- A. Union Health Identification
- B. User Health Identification
- C. Uniform Health Identification
- D. Unique Health Identification ✓

Q74 Professional Ability

The amount of heat energy that is liberated by burning 1 gm of foodstuff completely in the presence of O₂ is called _____.

- A. Basal Metabolic Rate
- B. Calorie
- C. Specific Dynamic Action
- D. Calorific Value ✓

Q75 Professional Ability

Which guideline is used for writing report of randomized control trial research study?

- A. CONSORT ✓
- B. EQUATOR
- C. STROBE
- D. PRISMA

Q76 Professional Ability

What is the first step in providing first aid for a snake bite?

- A. Keep the affected limb immobilized and below heart level ✓
- B. Cut the wound and try to suck out the venom
- C. Apply ice to the bite area
- D. Make the person walk to seek medical help

Q77 Professional Ability

Which is an example of a reversible morphological change?

- A. Atrophy
- B. Necrosis
- C. Fibrosis
- D. Cellular swelling ✓

Q78 Professional Ability

The process by which the placental site heals during puerperium is called _____.

- A. Granulation
- B. Decidual shedding
- C. Regeneration ✓
- D. Cicatrization

Q79 Professional Ability

The District Mental Health Program team typically includes all of the following, EXCEPT:

- A. a Psychiatrist
- B. a Neurosurgeon ✓
- C. a Psychiatric Social Worker
- D. a Clinical Psychologist

Q80 Professional Ability

The association of Nursing superintendent is currently known as

- A. Trained Nurses Association of India ✓
- B. Indian society of Nurses
- C. Asian Catholic Nurses Association
- D. Indian association of Nurses

Q81 Professional Ability

The chest pain that occurs intermittently over a long period with the same pattern of onset, duration, and intensity of symptoms is called_____.

- A. Prinzmetal's angina
- B. unstable angina
- C. chronic stable angina ✓
- D. angina decubitus

Q82 Professional Ability

The National Mental Health Programme was launched in the year-----with a goal to ensure availability of Mental Health Care Services for all.

- A. 1972
- B. 1992
- C. 1982 ✓
- D. 1962



Q83 Professional Ability

A patient who decides to leave the hospital against medical advice (LAMA) must sign a form. What is the purpose of this form?

- A. To indicate the patient's wishes
- B. To use in the event of readmission
- C. To release the physician and hospital from legal responsibility for the patient's health status ✓
- D. To ethically illustrate that the patient has control of his or her own care and treatment

Q84 Professional Ability

In which among the following wound healing process the synthesis of collagen occur

- A. Inflammatory phase
- B. Haemostasis phase
- C. Granulation phase ✓
- D. Maturation phase

Q85 Professional Ability

According to Freud, the part of the mind that is most associated with ineffective personality development is

- A. Unconscious ✓
- B. Semi-conscious
- C. Conscious
- D. Subconscious

Q86 Professional Ability

The process of macrophages engulfs the microorganisms and cellular debris refers to

- A. Propulsion
- B. Leukopoiesis
- C. Thrombopoiesis
- D. Phagocytosis ✓

Q87 Professional Ability

Following is the management of severe hemolytic disease of the newborn due to Rh incompatibility, EXCEPT:

- A. Phototherapy
- B. Antibiotics ✓
- C. Exchange transfusion
- D. IV immunoglobulins

Q88 Professional Ability

Study of cells collected by fine needle aspiration of superficial and deep-seated lesions for diagnosis of pathological condition is termed as _____.

- A. Molecular pathology
- B. Cytopathology ✓
- C. Haematology
- D. Medical genetics

Q89 Professional Ability

The parathyroid glands are partially embedded in which surface of the lateral lobes of the thyroid?

- A. Lower
- B. Upper
- C. Posterior ✓
- D. Anterior

Q90 Professional Ability

Which of the following is the most immediate priority in assessing disaster impact on a community?

- A. Infrastructure damage
- B. Threat to human life and safety ✓
- C. Economic damage assessment
- D. Environmental contamination

Q91 Professional Ability

What is the most appropriate way to assess the effectiveness of nebulization therapy in a 4-year-old child?

- A. Count the number of coughs during treatment
- B. Monitor oxygen saturation and respiratory rate ✓
- C. Measure peak flow readings
- D. Ask the child if breathing feels better

Q92 Professional Ability

When there is necrosis of the tissue due to burn injury, the patient is at risk of developing ____.

- A. Thrombocytopenia
- B. Disseminated intravascular coagulation ✓
- C. Haemorrhage
- D. Neutropenia



Q93 Professional Ability

Which laboratory finding is most consistent with acute DIC?

- A. Decreased fibrin degradation products
- B. Elevated platelet count
- C. Prolonged PT/PTT with thrombocytopenia ✓
- D. Elevated fibrinogen levels

Q94 Professional Ability

Which of the following tissue inflammation is treated by administering the drug Balsalazide ?

- A. Bowel mucosa ✓
- B. Renal mucosa
- C. Venereal mucosa
- D. Olfactory mucosa

Q95 Professional Ability

Which of the following is a warning sign of mental illness?

- A. Desires or demands immediate gratification
- B. Inability to cope with problems and daily activities ✓
- C. Uses sound judgements to make decisions
- D. Accepts self and others

Q96 Professional Ability

Foods rich in carbohydrates and fats are called as

- A. Body building
- B. Energy yielding ✓
- C. Protective
- D. Regulatory

Q97 Professional Ability

The risk factor of hypercalcemia is

- A. Alcohol
- B. Prolonged immobilization ✓
- C. Malabsorption
- D. Sepsis

Q98 Professional Ability

Chronic gout is characterised by multiple joint involvement with the presence of:

- A. Bursae
- B. Podagra
- C. Pain
- D. Tophi ✓

Q99 Professional Ability

In the child guidance clinic, ----- is an important component parent education.

- A. Give freedom to the child
- B. Avoid too much interaction with the family
- C. Keep the child isolated
- D. Strengthening family interaction ✓

Q100 Professional Ability

Which psychological development is at its peak during early adulthood i.e. 20-40 years?

- A. Sensory abilities
- B. Physical abilities
- C. Social connectedness ✓
- D. Intellectual abilities

