Entrance Exam

2024



QUESTION PAPER

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Atal Medical & Research University, H.P.

(A State Govt. University)

(SLBS Govt. Medical College & Hospital Campus, Ner Chowk, Mandi, H.P.)

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Answer keys

for M. Sc. Nursing Entrance test

Paper Code-2403

held on 7th July, 2024

Morning Shift (10:00 AM to 12:00 Noon)

If a candidate does not satisfy with the key answers, he/she can make representation with documentary proof to the COE, Atal Medical and Research University, HP, at Nerchowk, Distt. Mandi, HP-175008 through email on coemedicaluniv.mandi@gmail.com up to 09.07.2024 by 05:00 PM and thereafter, no representation will be entertained under any circumstances.

-Sd/-
(Dr. Parveen Kumar Sharma)
Controller of Examinations
Atal Medical & Research University, HP,
Ner Chowk, Distt. Mandi.

(To be filled by the candidate) **Booklet S. No. _____**

Roll No. (In figures) _____

Roll No. (In words) _____

Name of the Candidate : _____

Father's Name : _____

Center of Examination : _____

Total No. of Questions : 100

Paper Code- 2403

Time Allowed : 2 Hours **Maximum Marks : 100**

IMPORTANT NOTE:

(i) OMR Answer Sheet will be supplied by the Examination Centre Superintendent for answering the questions.

(ii) Use **Blue/Black Ink/ Ball Pen only**, to darken the appropriate circle in the OMR Answer Sheet.

(iii) Darken one circle deeply for each question in the OMR Answer Sheet, as faintly darkened circle might be rejected by the Optical Scanner.

(iv) Darkening of more than one circle shall be rejected by the scanner. **Over-writing, cutting, erasing or use of White Fluid is not allowed.**

(v) Before dealing with the question paper, fill-up the required information with Blue/Black Ball Pen correctly both in the Question Booklet and in the OMR Answer Sheet.

(vi) Do not fold the OMR Answer Sheet nor put any mark here and there to avoid rejection by the Optical Scanner.

(vii) Write Roll. No. carefully on the OMR Answer Sheet and darken the appropriate circle properly.

(viii) **Each question carries One Mark. There will be No Negative Marking.**

(ix) Use of Calculator is not allowed.

(x) Rough work be done on the sheet(s) at the end.

(xi) **MOBILE TELEPHONES (EVEN ON SWITCH-OFF MODE) AND SUCH OTHER ELECTRONIC DEVICES ARE NOT ALLOWED INSIDE THE EXAMINATION HALL.**

(xii) The question paper-booklet will be retained by the candidate after the entrance test is over.

(xiii) Question No. 1-20 is of Medical Surgical Nursing including Anatomy, Physiology, Pharmacology, Pathology, Genetics & Microbiology, 21-40 is of Community Health Nursing including Research & Statistics, 41-60 is of Obstetric & Gynecological Nursing including Nursing Education &Administration, 61-80 is of Child Health Nursing including Nutrition, Biochemistry & Biophysics and 81-100 is of Mental health Nursing including Psychology & Sociology subjects.

M. Sc. Nursing

Medical Surgical Nursing including Anatomy, Pharmacology, Pathology, Physiology, Genetics & Microbiology

