

Haryana Medical Officer

**Previous Year Paper
2022 (SET - A)**



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Time allowed: 1 Hour 30 Minutes Total Questions: 100 Maximum Marks: 100

KINDLY READ THE FOLLOWING INSTRUCTIONS BEFORE ATTEMPTING THIS QUESTION PAPER

- All questions are to be attempted.**
- Each question carries one (01) mark.
- There is no negative marking.**
- At the start of the examination and within first five minutes, the candidates are advised to ensure that all pages of question paper booklet and OMR answer sheet are properly printed, numbered and that the question booklet is not damaged in any manner.
- Before attempting the question paper, kindly check that this booklet has a total of 100 questions.**
- In case of any discrepancy, the candidate should immediately report the matter to the invigilator for replacement of question booklet and OMR Answer sheet. **No claim in this regard will be entertained after five minutes of start of examination.**
- All the candidates must return the question booklet as well as first copy of the OMR based answer-sheet to the invigilator concerned before leaving the Examination Hall.**
- If a candidate fails to handover back the question booklet/answer-sheet to the invigilator, a case of use of indulging in unfair means/misbehaviour will be registered against the candidate in addition to lodging an FIR with the police. The answer sheet of such a candidate will not be evaluated.
- The OMR based Answer Sheet has two copies. The examinee can retain the second copy of the OMR based answer sheet and take that back along with him/her after examination is over.**
- Do not forget to write roll number on the top of this question booklet and the OMR answer sheet.
- Do not tear or fold any page of the question booklet and OMR Answer Sheet.
- Candidates are advised to make sure to fill their name, Roll No. and question booklet serial number on the OMR Answer sheet in a correct manner only on the space provided.**
- Candidates should put his/her signature and thumb impression on required space in the presence of Invigilator in the Examination Hall.
- Candidates are warned not to fold or make any stray marks on the OMR Answer Sheet. Use of Eraser, Nail Blade, White Fluid/Whitener etc. to smudge, scratch or damage the OMR sheet in any manner during Examination is strictly prohibited. The Candidature of candidates indulging in such activities shall be cancelled.
- Candidate's request to change the Examination Centre and seat in the Examination Hall shall not be entertained.
- No candidate shall be allowed to leave the OMR Answer Sheet blank. If any OMR Answer Sheet is found blank, it shall be crossed by the Invigilator with his/her signature and mentioning 'Cancelled' on it.**
- The OMR Answer Sheet will be evaluated through electronic scanning process.
- Incomplete or incorrect entries may render your OMR Answer Sheet invalid.**
- Each question has four alternative answers of which only one is correct. For each question, **darken only one circle**, whichever you think is the correct answer on the OMR Answer Sheet with only Blue/Black Ball Pen provided. **Pencil should not be used for darkening the circle.**
- If more than one circle is found darkened, that answer will not be evaluated.**
- If a candidate does not comply with the instructions as mentioned above or creates any kind of indiscipline, the authorities shall take action as per the applicable rules and in addition can also debar the Candidate from appearing in the Examination, to be held in future and can also file criminal proceedings.

