

PROVISIONAL ANSWER KEY

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Question1:-Which among the following river banks the famous city Allahabad lies?

- A:-Ganga
- B:-Brahmaputra
- C:-Yamuna
- D:-Kosi

Correct Answer:- Option-C

Question2:-What is the present name of ancient city Pataliputra?

- A:-Lahore
- B:-Patna
- C:-Meerut
- D:-Banaras

Correct Answer:- Option-B

Question3:-Which among the following is associated with Dr. M.S. Swaminathan?

- A:-Oceanography
- B:-Agriculture
- C:-Space Science
- D:-Sports

Correct Answer:- Option-B

Question4:-Which state of India is the largest producer of Diamond?

- A:-Gujarat
- B:-Chattisgarh
- C:-Maharashtra
- D:-Madhya Pradesh

Correct Answer:- Option-D

Question5:-Who was the Viceroy of India at the time of the formation of Indian National Congress in 1885?

- A:-Robert Clive
- B:-Warren Hastings
- C:-Lord Dufferin
- D:-Lord Cornwallis

Correct Answer:- Option-C

Question6:-Who was behind the foundation of 'Young Bengal' movement?

- A:-Henry Louis Vivian Derozio
- B:-Lala Hardayal
- C:-K.T. Telang
- D:-Radanath Sikdar

Correct Answer:- Option-A

Question7:-In which protest against the British Government Lala Lajapat Rai was seriously injured and died after a few days?

- A:-Non-Cooperation Movement
- B:-Simon Commission
- C:-Civil Disobedience Movement
- D:-Quit India Movement

Correct Answer:- Option-B

Question8:-Where was a Gandhian ashram started by C. Rajagopalachari in 1925?

- A:-Thiruchengodu
- B:-Madurai
- C:-Coimbatore
- D:-Rameswaram

Correct Answer:- Option-A

Question9:-When was Mrs. Annie Besent elected as the President of Indian National Congress?

- A:-1915

B:-1917

C:-1919

D:-1922

Correct Answer:- Option-B

Question10:-In which year Rabindranath Tagore was awarded the Nobel Prize in Literature?

A:-1907

B:-1909

C:-1913

D:-1928

Correct Answer:- Option-C

Question11:-Which among the following ancient port has been identified as modern Kodungallur?

A:-Muziris

B:-Tyndis

C:-Barace

D:-Nelcynda

Correct Answer:- Option-A

Question12:-Which among the following Ghat provides access from Kerala to Coorg?

A:-Aramboli

B:-Tamarasseri Ghats

C:-Bodinayakannur

D:-Perambadi Ghats

Correct Answer:- Option-D

Question13:-What is the original name of Brahmananda Sivayogi?

A:-Karat Govindan Kutty Menon

B:-Vayaleri Kunhikannan

C:-Nanu Asan

D:-Chambaka Raman Pillai

Correct Answer:- Option-A

Question14:-Who gave the revolutionary gospel, "No Caste, No Religion, No God for Man"?

A:-Ayyankali

B:-Ayya Vaikundar

C:-Sahodaran Ayyappan

D:-Sri Narayana Guru

Correct Answer:- Option-C

Question15:-In which year V.T. Bhattatirippad wrote his famous work 'Atukkalayilninnu arangaethekku'?

A:-1916

B:-1929

C:-1930

D:-1932

Correct Answer:- Option-B

Question16:-Which is considered as the oldest European structure extant in India?

A:-Dutch Palace at Mattancheri

B:-St. David Fort Madras

C:-Pallipuram Fort

D:-St. Angelo Fort Kannur

Correct Answer:- Option-C

Question17:-Which of the following film won the 2014 Oscar Award?

A:-The Wolf of Wall Street

B:-American Hustle

C:-Philomena

D:-12 Years a Slave

Correct Answer:- Option-D

Question18:-In which year O.M. Nambiar was given the Dronacharya award?

A:-1985

B:-1999

C:-1996

D:-2001

Correct Answer:- Option-A

Question19:-Who was the first Malayali swimmer participated in the Olympic Games?