1. which of the following is not plasma derived chemical mediator

a. cytokinin

b. complement component

c. kinins

d. coagulation proteins

Answer a. cytokinin

2. Plasma protein level below the level will lead to oedema

a. 5gm/dl

b. 6 gm/dl

c. 7 gm/dl

d. 8 gm/dl

Answer a. 5gm/dl

3. Type of hypersensitivity reaction occurs during transfusion and erythroblastosis fetalis are

a. Type 1

b. Type 11

c. Type 111

d. Type 1V

Answer: b Type 11

4. which of the following structure has no cartilage in it

a. Epiglottis

b. Trachea

c. Bronchi

d. Bronchiole

Answer: d Bronchiole

5. Main side effect of allopurinol is

a. Maculopapular rash

b. Nasal congestion

c. Headache

d. Neutropenia

Answer: a Maculopapular rash

6. Nutmeg liver is seen in

a. Chronic venous congestion of liver

b. infarction of liver

c. amyloidosis

d. Budd Chiari syndrome

Answer: a. chronic venous congestion of liver

7. Haematochezia is seen in all except

a. Piles

b. Anal fissures

c. Upper GI Bleed

d. Lower GI Bleed

Answer c. Upper GI Bleed

8. To perform colostomy irrigation the catheter should be inserted in the stoma upto

a. 5cms

b. 10 cms

c. 15 cms

d 20 cms

Answer b. 10 cms

9. Nurse was checking the reports of a male patient who is taking 5-flourouracil chemotherapy for the treatment of colon cancer, which of the following findings should alert the nurse to contact the physician.

a. WBC count of 1800/mm3

b. Platelets count of 150000/mm3

c. Heamoglobin of 9.5 g/dl

d. Haematocrit 0f 42%

Answer a. WBC count of 1800/mm3

10 True about the hepatocellular carcinoma is

a. They are usually non resectable because of rapid growth and metastasis
b. Cirrhosis, hepatitis B,C and certain chemicals are the causative factors
c. Most commonly it metastizes to lungs adrenals lymph nodes and bones
d. All the above

Answer d. All the above

11. which of the following is true regarding macular degeneration

a. It is the central loss of the vision
b. Wet macular degeneration is more common in this
c. Dry macular degeneration is less common in this
d. It affects the cornea of the eye

Answer a. It is the central loss of the vision

12.Keloid is made up of

a. Dense collagen

b. Fibrinogen

c. Dead tissues

d. Dermis and Epidermis

Answer a. Dense collagen

13. Definitive diagnostic method for pulmonary embolism is

a. Pulmonary angiography

b. Pulmonary function test

c. Pulse oximetry

d. Ventilation perfusion scan

Answer a. Pulmonary angiography

14. which of these planes does the chest leads of 12 leaded ECG RECORD THE HEART electrical activity

a. Sagittal

b. Coronal

c. Transverse

d. Horizontal

Answer d. Horizontal

15. The first elevating enzyme following MI is

a. CPK-MB

b. Troponin -I

c. Myoglobin

d. Troponin -t

Answer: c. Myoglobin

16. The triad sign seen in cardiac tamponade is

a. Tachycardia, tachypnoea, tender hepatomegaly.

b. Muffled heart sounds, distended neck veins, hypotension

c. Stasis, hypercoagulability, vessel injury

d. Chest pain, heart failure, syncope

Answer: b. Muffled heart sounds, distended neck veins, hypotension

17. Chronic rejection of the renal transplant usually occurs after

a. 1 week

b. 2 weeks

c. 4 weeks

d.12 weeks

Answer: d. 12 weeks

18. While preparing a patient for surgery who has DM , the nurse should be aware of which of the following potential surgical risk associated with this disease.

a. Altered metabolism of the drugs and excretion of drugs

b. Fluid and electrolyte balance

c. Respiratory depression from anaesthesia

d. Poor wound healing

Answer: d. Poor wound healing

19. A client is getting prednisolone injection as continuous infusion. The important nursing management is

a. Hourly urine specific gravity
b. Hourly blood sugar
c. Hourly abdominal girth
d. Hourly head circumference

Answer: b. Hourly blood sugar

20 Which of the following is not true about the pheochromocytoma is

a. Catecholamine secreting tumours found in adrenal medulla
b. Client will be having hypertension
c. Pounding headache and profuse sweating are clinical manifestation
d. Bradycardia is present

Answer: d. Bradycardia is present

Community Health Nursing including Research & Statistics

21. National Institution For Transforming India (NITI) Aayog was established on:-

a) 1st January 2015
b) 1st March 2015
c) 1st September 2015
d) 1st December 2015

Answer:-(a)

22. Psychological Barrier in communication is:-

a) Difficulty in expression or hearing
b) Level of intelligence
c) Noisy environment
d) Illiteracy

Answer:-(b)