DO NOT OPEN THE SEAL UNTIL INSTRUCTED TO DO SO

CORRECT METHOD OF ATTEMPTING



WRONG METHOD OF ATTEMPTING



WST-MO-2022-SET-1-A

1. Which among the following is the most common site where appendix is found during appendectomy?
 - a. Retro-ileal
 - b. Retro-caecal
 - c. Ectopic
 - d. Anterior to terminal ileum
2. An injury to which of the following nerve leads to 'winging of scapula'?
 - a. Ulnar nerve
 - b. Long thoracic nerve
 - c. Phrenic nerve
 - d. Median nerve
3. Which of the following structure serves as the 'anatomical landmark' for the pudendal nerve block?
 - a. Ischial tuberosity
 - b. Pubic tubercle
 - c. Ischial spine
 - d. Anterior superior iliac spine
4. Which of the following nerve divides the parotid gland surgically into superficial and deep parts?
 - a. Fifth cranial nerve
 - b. Sixth cranial nerve
 - c. Seventh cranial nerve
 - d. Eighth cranial nerve
5. Carbon dioxide retention is rarely a problem in a patient with alveolar fibrosis because:
 - a. Diffusion capacity of lungs for the carbon dioxide is much greater than the diffusion capacity for oxygen.
 - b. Diffusion capacity of lungs for oxygen is much greater than diffusion capacity for carbon dioxide.
 - c. Carbon dioxide passes through all biological membranes with difficulty.
 - d. pCO₂ of venous blood is 46 mm Hg.
6. In a patient of haemorrhagic shock there occurs:
 - a. Vasodilatation of cutaneous blood vessels.
 - b. Vasodilatation of splanchnic circulation.
 - c. Vasodilatation of coronary circulation.
 - d. Vasoconstriction of cerebral circulation.
7. Rapid action of the drug 'albuterol,' which is used in the bronchial asthma, is mediated through:
 - a. Beta adrenergic receptors
 - b. Alpha adrenergic receptors
 - c. Muscarinic receptors
 - d. Nicotinic receptors
8. Narcolepsy is triggered by abnormalities of:
 - a. Skeletal muscle
 - b. Medulla oblongata
 - c. Hypothalamus
 - d. Neocortex
9. Mitochondrial DNA is inherited from:
 - a. Mother
 - b. Father
 - c. Both
 - d. None
10. When a blood sample is collected in a heparinised tube and centrifuged, it will get separated into:
 - a. Serum and clot
 - b. Plasma and clot
 - c. Serum and RBCs
 - d. Plasma, buffy coat and RBCs
11. All of the following hormones are hyperglycaemic, except:
 - a. Insulin
 - b. Thyroxine
 - c. Cortisol
 - d. Growth hormone

WST-MO-2022-SET-1-A

12. A 70 year old diabetic patient presented to the emergency department with signs of dehydration as a result of severe vomiting. The doctor on duty administered to the patient a parenteral medication to treat vomiting, following which the patient developed grimacing and abnormal posture. Which out of the following could have been the inciting drug for this reaction?
- a. Promethazine
b. Hydroxyzine
c. Metoclopramide
d. Domperidone
13. A patient, 50 years of age, presented with chief complaints of throbbing headache with a frequency of more than three attacks per month, with each episode lasting for around 24 hours. Which of the following drug is most suitable for prevention of such attacks?
- a. Phenytoin
b. Valproic acid
c. Ethosuximide
d. Lamotrigine
14. Which of the following antimicrobial agent needs dose reduction in renal failure?
- a. Rifampicin
b. Clindamycin
c. Amphotericin B
d. Doxycycline
15. Which among the following conditions is an acquired cause of hypercoagulable state?
- a. Antithrombin III deficiency
b. Factor V Leiden thrombophilia
c. Heparin induced thrombocytopenia
d. Protein 'C' deficiency
16. Which out of the following is the best test for the assessment of iron status?
- a. Serum transferrin level
b. Serum ferritin level
c. Serum iron concentration
d. Haemoglobin level
17. Which one of the following poisons retards putrefaction?
- a. Lead
b. Copper
c. Arsenic
d. Mercury
18. Fixation of post-mortem hypostasis occurs in _____ after death.
- a. 2 to 3 hours
b. 6 to 12 hours
c. 12 to 18 hours
d. After 24 hours
19. Which out of the following choices is the best specimen of bone for determination of sex of an individual from skeletal remains?
- a. Skull
b. Pelvis
c. Femur
d. Mandible
20. Which among the following does not enter the human body through skin?
- a. Ancylostoma duodenale
b. Strongyloides stercoralis
c. Trichinella spiralis
d. Necator americanus
21. Scalded skin syndrome is mediated by:
- a. Haemolysin
b. Coagulase
c. Enterotoxin
d. Epidermolytic toxin
22. Which of the following condition can occur as a result of fifth cranial nerve palsy?
- a. Ptosis
b. Proptosis
c. Neuropathic keratopathy
d. Lagophthalmos

