

लोक सेवा आयोग
पाटन स्वास्थ्य विज्ञान प्रतिष्ठान सेवा आयोग, प्राविधिक, ल्याब, सातौं, ल्याब टेक्नोलोजिष्ट पदको खुला
प्रतियोगितात्मक लिखित परीक्षा
२०८०।०८।२८

KEY [C]

पत्र - प्रथम
समय - ४५ मिनेट

पूर्णाङ्क - १००

विषय : Technical Subject, General Knowledge and Related Legislation

उत्तरपुस्तिकामा प्रश्नपत्रको KEY अनिवार्य रूपले उल्लेख गर्नुपर्नेछ । उल्लेख नगरेमा उत्तरपुस्तिका रद्द हुनेछ । परीक्षामा calculator, mobile प्रयोग गर्न पाइनेछैन ।

Multiple Choice

50x2=100 Marks

1. Good lipid is
A) Triglyceride B) LDL **C) HDL** D) Total cholesterol
2. Glucose can be synthesized from all except
A) Amino acid B) Glycerol **C) Acetoacetate** D) Lactic acid
3. Molecular formula of Glucose is
A) C₆H₁₂O₆ B) C₅H₁₂O₆ C) C₆H₁₁O₆ D) C₆H₁₂O₅
4. Urine pregnancy test detects
A) Estrogen B) Progesterone C) FHS **D) Beta HCG**
5. The principle of VDRL test is
A) Haemagglutination **B) Flocculation** C) ELISA D) CLIA
6. CA 125 is the cancer marker of
A) gastrointestinal tract B) male genital tract
C) female genital tract D) respiratory system
7. External quality assurance is needed for
A) monitoring the performance of a single laboratory
B) daily monitoring of accuracy
C) comparing the performance of different laboratories
D) daily monitoring of precision
8. Serum electrolytes are analyzed using
A) Calorimeter **B) Flamephotometer**
C) Spectrophotometer D) ELISA
9. SARS virus is a
A) Lenti virus **B) Corona virus** C) Calci virus D) Arena virus
10. Nigrosin solution is used for
A) Gram staining B) AFB staining
C) AAFB staining **D) Negative staining for capsules**
11. In Wintrobes mixture, ammonium oxalate and potassium oxalate is mixed in the rat
.....
A) 2:3 **B) 3:2** C) 1:4 D) 2:1
12. Base sledge microtome is also known as microtome.
A) Rotary **B) Sliding** C) Freezing D) Rocking



13. Congo red stains
 A) mucin B) iron **C) amyloid** D) collagen tissue
14. Thickness of tissue for Histopathology is μ .
 A) 1-2 **B) 3-5** C) 6-9 D) 10-15
15. Dehydrated agent, alcohol used in histopathology is used in the order of
A) 70% - 80% - 95% - 100% B) 40% - 60% - 80% - 100%
 C) 60% - 70% - 80% - 100% D) 100% - 90% - 80% - 70%
16. Which of the following fixative is used most commonly in histopathology?
 A) Formaldehyde B) Ethanol
C) 10% buffered formal saline D) Isopropanolol
17. नेपालले दक्षिण एसियाको कति प्रतिशत भूभाग ओगटेको छ?
A) ००३ B) ०३ C) १८२ D) २८२
18. CAR-T कुन रोगसँग सम्बन्धित छ?
 A) मधुमेह **B) क्यान्सर** C) क्षयरोग D) दादुरा
19. पाटन स्वास्थ्य विज्ञान प्रतिष्ठान ऐन, २०६४ अनुसार पाटन स्वास्थ्य विज्ञान प्रतिष्ठानको कुलपति को हुन्छ?
 A) राष्ट्रपति B) स्वास्थ्य तथा जनसंख्या मन्त्री
 C) प्रधानमन्त्री D) शिक्षा, विज्ञान तथा प्रविधि मन्त्री
20. पाटन स्वास्थ्य विज्ञान प्रतिष्ठानको कर्मचारी सेवाका शर्त र सुविधा सम्बन्धी नियमावली, २०६७ अनुसार प्रतिष्ठानका कर्मचारीलाई निलम्बन गर्दा कति समयभन्दा बढी निलम्बन गर्न हुँदैन?
 A) १ महिना B) २ महिना C) ३ महिना D) ५ महिना
21. पाटन स्वास्थ्य विज्ञान प्रतिष्ठानले नेपालमा उत्पादित मालसामान विदेशीभन्दा कति प्रतिशतसम्म महँगो भएतापनि नेपाली मालसामान नै खरिद गर्नुपर्छ?
 A) ५ B) ७ C) १० D) १२
22. पाटन अस्पताल सञ्चालन विनियमावली, २०६७ बमोजिम पाटन अस्पतालको नियमित कार्यालय समय बाहेकको प्रशासनिक जिम्मेवारी कसको हुने व्यवस्था रहेको छ?
 A) मेडिकल निर्देशक B) विभागाध्यक्ष C) नर्सिङ सुपरभाइजर D) वित्तीय निर्देशक
23. स्वास्थ्य सेवाको अधिकृत तहको पदमा बढुवाको लागि सिफारिस गर्न गठित बढुवा समितिको अध्यक्ष को हुन्छ?
 A) लोक सेवा आयोगको अध्यक्ष वा निजले तोकेको लोक सेवा आयोगको सदस्य
 B) मुख्य सचिव
 C) स्वास्थ्य मन्त्रालयको सचिव
 D) लोक सेवा आयोगद्वारा मनोनित सम्बन्धित विषयको विशेषज्ञ
24. देहायका मध्ये कुन अवस्थामा नेपाल मेडिकल काउन्सिलको सदस्यमा मनोनित वा निर्वाचित हुन वा सदस्यमा बहाल रहन योग्य मानिन्छ?
 A) गैर नेपाली नागरिक भएको
 B) नैतिक पतन देखिने फौजदारी अभियोगमा अदालतबाट कसूरदार ठहरी सजाय पाएको
 C) काउन्सिलले दर्ता किताबबाट नाम हटाएको
D) एम.बी.बी.एस. वा सो सरह वा बी.डी.एस. वा सो सरहको उपाधि प्राप्त गरेको मितिले पाँच वर्ष पूरा भएको