- A:-M. Devadas
- B:-O. Chandrasekharan
- C:-Sebastian Xavier
- D:-Suresh Babu

Correct Answer:- Option-C

Question20:-Who wrote the famous work 'A Bend in the River'?

- A:-V.S. Naipaul
- B:-Anita Desai
- C:-Indra Sinha
- D:-Aravind Adiga

Correct Answer:- Option-A

Question21:-Haemoglobinopathies can be detected by doing

- A:-Electrophoresis
- B:-Sahli's method
- C:-Flame photometer
- D:-Cyan meth method

Correct Answer:- Option-A

Question22:-_____ are seen in stool microscopy of an amoebic dysentery patient.

- A:-Haematoidin crystals
- B:-Charcot Leyden crystals
- C:-Fatty acid crystals
- D:-Triple phosphate crystals

Correct Answer:- Option-B

Question23:-The condition where we get milky white urine

- A:-Proteinuria
- B:-Alkaptanuria
- C:-Polyuria
- D:-Chyluria

Correct Answer:- Option-C

Question24:-Urinometer is used to detect

- A:-pH of urine
- B:-colour of urine
- C:-sp. gravity of urine
- D:-urobilinogen

Correct Answer:- Option-D

Question25:-Total erythrocyte count is calculated by

- A:- $N \times 1000$
- B:- $N \times 50$
- C:- $N \times 2000$
- D:- $N \times 10000$

Correct Answer:- Option-D

Question26:-What is the action of phenol in Hinglomann's solution?

- A:-lyses the RBC
- B:-stains the platelets
- C:-fixes the cell
- D:-prevents clotting

Correct Answer:- Option-A

Question27:-ASO test is used to detect _____ bacterial infection.

- A:-Staphylococcus
- B:-Streptococcus
- C:-Pneumococcus
- D:-Salmonella

Correct Answer:- Option-B

Question28:-Solution used for the preparation of grease free coverslip

- A:-KOH solution
- B:-Formalin and ether
- C:-95% ethanol and ether
- D:-70% ethanol and ether

Correct Answer:- Option-C

Question29:-For detecting the hemoglobinopathies by electrophoresis we use

A:-clotted blood

B:-plasma

C:-red cell

D:-lysed red cell

Correct Answer:- Option-D

Question30:-Serum complements can be inactivated at a temperature of

A:-56°C for 15 mts

B:-56°C for 30 mts

C:-37°C for 20 mts

D:-37°C for 30 mts

Correct Answer:- Option-B

Question31:-Bombay blood group can be detected by

A:-Cell grouping

B:-Forward grouping

C:-Serum grouping

D:-Lewis method

Correct Answer:- Option-C

Question32:-Giardia lamblia causes

A:-Traveller's diarrhoea

B:-Kala azar

C:-Hydatid cyst

D:-Malaria

Correct Answer:- Option-A

Question33:-_____ is not a component of flame emission photometer.

A:-Bulb

B:-Nebulizer

C:-Flame

D:-Photodetector

Correct Answer:- Option-A

Question34:-Envelope shaped crystals seen in acidic urine

A:-Calcium oxalate

B:-Triple phosphate

C:-Uric acid

D:-Cystine

Correct Answer:- Option-A

Question35:-The ideal temperature of blood bank refrigeration is

A:-2 to -6°C

B:-6 - 8°C

C:-2 to 6°C

D:-2 to 2°C

Correct Answer:- Option-C

Question36:-The process by which the specimen is preserved in its original condition

A:-Mounting

B:-Autolysis

C:-Clearing

D:-Fixation

Correct Answer:- Option-D

Question37:-The egg of which worm is referred to as a 'Japanese Lantern'

A:-Strongyloides stercoralis

B:-Trichuris trichura

C:-Ascaris lumbricoides

D:-Ancylostoma duodenale

Correct Answer:- Option-B

Question38:-Germ tube test is used to confirm

A:-Cryptococcus neoformans

B:-Trichophyton

C:-Microsporum

D:-Candida Albicans

Correct Answer:- Option-D

Question39:-Sodium flouride - oxalate mixture is used for doing blood sugar estimation why?