23. An outbreak of disease in a bird population is called:-

a) Ornithology
b) Epornithic
c) Oncology
d) Anthropology

Answer:-(b)

24. The decomposition of organic matter in sewage takes place by processes:-

a) Aerobic processes
b) Anaerobic processes
c) Both a and b
d) None of these

Answer:-(c)

25. The BCG dose to newborn aged below 4 weeks is:-

a) 0.1ml
b) 0.05ml
c) 0.5ml
d) 1ml

Answer:-(b)

26. The procedure of removal and ligation of fallopian tube is referred as:-

a) Vasectomy
b) Tubectomy
c) Laparotomy
d) Mastectomy

Answer:-(b)

27. The Continuous scrutiny of all aspects of occurrence and speed of disease in a specific population is:-

a) Monitoring
b) Eradication
c) Surveillance
d) Evaluation of control

Answer:-(c)

28. The key principles of human right to health are:-

a) Universality
b) Accountability
c) Equity
d) All of the above

Answer:-(d)

29. Which is good health indicator of socioeconomic development in general:-

a) Infant mortality rate
b) Life expectancy at birth
c) Maternal mortality rate
d) Case Fatality

Answer:(b)

30. AIDS is caused by:-

a) Paramyxovirus
b) Rhabdovirus
c) Retrovirus
d) None of these

Answer:-(c)

31. All of the diseases given below are water borne except:-

a) Brucellosis
b) Leptospirosis
c) Typhoid fever
d) Schistosomiasis

Answer:-(a)

32. Population statistics include indicators that measures the option:-

a) Natural Growth rate
b) Population size
c) Life expectancy at birth
d) None of these

Answer:-(b)

33. The infectious solid clinical waste are disposed in bag: -

a) Yellow
b) Black
c) Red
d) Blue

Answer:-(a)

34. The performance of ASHA worker is monitored through:-

a) Number of visits
b) Number of deliveries attended
c) Number of training hours attended
d) Reduction of IMR

Answer:-(d)

35. The multipurpose health worker concept is given by:-

a) Bhore committee
b) Srivastava committee
c) Kartar Singh committee
d) Mudaliar committee

Answer:-(c)

36. Consumer rights for health care system was introduced in India in:-

a) 1996
b) 1983
c) 1978
d) 1986

Answer:-(d)

37. In which data collection method does the researcher directly watch and record behaviours or events:-

a) Surveys
b) Interview
c) Observation
d) Questionnaire

Answer:-(c)

38. The confounding variables which may affect the outcome of study can be controlled with:-

a) Pilot study
b) Screening effect
c) Randomisation
d) Validation

Answer:-(c)

39. Component of minimum needs program includes except:-

a) Adult education
b) Nutrition
c) Rural electrification
d) Health for all

Answer:- (d)

40. The aspects of reliability of a test can be measured using:-

a) Kuder-Richardson Formula
b) T- test
c) ANOVA
d) Chi-Square Test

Answer: (a)

Obstetric & Gynecological Nursing including Nursing Education & Administration

41. Current trends in the midwifery care includes:

a) Family Centered Care
b) Epidural analgesia in labor
c) Team midwifery practice
d) All of the above

Answer: d) All of the above

42. The death of the baby before, during delivery or within the first 7 days of birth is called:

a) Neonatal mortality Rate.
b) Perinatal mortality rate
c) Neonatal morbidity rate
d) Infant morbidity rate

Answer: b) perinatal mortality rate

43. Which of the following is the least vascular part of the uterus:

a) Lateral
b) Middle
c) Upper
d) Lower

Answer : b) Middle

44. Which of the following condition is most likely to cause uterine atony and lead to postpartum haemorrhage:

a) Hypertension
b) Cervical and vaginal tears
c) Urine retention
d) All of the above

Answer: c) Urine retention

45. A psychological disorder where the woman has false but firm belief that she is pregnant although no pregnancy exists:

a) Delusion
b) Psychosis
c) Dementia
d) Pseudocyesis

Answer: d) pseudocyesis

46. CARA means:

a) Central Adoption Resource Facility
b) Central Adoption Rescue Authority
c) Central Administration Responsible for Adoption
d) Carrier Adoption Rescue Authority

