

Test Booklet
Series

A

Written Test Paper, 2022

Paper No.

12

**RESIDENT MEDICAL
OFFICER**

Test Booklet No.

Name of Applicant Answer Sheet No.

Application No. : SVSU/2020/Estt/NT/ Signature of Applicant :

Date of Examination: **28 / 01 / 2022**

Signature of the Invigilator(s)

1.

Time of Examination :

2.

Duration : 2 Hours]

[Maximum Marks : 100

IMPORTANT INSTRUCTIONS

- (i) The question paper is in the form of Test-Booklet containing **100 (Hundred)** questions. All questions are compulsory. Each question carries four answers marked (A), (B), (C) and (D), out of which only one is correct.
- (ii) On receipt of the Test-Booklet (Question Paper), the candidate should immediately check it and ensure that it contains all the pages, i.e., **100** questions (70 in Part-A + 30 in Part-B). Discrepancy, if any, should be reported by the candidate to the invigilator immediately after receiving the Test-Booklet.
- (iii) A separate Answer-Sheet is provided with the Test-Booklet/Question Paper. On this sheet there are **100** rows (70 in Part-A + 30 in Part-B) containing four circles each. One row pertains to one question.
- (iv) The candidate should write his/her Application number at the places provided on the cover page of the Test-Booklet/Question Paper and on the Answer-Sheet and **NOWHERE ELSE**.
- (v) No second Test-Booklet/Question Paper and Answer-Sheet will be given to a candidate. The candidates are advised to be careful in handling it and writing the answer on the Answer-Sheet.
- (vi) For every correct answer of the question **One (1) mark will be awarded**. For every unattempted question, Zero (0) mark shall be awarded. **There is no Negative Marking**.
- (vii) Marking shall be done only on the basis of answers responded on the Answer-Sheet.
- (viii) To mark the answer on the Answer-Sheet, candidate should **darken** the appropriate circle in the row of each question with Blue or Black pen.
- (ix) For each question only **one** circle should be **darkened** as a mark of the answer adopted by the candidate. If more than one circle for the question are found darkened or with one black circle any other circle carries any mark, the question will be treated as cancelled.
- (x) The candidates should not remove any paper from the Test-Booklet/Question Paper. Attempting to remove any paper shall be liable to be punished for use of unfair means.
- (xi) Rough work may be done on the blank space provided in the Test-Booklet/Question Paper only.
- (xii) *Mobile phones (even in Switch-off mode) and such other communication/programmable devices are not allowed inside the examination hall.*
- (xiii) No candidate shall be permitted to leave the examination hall before the expiry of the time.

DO NOT OPEN THIS QUESTION BOOKLET UNTIL ASKED TO DO SO.

[P.T.O.

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PART-A

1. Epstein Barr Virus is causative agent of the disease
 - (A) Carbuncles
 - (B) Mononucleosis
 - (C) Monocytosis
 - (D) Phagocytosis
2. When India was declared free from Dracunculiasis by WHO?
 - (A) In 1947
 - (B) In 1971
 - (C) In 2000
 - (D) In 2020
3. EBOLA Virus infection, excreta, cadavers, spills of blood and body fluid are disinfected by chlorine solution of strength -
 - (A) 0.05%
 - (B) 0.10%
 - (C) 0.25%
 - (D) 0.50%
4. Group of diseases is an example of direct contact mode of transmission
 - (A) Mononucleosis, Syphilis, maningococcal
 - (B) Pertussis, Syphilis, maningococcal
 - (C) Mononucleosis, Syphilis, scabies
 - (D) None of the above
5. An epidemiologist -
 - (A) Counts the cases or health events and describes them in terms of time, place and person
 - (B) Divides the number of cases by an appropriate denominator to calculate rates.
 - (C) Compares various rates over time or different groups of people
 - (D) All of the above
6. Which state had been highly affected with Dracunculiasis ?
 - (A) Rajasthan and Andhra Pradesh
 - (B) Rajasthan and Gujarat
 - (C) Rajasthan and Maharashtra
 - (D) Rajasthan and Madhya Pradesh
7. The surveillance definition "Public health surveillance is the continuous, systematic collection, analysis and interpretation of health related data needed for the planning, implementation and evaluation of public health practice" was described by -
 - (A) WHO
 - (B) USCDC
 - (C) NCDC Delhi
 - (D) All of these