- A:-enhances glycolysis
- B:-prevent glycolysis
- C:-preserves morphology
- D:-none of the above

Correct Answer:- Option-B

Question40:-Satellite test is used for the identification of

- A:-S. aureus
- B:-S. typhi
- C:-H. influenzae
- D:-Cl. perfringes

Correct Answer:- Option-C

Question41:-Increased osmotic fragility is seen in

- A:-Hereditary spherocytosis
- B:-Iron deficiency anaemia
- C:-Sickle cell anaemia
- D:-Thalassemia

Correct Answer:- Option-A

Question42:-Du antigen is detected by

- A:-DCT
- B:-ICT
- C:-ABO grouping
- D:-None of the above

Correct Answer:- Option-B

Question43:-Normal RBC count

- A:-4.5 to 6.5 millions/`"mm³"`
- B:-80 - 160 millions/ml
- C:-4.5 to 6.5 lakhs /`"mm³"`
- D:-None of the above

Correct Answer:- Option-B

Question44:-The dilution used for doing total sperm count

- A:-1 : 100
- B:-1 : 200
- C:-1 : 20
- D:-1 : 50

Correct Answer:- Option-C

Question45:-The anticoagulant used for doing coagulation studies

- A:-Oxalate
- B:-EDTA
- C:-Heparin
- D:-Citrate

Correct Answer:- Option-D

Question46:-The temperature maintained in a cryostat is

- A:--10°C
- B:--30°C
- C:-4°C
- D:--20°C

Correct Answer:- Option-D

Question47:-The cellophane tape test is used to detect

- A:-Enterobius vermicularis
- B:-Ancylostoma duodenale
- C:-Ascaris lumbricoides
- D:-Echinococcus granulosus

Correct Answer:- Option-A

Question48:-Hydatid cyst is caused by

- A:-Enterobius vermicularis
- B:-Ancylostoma duodenale
- C:-Ascaris lumbricoides

D:-Echinococcus granulosus

Correct Answer:- Option-D

Question49:-The holding period of sterilization for hot air oven

A:-160°C for 1 hr

B:-121°C for 30 mts

C:-160°C for 30 mts

D:-121°C for 1 hr

Correct Answer:- Option-A

Question50:-Widal test is used to detect

A:-Jaundice

B:-Enteric fever

C:-Diphtheria

D:-Tetanus

Correct Answer:- Option-B

Question51:-The metachromatic granules of corneybacterium diphtheria can be demonstrated by

A:-Tuberculin test

B:-Gram's stain

C:-Alberts stain

D:-India ink

Correct Answer:- Option-C

Question52:-Eleks gel precipitation test is used for

A:-S. aureus

B:-Corneybacterium diphtheriae

C:-Cl. tetani

D:-Bacillus

Correct Answer:- Option-B

Question53:-L.J. medium, Loeffler's serum slope etc are sterilized by

A:-Tyndallization

B:-Autoclave

C:-Inspissation

D:-Hot air oven

Correct Answer:- Option-C

Question54:-Hospital wards and operation rooms are disinfected by

A:-UV rays

B:-X rays

C:-Gamma rays

D:-Visible light

Correct Answer:- Option-A

Question55:-Example for transport medium

A:-Wilson and Blairs media

B:-TCBS

C:-Cary blair media

D:-Tellurite agar

Correct Answer:- Option-C

Question56:-Benign tertian malaria is caused by

A:-Pl. falciparum

B:-Pl. ovale

C:-Pl. malariae

D:-Pl. vivax

Correct Answer:- Option-D

Question57:-The method used for the estimation of T. protein

A:-Kjeldhal's method

B:-Nesslerization

C:-Salkowsky reaction

D:-Van den Bergh reaction

Correct Answer:- Option-A

Question58:-The stain used for the demonstration of iron pigments

A:-Van Geison's stain

B:-Perl's stain

C:-PAS stain

D:-Masson trichrome

Correct Answer:- Option-B

Question59:-The inner diameter of wintrobes tube

A:-1.5 mm

B:-3 mm

C:-2.5 mm

D:-1.5 cm

Correct Answer:- Option-C

Question60:-Which is not a diluting fluid for absolute eosinophil count?