Answer: a) Central Adoption Resource Facility

47. Best investigation to diagnose the fetal age is:

a) Serial ultrasound
b) Amniocentesis
c) MSAFP
d) X-Ray

Answer: a) Serial ultrasound

48.Ejection of the milk is:

a) Mammogenesis
b) Lactogenesis
c) Galactokinesis
d) Galactopoiesis

Answer: c) Galactokinesis

49.A woman came to the hospital at 32 weeks gestation with chief complaints of painless, bright red vaginal bleeding, the condition is known as:

a) Placenta previa
b) Abruptio placenta
c) Ectopic pregnancy
d) Abortion

Answer : a) placenta previa

50. The most common complication of pregnancy after complete treatment of genital tuberculosis is:

a) Abortion
b) Ectopic pregnancy
c) malpresentation
d) IUD

Answer: b) Ectopic pregnancy

51. A nurse in a labor room is caring for client in the active phase of labor. The nurse is assessing the fetal patterns and note a late deceleration on a monitor strip. The most appropriate action is to:

a) Place the mother in a supine position.
b) Document the findings and continue to monitor the foetal patterns
c) Administer oxygen via face mask
d) Increase the rate of Pitocin IV infusion.

Answer: c) Administer oxygen via face mask.

52. A primiparous woman is in the taking- In stage of psychological recovery and adjustment following birth. The nurse, recognizing the needs of women during this stage, should:

a) Foster an active role in the baby care.
b) Provide a time for the mother to reflect on the events of and her behaviour during childbirth.
c) Promote maternal independence by encouraging her to meet her own hygienic and comfort needs.
d) All of the above

Answer: .b) Provide a time for the mother to reflect on the events of and her behaviour during childbirth.

53. The international council of nurses (ICN) was established in the year of :

a) 1869
b) 1899
c) 1898
d) 1928

Answer: b) 1899

54. The educational assessment that is generally carried out throughout a course or project is known:

a) Criterion referenced assessment
b) Continuous assessment
c) Formative assessment
d) Summative assessment

Answer: c) Formative assessment

55. Cognitive domain of Bloom's taxonomy includes all except:

a) Analysis
b) Criticism
c) Synthesis
d) Evaluation

Answer: b) Criticism

56.The authority flows from top to bottom is referred as:

a) Span of control
b) Scalar chain
c) Line organisation
d) Lateral organization

Answer: c)Line organisation.

57. In material management the time that elapses between placement of order and delivery of the material is termed as:

a) Waiting time
b) Lead time
c) Execution time
d) Reorder time

Answer: b) Lead time

58. The process to decide whether the functioning of an organization is good or bad is known as:

a) Inspection
b) Audit
c) Quality assurance
d) Inventory

Answer: c)Quality assurance

59. The style of leadership that dominates and command the group is:

a) Autocratic
b) Situational
c) Democratic
d) Laissez -Faire

Answer: a) Autocratic

Child Health Nursing including Nutrition, Biochemistry & Biophysics

61. Immunity transmitted by mother to child is

(a) Natural active immunity
(b) Natural passive immunity
(c) Artificial active immunity
(d) Artificial passive immunity

Ans (b) Natural passive immunity

62. Which of the following agent is used for Glucose tolerance test

(a) 25 gm of anhydrous glucose
(b) 50 gm of anhydrous glucose
(c) 75 gm of anhydrous glucose
(d) 100 gm of anhydrous glucose

Ans c (75 gm of anhydrous glucose)

63. Compression to ventilation ratio in neonatal resuscitation is

(a) 1: 3
(b) 1: 2
(c) 3: 1
(d) 2: 1

Ans c (3:1)

60. All the learning activities which are planned and guided by the school, whether they are carried out in groups or individually, inside and outside the school, known as-

a) Lesson plan
b) Curriculum
c) Demonstration
d) Supervision

Answer: b) Curriculum

64. A child can ride a tricycle by the age of

(a) 2 years
(b) 3 years
(c) 4 years
(d) 5 years

Ans b (3 years)