25. नेपाल नर्सिङ परिषद् विघटन भएकोमा सो विघटन भएको मितिले सामान्यतया कति समयभित्र नयाँ परिषद् गठन गर्नुपर्छ?
- A) 3 महिनाभित्र B) ४ महिनाभित्र C) ५ महिनाभित्र D) ६ महिनाभित्र
26. नेपाल स्वास्थ्य व्यवसायी परिषद्को निर्णय कसले कार्यान्वयन गर्छ?
- A) अध्यक्ष B) कर्मचारी C) रजिष्ट्रार D) परिषद्
27. Fehling's test in urine is used to differentiate between
- A) iron and non-iron compound B) reducing and non-reducing sugar
C) lipid and non-lipid D) none of the above
28. Which of the following is done to rupture leukocyte and expose nuclear material for LE cell preparation?
- A) Incubated at 37°C for 3 hours
B) Shaking venous blood vigorously with glass beads
C) Both A and B
D) None of the above
29. When all three red cell indices are markedly increased, the cause may be
- A) Iron deficiency anaemia B) Pernicious anaemia
C) Megaloblastic anaemia D) Rouleaux formation
30. Which of the following best describes MCHC?
- A) Represents the color of RBC
B) Represents the size of RBC
C) Represents packed cell volume of RBC
D) Represents the number of RBC in millions per cubic millimeter
31. The size of red blood cell is measured by
- A) PCV B) MCV C) MCH D) MCHC
32. A person's ABO blood group depends on the A, B and O genes located in chromosome number
- A) 7 B) 9 C) 11 D) 15
33. Earliest recognizable neutrophil precursor cell without cytoplasmic granules with 3-5 nucleoli is called
- A) Myeloblast B) Myelocyte C) Promyelocyte D) Metamyelocyte
34. Light blue-top tubes contain Sodium Citrate and are used to collect blood specimens for
- A) CBCs B) Blood culture
C) Coagulation studies (PT/INR) D) Blood sugar
35. Sickling test is done to detect the presence of
- A) Hereditary spherocytosis B) Folate deficiency anemia
C) Haemophilia A D) HbS gene
36. Anticoagulant used for ESR testing by Winthrobe technique is
- A) Na/K EDTA B) Citrate C) Heparin D) Oxalate
37. Negri bodies are found in infection with
- A) Rabies virus B) CCHF C) Hantavirus D) Nipah virus



C - 4, प्राविधिक, त्याच, साती, त्याच टेक्नोलोजिष्ट

38. HIV virus contains enzyme
- A) Reverse polymerase
B) Reverse peptase
C) Reverse transcriptase
D) Reverse dehydrogenase
39. Which of the following protein modifying agents is used extensively in hospitals for the sterilization of heat sensitive materials such as surgical instruments and plastics?
- A) Strong acids and alkalis
B) Ethylene dioxide
C) Hydrogen peroxide
D) Formaldehyde
40. What is the number of chromosomes in a prokaryotic bacterial cell?
- A) One
B) Two
C) Three
D) Four
41. Type I hypersensitivity includes all of the following except
- A) autoimmune hemolytic anemia
B) anaphylaxis
C) bronchial asthma
D) hay fever
42. Diagnostic test used for diphtheria is
- A) Blood culture
B) Dick test
C) Shick test
D) Widal test
43. All of the following viral hepatitis types are transmitted through blood except
- A) Hepatitis A
B) Hepatitis B
C) Hepatitis C
D) Hepatitis D
44. Agar concentration required for preparation of nutrient agar is
- A) 0.25-0.5
B) 0.5-1
C) 1-2
D) 4-6
45. Endoscope is sterilized by
- A) Glutalaldehyde
B) Formaldehyde
C) Autoclaving
D) Hot air oven
46. Which one of the following is most resistant to sterilization?
- A) Tuberculosis bacilli
B) Viruses
C) Spores
D) Prions
47. Creatinine Phosphokinase (CPK) Mb is
- A) liver enzyme
B) cardiac enzyme
C) hormone
D) none of the above
48. Insulin produced by pancreas is
- A) enzyme
B) carbohydrate
C) hormone
D) protein
49. 1gm mol weight of any substance dissolved in a final solution of 1 liter is called solution.
- A) Percent
B) Molar
C) Normal
D) Diluted
50. In Biochemistry, accepted range of numerical value should be within standard deviation of
- A) +1 and -1
B) +2 and -2
C) +3 and -3
D) +3.5 and -3.5



- The End -

उत्तरपुस्तिकामा KEY अनिवार्य रूपमा लेख्नुहोला ।