8. How many case definitions of diseases for 'P' Form under IHIP (IDSP) have been included ?
- (A) 15
(B) 20
(C) 25
(D) 32
9. When last human case of plague in India was reported ?
- (A) In 1966 from Karnataka
(B) In 1983 from Himachal Pradesh
(C) In 1994 from Surat (Gujarat)
(D) None of these
10. In which decade highest mortality due to Plague in India was reported ?
- (A) In 1909-1918
(B) In 1939-1948
(C) In 1919-1928
(D) None of these
11. Intraosseous skeletal tumor is best detected by -
- (A) Bone scan only
(B) X-ray only
(C) MRI
(D) None of these
12. X-ray appearance of sequestrum is-
- (A) Osteopanic fragment
(B) Unnatural radiodense fragments
(C) Fragments with honey comb loculated appearance
(D) Radiolucent area with speckled calcification
13. Multifocal non-operative osteomyelitis is seen in -
- (A) SAPHO syndrome
(B) Salmonella
(C) Thalassemia
(D) Infantile Cortical Hypersstosis
14. A 22 years male presents pain with deformity in right lower limb. He sustained trauma in the same limb two years back. The X-ray of this patient is suggestive of -
- (A) Osteogenic sarcoma
(B) Twings sarcoma
(C) Stress fracture
(D) Chronic Osteomyelitis
15. Tinel's sign is used -
- (A) To assess the severity of damage of the nerve
(B) To assess the regeneration of the nerve
(C) To classify the type of the nerve injury
(D) To locate the site of the nerve injury

16. Following the nerve injury, the injured nerve regenerates at the rate of -
- (A) 1.0 mm per day
 - (B) 0.10 mm per day
 - (C) 0.01 mm/day
 - (D) 0.001 mm per day
17. Which of the following is not true about Klumpek's paralysis ?
- (A) Involves lower trunk of brachial plexus
 - (B) Intrinsic muscles of hand are paralysed
 - (C) Claw hand is one of the feature
 - (D) Horner's Syndrome can never be associated
18. Erb-Duchenne's palsy involves injury to -
- (A) C5 & C6 roots
 - (B) C6 & C7 roots
 - (C) C7 & C8 roots
 - (D) C8 & T roots
19. L4L5 disc prolapse compresses commonly-
- (A) L3
 - (B) L4
 - (C) L5
 - (D) S1
20. A patient is damaged with disc prolapse. Examinations reveal paralysis of extensor Hallucis longus, then which nerve root should be affected?
- (A) L5
 - (B) L4
 - (C) L3
 - (D) None of these
21. Vitamin K supplements for cholestosis is -
- (A) 2.5 mg IV
 - (B) 2.5 mg IM
 - (C) 2.5 mg SC
 - (D) None of these
22. Period of growth of ovum is -
- (A) 0 to one week
 - (B) 0 to two weeks
 - (C) 0 to three weeks
 - (D) 0 to four weeks
23. Key gross motor development mile stone in six months embryo is -
- (A) Roll over
 - (B) Creeps well
 - (C) Sitting without support
 - (D) Sits in tripod fashion

24. Key fine motor development mile stone in four months embryo is -
(A) Bidextrous reach
(B) Unidextrous reach
(C) Pincer grasp mature
(D) None of these
25. Malignant melanoma size in diameter is -
(A) >5 mm
(B) 5 mm
(C) <5mm
(D) None of these
26. Pes cavus sign is seen in -
(A) Upper limb
(B) Lower limb
(C) Wrist
(D) Foot
27. Which drug is used to treat Parkinsonism ?
(A) Atropine
(B) KCl
(C) Magnesium Sulphate
(D) Calcium gluconate
28. Ray fungus is caused by?
(A) HIV virus
(B) Actinomyces
(C) Toenail fungus
(D) Staph
29. Trypsin present in stool examination.
(A) 20-90 Unit/gm
(B) 20-70 Unit/gm
(C) 20-50 Unit/gm
(D) 20-40 Unit/gm
30. Stierlin sign is used for
(A) Barium study of colon
(B) Barium study of rectum
(C) Barium study of stomach
(D) None of these
31. Flail Chest represents the fracture of -
(A) Diaphragm
(B) One rib only
(C) Two ribs only
(D) Two or more consecutive ribs
32. Most common site for pressure sore is -
(A) Heel
(B) Sacrum
(C) Ischium
(D) Occiput
33. Most common site for Keloid is -
(A) Abdomen
(B) Upper limb
(C) Chest wall
(D) Lower limb