65. A neonate delivered at home is received in emergency with complaint of coughing, choking with excessive salivation and cyanosis. What could be presumptive diagnosis:

(a) Pyloric stenosis

(b) Tetralogy of Fallot

(c) Trachea esophageal atresia

(d) Respiratory distress

Ans c (Trachea esophageal atresia)

66. A child can copy triangle formation at the age of

(a) 2 years

(b) 3 years

(c) 4 years

(d) 5 years

Ans d (5 years)

67. Apert syndrome is

(a) Premature closure of coronal suture

(b) Premature closure of posterior suture

(c) Premature closure of anterior suture

(d) All of the above

Ans a (Premature closure of coronal suture)

68. Pincer grasp is

(a) Gross motor skill

(b) Fine motor skill

(c) Visual skill

(d) Sensation skill

Ans b (Fine motor skill)

69 . In a child hydrocephalus could be suspected if

(a) Head circumference increase by > 2 cm per month and have sunset eyes

(b) Head circumference increase by > 4 cm per month and have sunset eyes

(c) Head circumference increase by > 6 cm per month and have sunset eyes

(d) none of the above

Ans a (Head circumference increase by > 2 cm per month and have

70. Cystic fibrosis is a

(a) Sex linked disorder

(b) Autosomal dominant disorder

(c) Autosomal recessive disorder

(d) X linked disorder

Ans c (Autosomal recessive disorder)

71. Chvostek sign can be illustrated in

(a) Hyperkalemia

(b) Hypokalemia

(c) Hypocalcemia

(d) Hypercalcemia

Ans c (Hypocalcemia)

72. Silverman Andersen scoring is used to evaluate

(a) Jaundice

(b) Asthma

(c) Respiratory distress

(d) Neonatal sepsis

Ans c

73. Kayser Fleisher ring at limbus of cornea can be seen in case of

(a) Guillain barre syndrome

(b) Wilson's disease

(c) Glaucoma

(d) Cataract

Ans b

74. Which of following is common finding in a child having Hodgkin's disease

(a) Painless, firm, movable adenopathy in cervical area

(b) Anorexia and weight loss

(c) Enlarged inguinal lymph nodes

(d) Fever and malaise

Ans a

75. Cracked pot sound in case of increased intracranial pressure is illustrated is known as

(a) Homan's sign

(b) Macewen's sign

(c) Romberg sign

(d) Scarf sign

Ans b

76. Inborn error of metabolism that results in premature destruction of RBC is known as

(a) Phenylketonuria

(b) Hyperbilirubinemia

(c) G6PD deficiency

(d) Sickle cell anemia

Ans c

77. A fatty acid which is not synthesized in human body and has to be supplied in the diet is:

(a) Stearic acid

(b) Oleic acid

(c) Linoleic acid

(d) Palmitic acid

Ans c

78. According to Holiday Segar formula normal fluid requirement of a child for 24 having weight 25 kg will be

(a) 1600 ml

(b) 1700ml

(c) 1800ml

(d) 2000ml

Ans a

79. During the home visit by child health nurse she observed a child is having Koplik's spot. These spots are observed in

(a) Measles

(b) Mumps

(c) Rubella

(d) Chicken pox

Ans a

80. A post-natal mother complained to the ward nurse that her neonate is always hungry and fussy. She believes her milk is not sufficient. What advice should be given by nurse to mother?

(a) Start with mixed feed so that neonate get sufficient milk

(b) Give formula feed every 2-hourly in day time and at night give breast milk

(c) Start cow's milk feed with the help of bottle

(d) Complete feed from one breast first and then shift to another so that neonate get foremilk as well as hind milk.

