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STAFF NURSE, GRADE II, NCA

EXAM DATE: 26-10-2016

1. What is the speed of a car in m/s, moving with a speed of 64 km/h?

A. 3.5 m/s

B. 4 m/s

C. 3 m/s*

D. 5 m/s

Ans: C

2. The speed of light in glass of refractive index 1.5 is:

A. 1.5×10^8 m/s

B. 2×10^8 m/s*

C. 2.5×10^8 m/s

D. 3×10^8 m/s

Ans: B

3. The property of a body by which it opposes the flow of charge through it is called:

A. Capacitance

B. Potential

C. Resistance*

D. Conductance

Ans: C

4. Work done by a body is negative when:

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- A. Force and displacement are in the same direction
- B. Force and displacement are perpendicular
- C. Force produces no displacement
- D. Displacement is opposite to the force*

Ans:D

5.The nuclear radius of an atom is of the order of:

- A. 10^{-15}m^*
- B. 10^{-2}m
- C. 10^{-10}m
- D. 10^{-6}m

Ans:A

6.Nitric acid is industrially prepared by:

- A. Contact process
- B. Ostwald process*
- C. Haber process
- D. Solvay process

Ans:B

7.Primary,secondary and tertiary alcohols can be distinguished by:

- A. Hinsberg test
- B. Silver mirror test
- C. Iodoform test

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D.Lucas test*

Ans:D

8.The electrode potential of standard hydrogen electrode is:

A.1.5 V

B.1 V

C.0 V*

D.1.1 V

Ans:C

9.Which of the following is a water soluble vitamin?

A.Vitamin C*

B.Vitamin D

C.Vitamin A

D.Vitamin K

Ans:A

10.The intermolecular hydrogen bonding present in:

A.HCl

B.CH₄

C.HBr

D.HF*

Ans:D

11.Chipko movement is connected with:

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- A.Forest conservation*
- B.Plant breeding
- C.Project tiger
- D.Biotechnology

Ans:A

12.Edible Part of coconut is:

- A.Epicarp
- B.Endocarp
- C.Endodermis
- D.Endosperm*

Ans:D

13.Minamata disease is due to pollution of:

- A.Organic waste into drinking water
- B.Oil spill in water
- C.Industrial waste mercury into fishing water*
- D.Arsenic into the atmosphere

Ans:C

14.Restriction enzymes are used in genetic engineering because they:

- A.Can join DNA fragments
- B.Can cut DNA at specific sequence*
- C.Can protect DNA from harmful proteins

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D.Can multiply DNA fragments

Ans:B

15.Rice crop was destroyed by a fungus which resulted in severe famine of Bengal in 1942.It was due to:

A.Phytophthora

B.Rhizopus

C.Puccinia

D.Helminthosporium*

Ans:D

16.Nitrogen base common to DNA and RNA is:

A.Thymine

B.Uracil

C.Adenine*

D.Both A and B

Ans:C

17.A non-nucleated cell in human body:

A.Erythrocyte*

B.Leucocyte

C.Chondrocyte

D.Osteocyte

Ans:A

18.The pathogen responsible for Malaria is:

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- A.Bacteria
- B.Mosquito
- C.Virus
- D.Protozoan*

Ans:D

19.Digestive enzyme common to salivary glands and pancreas is:

- A.Trypsin
- B.Amylase*
- C.Chymotrypsin
- D.Renin

Ans:B

20.Example for heterocrine gland in human is:

- A.Pancreas*
- B.Parathyroid
- C.Virus
- D.Protozoan

Ans:A

21.Most common causative agent for urinary tract infection is:

- A.Escherichia coli*
- B.Streptococcus
- C.Staphylococcus

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D.Entamoeba Hystolytica

Ans:A

22.The increased blood flow to the pelvic organs in pregnancy render a bluish colour is called:

A.Osiander's sign

B.Jacquemier's sign*

C.Hegar's sign

D.Goodell's sign

Ans:B

23.The antidote for magnesium sulphate in eclampsia in pregnancy is:

A.Sodium chloride

B.Calcium carbonate

C.Calcium chloride

D.Calcium gluconate*

Ans:D

24.The normal pH of urine is:

A.4 to 8*

B.10 to 12

C.1 to 3

D.14 to 18

Ans:A

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25.Trendelenburg position is provided for a patient with following conditions'EXCEPT':

- A.Following spinal anesthesia
- B.Preventing shock
- C.During thoracentesis*
- D.Retaining fluids in retention enema

Ans:C

26.Whipple procedure is the surgical management of:

- A.Ca Colon
- B.Ca Stomach
- C.Ca Esophagus
- D.Ca Pancreas*

Ans:D

27.Collection of air in the subcutaneous issue:

- A.Melanoma
- B.Empyema
- C.Emphysema*
- D.Pyo derma

Ans:C

28.Humidifier attached to a oxygen source helps to:

- A.Prevent transmission of microorganism
- B.Prevent dryness of mucous membrane*

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C.Prevent irritation on the skin

D.Prevent fire hazard

Ans:B

29.Massaging the insulin injection site leads to:

A.Unpredictable absorption*

B.Bruising of the site

C.Tissue damage

D.Infection of injection site

Ans:A

30.Normal serum potassium level:

A.6.0 to 8.0 meq/litre

B.3.5 to 5.0 meq/litre*

C.0.5 to 2.0 meq/litre

D.10 to 12 meq/litre

Ans:B

31.Normal intracranial pressure:

A.0 to 5 mm Hg

B.40 to 50 mm Hg

C.20 to 35 mm Hg

D.0 to 15 mm Hg*

Ans:D

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32.Dialation of renal pelvis is known as:

- A.Glomerulonephritis
- B.Pyeonephritis
- C.Hydronephrosis*
- D.Nephrotic syndrome

Ans:C

33.Largest cranial nerve is:

- A.Trigeminal nerve*
- B.Olfactory nerve
- C.Glossopharyngeal nerve
- D.Hypoglossal nerve

Ans:A

34.Melatonin is a hormone secreted by:

- A.Thyroid gland
- B.Pineal gland*
- C.Pituitary gland
- D.Adenoid gland

Ans:B

35.Route of administration of BCG vaccination is:

- A.Intra dermal*
- B.Intra muscular

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C.Sub cutaneous

D.Oral

Ans:A

36.Kaposi sarcoma is common in:

A.Hepatitis

B.Psoriasis

C.Dermatitis

D.AIDS*

Ans:D

37.Geriatric Medicine is a speciality that focus on:

A.Adolescent population

B.Female population

C.Elderly population*

D.Male population

Ans:C

38.ECG changes in cardiac ischemia is:

A.ST segment depression*

B.Physiologic Q wave

C.ST segment elevation

D.Pathologic Q wave

Ans:A

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39.The occupational disease caused by inhalation of cotton fibre dust over a long period of time:

- A.Bagassosis
- B.Anthracosis
- C.Silicosis
- D.Byssinosis*

Ans:D

40.An epidemic outbreak of disease in bird population:

- A.Enzootic
- B.Epornithic*
- C.Pandemic
- D.Epizootic

Ans:B

41.The concept public health was born in:

- A.Greek
- B.China
- C.Rome*
- D.Egypt

Ans:C

42.Father of Indian surgery:

- A.Charaka
- B.Susrutha*

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C.Atraya

D.Vaghbata

Ans:B

43.First anti psychotic drug used in schizophrenia

A.Lithium

B.Amitriptylline

C.Chlorpromazine*

D.Imipramine

Ans:C

44.Dread of high places is called:

A.Agoraphobia

B.Zoophobia

C.Claustrophobia

D.Acrophobia*

Ans:D

45.The hyper pigmented patch on the cheeks and face of the pregnant woman is known as:

A.Chloasma*

B.Palmer's sign

C.Snow

D.Hegar's sign

Ans:A

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46.The HCG level in normal pregnancy reach a peak in:

- A.60 to 70 days*
- B.20 to 30 days
- C.40 to 50 days
- D.0 to 10 days

Ans:A

47.A specific type of imaging that uses a low dose X-ray system to examine breast:

- A.Angiography
- B.Cholangiography
- C.Mammography*
- D.Bronchography

Ans:C

48.Inflammation of the cornea is called:

- A.Corneal ulcers
- B.Keratitis*
- C.Uveitis
- D.Blepharitis

Ans:B

49.Hearing loss associated with aging is known as:

- A.Menier's disease
- B.Otosclerosis

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C.Labyrinthitis

D.Presbycosis*

Ans:D

50.An example of proton pump inhibitor:

A.Cotrimoxazole

B.Pandaprazole*

C.Flucanazole

D.Mebandazole

Ans:B

51.Therapeutic blood level of lithium is:

A.30 to 150 mg/litre

B.13 to 20 mg/litre

C.0.8 to 1.2 meq/litre*

D.2.0 to 4.0 meq/litre

Ans:C

52.The World Environment Day is celebrated on:

A.June 5th*

B.June 15th

C.July 5th

D.July 15th

Ans:A

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53.An example of calcium channel blocker:

- A.Atrovastatin
- B.Atenolol
- C.Clopidogrel
- D.Amlodipine*

Ans:D

54.Thiamine deficiency can lead to:

- A.Rickets
- B.Night blindness
- C.Xerophthalmia
- D.Beri-Beri*

Ans:D

55.Prevention of Food Adulteration Act was enacted by the Indian parliament in the year:

- A.1963
- B.1954*
- C.1949
- D.1989

Ans:B

56.Smallpox was officially declared eradicated from the entire world by world health organization in the year:

- A.1980*

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B.1970

C.1960

D.1990

Ans:A

57.Multi drug resistant Tuberculosis is one that is at least resistant to:

A.Thioacetazone and Ethambutol

B.Ciprofloxacin and Ofloxacin

C.Isoniazid and Rifampicin*

D.Pyarazinamide and Streptomycin

Ans:C

58.The following is NOT an extra pyramidal symptom:

A.Parkinsonism

B.Anhedonia*

C.Dystonia

D.Akathisia

Ans:B

59.A type of delusion in which patient reports of non-existence of self or world:

A.Delusion of jealousy

B.Delusion of grandiosity

C.Nihilistic delusion*

D.Delusional perception

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Ans:C

60.One gram protein gives:

A.4 calories*

B.9 calories

C.6 calories

D.10 calories

Ans:A

61.After snake bite which of the following one is not a correct management?

A.Calm and reassure the victim

B.Inmobilize the affected part

C.Wash the wound with normal saline

D.Make a wound on the bite site to drain the blood*

Ans:D

62.Difficulty in swallowing is termed as:

A.Anorexia

B.Dyspepsia

C.Dysphagia*

D.Nausea

Ans:C

63.Normal blood urea level:

A.5 to 10 mg/dl

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B.50 to 60 mg/dl

C.70 to 80 mg/dl

D.20 to 40 mg/dl*

Ans:D

64.The body temperature of a patient admitted with typhoid fever is 38 degree Celsius,convert it into Fahrenheit:

A.100.4*

B.101.4

C.102.4

D.103.4

Ans:A

65.The first mammary secretion is called:

A.Prolactin

B.Colostrum*

C.Lactogen

D.Relaxin

Ans:B

66.Pap smear is used to diagnose:

A.Malaria

B.Cancer of the cervix*

C.Cancer stomach

D.Tuberculosis

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Ans:B

67.The syndrome caused by excess production of glucocorticoid:

- A.Cushing syndrome*
- B.Nephrotic syndrome
- C.Compartment syndrome
- D.Diabetes mellitus

Ans:A

68.The most important Essential Fatty Acid(EFA)is:

- A.Eichosapentaenoic acid
- B.Linoleinic acid
- C.Arachidonic acid
- D.Linoleic acid*

Ans:D

69.Bitots spots is seen in deficiency of:

- A.Vitamin B
- B.Vitamin C
- C.Vitamin A*
- D.Vitamin D

Ans:C

70.Kegal exercise is a:

- A.Pelvic floor muscle exercise*
- B.Shoulder exercise

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C.Abdominal muscle exercise

D.Chest exercise

Ans:A

71.End stage renal disease occur when the Glomerular Filtration Rate(GFR)is:

A.Less than 25 ml/minute

B.Less than 15 ml/minute*

C.Less than 35 ml/minute

D.Less than 45 ml/minute

Ans:B

72.World Breast week is on:

A.September 1 to 7

B.September 15 to 21

C.August 1 to 7*

D.August 15 to 21

Ans:C

73.Dose of Vitamin K given to a neonate after birth is:

A.0.2 mg

B.1.5 mg

C.1 mg

D.0.5 mg*

Ans:D

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74.Baby friendly hospital initiative was launched in the year:

A.1991*

B.1981

C.1984

D.1994

Ans:A

75.Causative agent of whooping cough:

A.Coxiella burnetii

B.Borrelia recurrentis

C.Xenospyla Braziliensis

D.Bordetella pertusis*

Ans:D

76.Health survey and planning committee is popularly known as:

A.Bhore committee

B.Mudaliar committee*

C.Mukerji Committee

D.Kartar Sing committee

Ans:B

77.Gross painless chronic haematuria is common in:

A.Ca Prostate

B.Renal injury

C.Ca bladder*

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D.Hydronephrosis

Ans:C

78.Inflammation of gall bladder is known as:

A.Cystitis

B.Gastritis

C.Cholecystitis*

D.Gastroenteritis

Ans:C

79.Pathological imitation of speech of one person by another:

A.Stereotypy

B.Echolalia*

C.Cataplexy

D.Echopraxia

Ans:B

80.Eight stages of psychosocial development was forwarded by:

A.Piaget

B.Kraepelin

C.Freud

D.Erikson*

Ans:D

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