WST-MO-2022-SET-1-A

23. A two month old child is brought to the ophthalmology OPD with complaints of sticky and watery eyes since birth. Which of the following would be the best intervention for this condition, at this stage?
- Syringing
 - Probing
 - Sac massage
 - Dacryocystorhinostomy
24. Reactionary haemorrhage after tonsillectomy occurs:
- After two weeks of tonsillectomy
 - After 72 hours of tonsillectomy
 - During first 24 hours of tonsillectomy
 - None of the above
25. In which of the following anatomical sites is the fungal ball most commonly encountered?
- Maxillary sinus
 - Ethmoid sinus
 - Sphenoid sinus
 - Frontal sinus
26. All of the following antimicrobials are used in the treatment of Malaria, except:
- Doxycycline
 - Amoxycillin + clavulanic acid
 - Clindamycin
 - Sulfadoxine + Pyrimethamine
27. Which out of the following is the most common valvular abnormality seen in Rheumatic heart disease?
- Mitral stenosis
 - Tricuspid stenosis
 - Aortic stenosis
 - Pulmonary stenosis
28. Which one out of the following is the most common finding in an aphasic patient?
- Alexia
 - Anomia
 - Impaired comprehension
 - Impaired fluency
29. All of the following drugs are used in the management of hepatic encephalopathy, except:
- Lactulose
 - Rifaximin
 - L-ornithine L-aspartate
 - Diazepam
30. A primary tumour of which of the following organs is least likely to metastasise to bones?
- Breast
 - Colon
 - Kidney
 - Lung
31. All of the following clotting factors are formed by the hepatocytes, except:
- Factor II
 - Factor VII
 - Factor VIII
 - Factor IX
32. All of the following are the risk factors for developing chronic obstructive pulmonary disease, except:
- Coal dust exposure
 - Airway hyperresponsiveness
 - Cigarette smoke exposure
 - Recurrent respiratory infections
33. All of the following are RNA viruses, except:
- Human Immunodeficiency virus
 - Herpes Simplex virus
 - Coronaviruses
 - Cytomegalovirus

WST-MO-2022-SET-1-A

34. A 25 year old G2P0A1 presented to the labour room with a history of amenorrhoea of 6 weeks, having bleeding per vagina along with pain abdomen for the last one day. On examination, her pulse rate was 100/min, BP-110/70 mm Hg, abdomen – not tense and slightly tender. On per vaginal examination, cervical os was closed, and a tender mass of size 3 cm x 2 cm could be felt in the right fornix. Which out of the following is the likely diagnosis in this case?
- Abortion
 - Corpus luteal cyst
 - Unruptured ectopic pregnancy
 - Ruptured ectopic pregnancy
35. A 16 year old female presented to the gynaecology outpatient department with chief complaints of not having attained menarche as yet, and experiencing cyclical pain in the lower abdomen for the last one year. On examination, per abdomen supra-pubic bulge was present. Secondary sexual characteristics were normal. On local examination, bluish coloured bulge at hymen was present. Which out of the following could be the most probable diagnosis?
- Pregnancy
 - Cryptomenorrhea
 - Full bladder
 - Congenital adrenal hyperplasia
36. Which condition out of the following is not a contraindication for ventouse delivery?
- Occipito-transverse position
 - Prematurity
 - Face presentation
 - Suspected fetal coagulation disorder
37. Which out of the following is not an early sign of uterine scar rupture?
- Variable deceleration
 - Shock
 - Pain abdomen persisting in between contractions.
 - Bleeding per vaginum.
38. Which out of the following is not a contraindication for TOLAC (trial of labour after caesarean)?
- Previous history of classical caesarean.
 - Placenta praevia
 - Suspected CPD
 - Previous history of one lower segment caesarean section.
39. Which out of the following is an absolute contraindication for usage of intrauterine devices, as per the WHO?
- Current episode of sexually transmitted disease.
 - Nulliparity
 - Past history of pelvic inflammatory disease.
 - Cardiovascular disease.
40. Which out of the following is an absolute indication for caesarean section?
- Previous caesarean delivery
 - Carcinoma cervix
 - Breech presentation
 - Preeclampsia in current pregnancy.
41. Which out of the following is the most suitable contraceptive choice for use by a woman having menorrhagia and dysmenorrhea?
- Levonorgestrel releasing intrauterine system.
 - Progesterone only pills.
 - Copper containing intrauterine devices.
 - Injectable contraceptives.