A:-Hinglemann's fluid

B:-Piolet's stain

C:-Dunger's fluid

D:-Rees Eckers fluid

Correct Answer:- Option-D

Question61:-Area used for counting AEC in an improved Neubauer chamber

A:-9 mm^2

B:-4 mm^2

C:-1 mm^2

D:-5 mm^2

Correct Answer:- Option-A

Question62:-String test is used to identify

A:-S. aureus

B:-V. cholerae

C:-Proteus

D:-Pseudomonas

Correct Answer:- Option-B

Question63:-ESR is done by

A:-Westergrens tube

B:-Wintrobes tube

C:-Esrte tube

D:-All the above

Correct Answer:- Option-D

Question64:-The factor that increases the ESR

A:-presence of microcytes

B:-presence of albumin

C:-exposure to sunlight

D:-unclean tubes

Correct Answer:- Option-C

Question65:-For doing LE cell test we use

A:-citrated blood

B:-oxalated blood

C:-clotted blood

D:-heparinised blood

Correct Answer:- Option-D

Question66:-The chemical used to detect ketone bodies in urine

A:-Sodium nitroprusside

B:-PDAB

C:- H_2O_2

D:-Ferric chloride

Correct Answer:- Option-A

Question67:-The blue colour of the benedict's reagent is due to

A:-sodium citrate

B:-copper sulphate

C:-ammonium sulphate

D:-sodium carbonate

Correct Answer:- Option-B

Question68:-The condition in which CSF shows clott with 'cob-web' appearance

A:-Xanthochromia

- B:-Poliomyelitis
 - C:-Tuberculous meningitis
 - D:-All the above
- Correct Answer:- Option-C

Question69:-The first step for the sputum smear prepared for cytological examination is

- A:-Fix with ether ethyl alcohol mixture
- B:-Fix with formalin
- C:-Papanicolaou staining
- D:-None of the above

Correct Answer:- Option-A

Question70:-Preservative used in Indian ink is

- A:-lactic acid
- B:-0.3% tricresol
- C:-phenol
- D:-none of the above

Correct Answer:- Option-B

Question71:-The colour of Schiff's reagent is

- A:-yellow
- B:-blue
- C:-pink
- D:-colourless

Correct Answer:- Option-D

Question72:-The bluing solution used for H & E staining

- A:-1% HCl
- B:-70% ethanol
- C:-Tap water
- D:-All the above

Correct Answer:- Option-C

Question73:-Bleeding time is increased in

- A:-Platelet dysfunction
- B:-Vitamin K deficiencies
- C:-Severe clotting factor deficiency
- D:-All the above

Correct Answer:- Option-D

Question74:-The refractive index of DPX is

- A:-1.38
- B:-1.45
- C:-1.52
- D:-1.85

Correct Answer:- Option-C

Question75:-The fixative used for electron microscopy

- A:-potassium dichromate
- B:-glutaraldehyde
- C:-methyl alcohol
- D:-all the above

Correct Answer:- Option-B

Question76:-The normal value of cholesterol is

- A:-150-250 mg%
- B:-100-200 mg%
- C:-250-350 mg%
- D:-120-180 mg%

Correct Answer:- Option-A

Question77:-The smear used for supra vital staining

- A:-unstained unfixed smear
- B:-fixed and stained smear
- C:-fixed smear
- D:-all the above

Correct Answer:- Option-A

Question78:-Cysticercus bovis is the larval form of

A:-Taenia solium

B:-Taenia saginata

C:-Ascaris lumbricoides

D:-Echinococcus granulosus

Correct Answer:- Option-B

Question79:-The bullet shaped virus is

A:-Pox virus

B:-Varicella zoster

C:-Rabies virus

D:-HIV

Correct Answer:- Option-C

Question80:-Lawn culture or carpet culture is used to

A:-obtain large amount of growth

B:-for preparation of antigens

C:-for ABST

D:-all the above

Correct Answer:- Option-D

Question81:-The antibodies that can pass through the placenta

A:-IgG

B:-IgM

C:-(1) and (2)