Ans d

Mental health Nursing including Psychology & Sociology

81. A female client is admitted with a diagnosis of Delusion of Grandeur. This diagnosis reflects a belief that one is :
    (a) Being killed
    (b) Responsible for evil world
    (c) Connected to client unrelated to oneself
    (d) Highly famous and important

    Answer D

82. Nurse is caring for a male client who experience false sensory perception with no basis in reality. This perception is called as:
    (a) Delusion
    (b) Hallucination
    (c) Loose association
    (d) Neologisms

    Answer B

83. To further assess a client's suicidal potential. Nurse should be essentially alert to the client expression of:
    (a) Helplessness and hopelessness
    (b) Frustration and fear of death
    (c) Anxiety and loneliness
    (d) Anger and resentment

    Answer A

84. Nurse is talking with a male client having substance induced persisting dementia; the client can not remember facts and fills in gaps with imaginary information. Nurse is aware that this is typical of:
    (a) Depersonalization
    (b) Flight of ideas
    (c) Association of looseness
    (d) Confabulation

    Answer D

85. Which of the following food would the psychiatric nurse eliminate from the diet for a client in alcohol withdrawal:

(a) Orange juice

(b) Milk

(c) Soda

(d) Regular coffee

Answer D

86. A nursing care plan for a male client with bipolar 1 disorder should include:

(a) Providing a structured environment

(b) Help the client control the anxiety

(c) Engaging the client in conversing about current affairs

(d) Touching the client provide assurance

Answer A

87. Nurse is caring for a client with depression who has not responded to antidepressant medication . The nurse anticipate that what treatment procedure may be prescribed:

(a) Neuroleptic medication

(b) Electroconvulsive therapy

(c) Psychosurgery

(d) Psychotherapy

Answer B

88. A client with catatonic schizophrenia is mute, cannot perform activities of daily living, and stares out window for hours. What is the nurse's first priority:

(a) Assist the client with showering

(b) Reassure the client about safety

(c) Assist the client with feeding

(d) Encourage socialisation with peers

Answer C

89. A client tells the nurse that the television newscaster is sending secret message to her. The nurse suspects the client is experiencing:

(a) Flight of ideas

(b) Ideas of reference

(c) Phobia

(d) A hallucination

Answer B

90. Drug chlorpromazine is a :

(a) Antidepressant

(b) Antimanic

(c) Antipsychotic

(d) Antianxiety

Answer C

91. Groups of characteristics of Schizophrenia are:

(a) Autistic thinking, visual hallucination delusion and Ambivalence

(b) Periods of hyperactivity and irritability alternating with depression

(c) Delusion of jealousy and persecution, paranoia and mistrust

(d) Sadness, apathy, feeling of worthlessness, anorexia and weight loss

Answer A

92. Replacement of an acceptable need attitude or emotion with more socially acceptable:

(a) Displacement

(b) Sublimation

(c) Substitution

(d) Suppression

Answer B

93. The focus of this therapy is to have a positive environment manipulation , physical and social to effect a positive change:

(a) Psychotherapy

(b) Behaviour therapy

(c) Group therapy

(d) Milieu therapy

Answer D

94. Extra pyramidal symptoms (EPS) are a complication of treatment with following drugs:

(a) Antipsychotics

(b) Antianxiety drugs

(c) Antidepressants

(d) Antimalarial drugs

Answer A

95. The term sociology was coined by:

(a) Gillin and Gillin

(b) Kimball young

(c) Auguste comte

(d) L.F Ward

Answer C

96. What do you mean by social system:

(a) A network of relationship in a systematic way

(b) Do not act in accordance with social norms

(c) Various parts are not related to each other

(d) None of the above

Answer A

97. According to social contract theory nature of society is:

(a) Like rulers

(b) Like artisans

(c) Like an organism

(d) like a warrior

Answer C

98. Who is the father of experimental psychology

(a) G. Jung

(b) Sigmund Freud

(c) Wilhelm Wundt

(d) Nimkoff

Answer C

99. Which of the following is an example of the negative attitude towards people:

(a) Stereotype

(b) Prototype

(c) prejudice

(d) Discrimination

Answer C

100. Which of the following is another term of reinforcement

(a) Reward

(b) Condition

(c) Response

(d) Punishment

Answer A

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