WST-MO-2022-SET-1-A

42. Pre-hypertension in paediatric population is defined as:
- Blood pressure 90th-95th percentile for age, height and gender.
 - Blood pressure 85th-95th percentile for age, height and gender.
 - Systolic blood pressure 85th-90th percentile for age, height and gender.
 - Diastolic blood pressure 85th-90th percentile for age, height and gender.
43. 'Exanthema subitum' is caused by:
- Rubella virus
 - Parvovirus
 - HHV-6
 - Parainfluenza virus
44. Which out of the following is the treatment of choice for severe croup (laryngotracheobronchitis):
- Dexamethasone I/V
 - Non-invasive ventilation
 - Dexamethasone I/M & epinephrine I/M
 - Dexamethasone I/M & nebulized epinephrine.
45. Which out of the following is the antiepileptic drug of choice for treatment of neonatal seizures?
- Phenytoin
 - Phenobarbital
 - Midazolam
 - Valproate
46. Which one out of the following is an incorrect statement about 'thumb sucking'?
- Can lead to malocclusion
 - Is a source of great pleasure
 - Is a sign of insecurity
 - Must be treated vigorously in first year
47. Which out of the following is the earliest sign of rickets?
- Rachitic rosary
 - Craniotabes
 - Bow legs
 - Harrison's groove
48. Extremely low birth weight baby is a baby weighing:
- Less than 1500 grams.
 - Less than 2000 grams.
 - Less than 1000 grams.
 - Less than 1250 grams.
49. All of the following vitamins are in adequate quantity in the breast milk, except:
- Vitamin E
 - Vitamin K
 - Vitamin A
 - Vitamin C
50. Primary dentition is complete by the age of:
- Six months
 - One year
 - Two and a half years
 - Four and a half years
51. A 27 year old patient was diagnosed to be having borderline leprosy and was started on MB-MDT. Six weeks later, the patient developed pain in the nerves and redness and swelling of the skin lesions. All of the following should be included in the management of this patient, except:
- Stopping of the leprosy treatment
 - Systemic corticosteroids
 - Rest to the affected limbs
 - Analgesics
52. Which out of the following would be the drug of choice in a woman with second trimester pregnancy, presenting with pustular psoriasis?
- Prednisolone
 - Dapsone
 - Acitretin
 - Methotrexate

WST-MO-2022-SET-1-A

53. A male patient presents with patchy loss of hair on scalp, eyebrows and beard. He also gives a history of rapid graying of hair in few areas. Which out of the following conditions could be the probable diagnosis?
- Alopecia areata
 - Anagen effluvium
 - Telogen effluvium
 - Androgenetic alopecia
54. All of the following are the markers of bone resorption, except:
- Urine hydroxyproline
 - Urine deoxypridinoline
 - Serum TRAP levels
 - Serum osteocalcin
55. All of the following are true about the 'cauda equina' syndrome, except:
- Symmetrical paralysis
 - Lower motor neuron type lesion
 - Areflexia
 - Bowel bladder involvement
56. In which of the following conditions is the 'three point bony relationship' maintained?
- Elbow dislocation
 - Fracture medial condyle of humerus
 - Fracture lateral condyle of humerus
 - Supracondylar fracture of humerus
57. Hotchkiss terrible triad of elbow does not include:
- Elbow dislocation
 - Fracture olecranon
 - Fracture radial head
 - Fracture coronoid
58. Boxer's fracture is:
- Extraarticular fracture of the first metacarpal base.
 - Intraarticular fracture of the first metacarpal base.
 - Fracture of the fifth metacarpal neck.
 - Fracture of the second metacarpal base.
59. Multiple cannon ball lesions if present in chest X-ray is suggestive of which of the following conditions?
- Metastases
 - Tuberculosis
 - Actinomycosis
 - Pneumoconiosis
60. On chest X-ray, effacement of right heart border is a sign of:
- Collapse of upper lobe of lung
 - Collapse of middle lobe of lung
 - Collapse of lower lobe of lung
 - All of the above
61. 'Swirl sign' is / in:
- Hypodense area within hyperdense acute haematoma.
 - Old calcified haematoma.
 - Blood in sylvian fissure.
 - Re-haemorrhage within an organized haematoma.
62. 'Snowstorm appearance' on ultrasound is seen in:
- Ectopic pregnancy
 - Hydatidiform mole
 - Fibroid uterus
 - Abortion
63. Which of the following is the investigation of choice for detection of gall stones?
- X-ray abdomen
 - Ultrasonography abdomen
 - Computerised tomography scan (CT scan) abdomen
 - Magnetic Resonance Cholangiopancreatography (MRCP).