D:-None of the above

Correct Answer:- Option-A

Question82:-Vandenbergh reaction is used for the estimation of

A:-Cholesterol

B:-Bilirubin

C:-Protein

D:-None of the above

Correct Answer:- Option-B

Question83:-In an unstained sputum smear we can see

A:-Gushman's spirals

B:-Charcot Leyden crystals

C:-Elastic fibres

D:-All the above

Correct Answer:- Option-D

Question84:-Normal concentration of sodium in blood

A:-95-110 mEq/L

B:-3-5 mEq/L

C:-130-150 mEq/L

D:-150-190 mEq/L

Correct Answer:- Option-C

Question85:-Clostridium perfringens can be identified by

A:-Nagler reaction

B:-Satellite test

C:-Coagulase test

D:-String test

Correct Answer:- Option-A

Question86:-Cocci that are seen in grape like clusters

A:-Staphylococcus

B:-Streptococcus

C:-Corney bacterium

D:-Cryptococcus

Correct Answer:- Option-A

Question87:-Fixative that contains mercuric chloride

A:-Carnoy's fluid

B:-Bouin's fluid

C:-Zenker's fluid

D:-Rossman's fluid

Correct Answer:- Option-C

Question88:-SGOT is increased in

- A:-Myocardial infarction
- B:-Viral hepatitis
- C:-Toxic hepatitis
- D:-All the above

Correct Answer:- Option-D

Question89:-In a colorimeter, the cuvette made of _____ is used for UV range of light.

- A:-Borosilicate
- B:-Quartz
- C:-(1) and (2)
- D:-None of the above

Correct Answer:- Option-B

Question90:-RBC pipette can be used for

- A:-RBC count
- B:-Platelet count
- C:-(1) and (2)
- D:-None of the above

Correct Answer:- Option-C

Question91:-Basophilic stippling can be seen in

- A:-G6 PD deficiency
- B:-Metal poisoning
- C:-Splenectomy
- D:-Erythroblastosis foetalis

Correct Answer:- Option-B

Question92:-Dehaemoglobinisation of a thick smear can be done by

- A:-glacial acetic acid and tartaric acid mixture
- B:-methanol
- C:-distilled water
- D:- (1) and (3)

Correct Answer:- Option-D

Question93:-Sickle cell can be demonstrated by

- A:-Scriver and Waugh method
- B:-Solubility test
- C:-Dithionite method
- D:-All the above

Correct Answer:- Option-D

Question94:-Bence Jones proteins can be detected by

- A:-Pandy's test
- B:-SSA test
- C:-Bradshaws test
- D:-Heat and acetic acid test

Correct Answer:- Option-C

Question95:-Bile pigments are detected by

- A:-Rotheras test
- B:-Fouckets test
- C:-Hays test
- D:-Benzidine test

Correct Answer:- Option-B

Question96:-Urease test is positive for all except

- A:-E. coli
- B:-Proteus
- C:-Cryptococcus
- D:-Citrobacter

Correct Answer:- Option-A

Question97:-In plasmodium falciparum infection, erythrocytes shows

- A:-Shuffner's dot
- B:-Maurer's dot
- C:-Ziemann's dot
- D:-James dot

Correct Answer:- Option-B

Question98:-Casoni's test is related to

A:-Trichuris trichura

B:-Enterobius vermicularis

C:-Echinococcus granulosus

D:-Taenia solium

Correct Answer:- Option-C

Question99:-Seitz filters are example for

A:-Asbestos

B:-Glass

C:-Membrane

D:-Candle

Correct Answer:- Option-A

Question100:-The red colour of the blood is due to

A:-Myoglobin

B:-Globulin

C:-Albumin

D:-Haemoglobin

Correct Answer:- Option-D