WST-MO-2022-SET-1-A

64. Among the undermentioned contrast media, which one is the most appropriate for detecting a suspected leak in the gastrointestinal tract?
- Thin barium
 - Thick barium
 - Ionic water soluble
 - Non-ionic water soluble
65. What would be the type of study design, if during the study period, data related to association between low birth weight and maternal smoking is studied by obtaining history of smoking by the women at the time of their antenatal visits, and then subsequently a correlation between birth weight and history of smoking is drawn?
- Case control study
 - Cohort study
 - Randomised controlled trial
 - Cross-sectional study
66. To which of the under-mentioned parameters does the 'Goal'-6 of the Sustainable Development Goals, pertain to?
- Health
 - Education
 - Gender equality and women empowerment.
 - Clean water and sanitation.
67. As per the national guidelines for the treatment of malaria, which of the undermentioned drugs, is the drug of choice in the management of malaria due to Plasmodium falciparum, in a female, who is in her first trimester of pregnancy?
- Artesunate + pyrimethamine-sulfadoxine combination therapy.
 - Chloroquine
 - Quinine
 - Artemether + lumefantrine combination therapy.
68. Which of the under-mentioned choices denotes the amount of calories and proteins respectively, that should be provided to a severely malnourished 5 year old child under the ICDS scheme in India?
- 500 Kcal, 12-15 g
 - 600 Kcal, 18-20 g
 - 800 Kcal, 20-25 g
 - 1000 Kcal, 20-25 g
69. The definition of extensively drug resistant tuberculosis (XDR-TB) includes:
- MDR cases with resistance to any fluoroquinolone.
 - MDR/RR-TB cases with resistance to any fluoroquinolone, and at least one additional group A drug.
 - Resistance to isoniazid and rifampicin, with or without resistance to other first line anti-TB drugs.
 - Resistance to more than one first line anti-TB drug, other than both Isoniazid and Rifampicin.
70. 'World Breast Feeding Week' is celebrated in:
- 1st week of March
 - 1st week of July
 - 1st week of August
 - 1st week of December
71. Which of the following statements is true about the 'National Deworming Day'?
- It is observed every month.
 - Children within the age group of 1 to 19 years are covered in it.
 - Diethyl carbamazine is the drug that is administered in this programme.
 - It is an initiative undertaken by the Ministry of Education.

WST-MO-2022-SET-1-A

72. 'Leprosy eradication' means:
- Less than one case per 1000 population.
 - Less than one case per 10,000 population.
 - 1-5 cases per 10,000 population.
 - 5-10 cases per 10,000 population.
73. Which of the under-mentioned statements is correct regarding 'Mission Indra Dhanush'?
- It is programme regarding providing safe environment.
 - It is a programme regarding care of pregnant women.
 - It is an activity to boost immunisation of children and unimmunised pregnant women.
 - It is an activity to boost good rainfall for bumper crops.
74. Each year, the 'World Health Day' is celebrated on:
- 30th January
 - 7th April
 - 11th July
 - 1st December
75. A 2 year old unvaccinated child presents with fever, cough, sneezing along with dusky red maculopapular rash, which had started behind the ears and had spread rapidly to the face, neck and body. His most probable diagnosis is:
- Small pox
 - Chicken pox
 - Measles
 - Whooping cough
76. Under the ambit of the 'National Vector Borne Disease Control Programme (NVBDCP),' which of the following disease is not covered?
- Filariasis
 - Japanese encephalitis
 - Chikungunya
 - Cutaneous Leishmaniasis
77. Which of the following diseases was not covered under 'Vision 2020' programme in India?
- Glaucoma
 - Diabetic retinopathy
 - Corneal blindness
 - Onchocerciasis
78. The 'UJJAWALA scheme' started by Ministry of Women & Child Development is for:
- Providing LPG connection to families below poverty line.
 - Improving the quality of the labour rooms.
 - Preventing trafficking of women and children.
 - Providing home based newborn care by ASHA.
79. The 'LaQshya Program' launched by the Government of India refers to:
- Initiative for control of vector borne diseases.
 - Initiative for providing vaccination to under 5 children.
 - Initiative to improve quality of care in labour rooms at public health facilities.
 - Initiative to provide affordable health care.
80. The aim of the 'Mid-day meal' programme is to supplement:
- Half of the protein and one-third of the daily calorie requirement.
 - One-third of the protein and one-third of the daily calorie requirement.
 - Half of the protein and half of the daily calorie requirement.
 - One-third of the protein and half of the daily calorie requirement.

WST-MO-2022-SET-1-A

92. What out of the following is present in the airbag that is used for the safety of the car driver?
- a. Sodium bicarbonate
b. Sodium azide
c. Sodium nitrite
d. Sodium peroxide
93. Which of the following scientist had a major contribution in the field of science, and who also had developed a primitive microscope and coined the term 'cell'?
- a. Robert Koch
b. Antony van Leeuwenhoek
c. Robert Boyle
d. Robert Hooke
94. The 'blue baby pollution disease' is due to the excessive presence of which of the following in the drinking water?
- a. Fluoride
b. Chloride
c. Nitrate
d. Arsenic
95. The 'Kyoto Protocol' is an international treaty that commits the State parties to reduction in:
- a. Poverty
b. Greenhouse gases emission
c. Nuclear armaments
d. Agricultural subsidy
96. Which of the following is not a discipline that is under the domain of Ministry of AYUSH?
- a. Ayurveda
b. Allopathy
c. Unani
d. Siddha
97. Which of the following Indian scientist had the distinction of receiving not only the Nobel Prize but also the Bharat Ratna?
- a. Dr. Vikram Sarabhai
b. Dr. J. C. Bose
c. Dr. C. V. Raman
d. Dr. Homi Jehangir Bhabha
98. 'Constitution Day of India' is celebrated every year on:
- a. 26th October
b. 26th November
c. 26th January
d. 15th August
99. The book 'Long Walk to Freedom' is written by:
- a. Mahatma Gandhi
b. Nelson Mandela
c. Martin Luther King
d. John F. Kennedy
100. Who among the following is a famous 'Santoor player'?
- a. Shiv Kumar Sharma
b. Hari Prasad Chaurasia
c. Ravi Shankar
d. Zakir Hussain

REVISED ANSWER KEY FOR WRITTEN EXAMINATION CONDUCTED BY PT. B.D. SHARMA UNIVERSITY OF HEALTH SCIENCES, ROHTAK, FOR RECRUITMENT OF MEDICAL OFFICERS FOR HEALTH DEPARTMENT, GOVERNMENT OF HARYANA.
(HELD ON 10.04.2022 BETWEEN 12.30 PM TO 02.00 PM)

SET-A

1	B	26	B	51	A	76	D
2	B	27	A	52	A	77	D
3	C	28	B	53	A	78	C
4	C	29	D	54	D	79	C
5	A	30	B	55	A	80	A
6	C	31	C	56	D	81	B
7	A	32	D	57	B	82	D
8	C	33	Question Invalid*	58	C	83	C
9	A	34	C	59	A	84	C
10	D	35	B	60	B	85	B
11	A	36	A	61	A	86	B
12	C	37	B	62	B	87	A
13	B	38	D	63	B	88	A
14	C	39	A	64	D	89	B
15	C	40	B	65	B	90	B
16	B	41	A	66	D	91	C
17	C	42	A	67	C	92	B
18	B	43	C	68	C	93	D
19	B	44	D	69	B	94	C
20	C	45	B	70	C	95	B
21	D	46	D	71	B	96	B
22	C	47	B	72	B	97	C
23	C	48	C	73	C	98	B
24	C	49	B	74	B	99	B
25	A	50	C	75	C	100	A

* A credit of one mark for the invalid question shall be awarded to all the candidates.