34. Problem with compartment syndrome is symptom of -
- (A) Heart Failure
 - (B) Renal failure
 - (C) Cushing syndrome
 - (D) None of these
35. Gravitational ulcer is also known as -
- (A) Carcinomatous ulcer
 - (B) Meleney's ulcer
 - (C) Trophic ulcer
 - (D) Venous ulcer
36. Indication for hydronephrosis is -
- (A) Spider leg appearance
 - (B) Cobra head appearance
 - (C) Flower vase appearance
 - (D) Clubbing of calyces
37. Grid iron incision is given as -
- (A) Muscles are cut upwards and laterally
 - (B) Centering at Mc Burney's Point
 - (C) Incision is placed to the right Spinoumblical line at Mc Burney's Point
 - (D) None of the above
38. Kohler's disease is due to osteonecrosis of -
- (A) Humerus capitulum
 - (B) Calcaneum
 - (C) Tarsal bone
 - (D) None of these
39. Tube cast is applied in the fracture of bones of -
- (A) Shoulder
 - (B) Knee
 - (C) Ankle
 - (D) Elbow
40. Lisfranc fracture dislocation is involved in bone -
- (A) Tarso-metatarsal
 - (B) Lunate
 - (C) Scaphoid
 - (D) Capitates
41. Universal Immunization Programme (UIP) was started in -
- (A) 1947
 - (B) 1978
 - (C) 1985
 - (D) 1995

42. Which of the following committee is also known as health survey and development committee -
- (A) Mukherji committee
 - (B) Srivastava committee
 - (C) Mudalier committee
 - (D) Bhore committee
43. Water's view is used to obtain diagnostic information about -
- (A) Maxillary sinus
 - (B) Frontal sinus
 - (C) Ethmoidal sinus
 - (D) Sphenoid sinus
44. Caldwell's view is used to show more clearly -
- (A) Maxillary sinus
 - (B) Frontal sinus
 - (C) Ethmoidal sinus
 - (D) All of these
45. Politzer maneuver is used to reopen -
- (A) Oesophagus
 - (B) Larynx
 - (C) Nasal cavity
 - (D) Eustachian tube
46. The nerve damaged in the Frey's syndrome is -
- (A) Auriculo-temporal nerve
 - (B) Fascial nerve
 - (C) Trigeminal nerve
 - (D) Mandibular nerve
47. Characteristic of fungal infection in the eye is -
- (A) Satellite lesions
 - (B) Ring abscesses
 - (C) Feathery ulcer
 - (D) Dendritic ulcer
48. Who & when uveoscleral outflow was found as legitimate pathway ?
- (A) Jacques Linsfranc in 1960
 - (B) Johnson in 1985
 - (C) Ander Bill in 1960
 - (D) None of these
49. Credit of First International Health Agency is to -
- (A) Pan American Sanitary Organization (PASO)
 - (B) Pan American Health Organization (PAHO)
 - (C) Pan American Sanitary Bureau (PASB)
 - (D) None of the above

50. The number of member countries of WHO SEARO is -
(A) 10
(B) 11
(C) 12
(D) 15
51. The Community Health Centers (CHCs) are established & function on-population of -
(A) 0.80 to 1.20 lac
(B) 1.0 to 1.50 lac
(C) 1.20 to 1.80 lac
(D) 0.20 to 0.30 lac
52. 'World Health Day' is celebrated every year on 7th April on account of -
(A) The constitution of UNICEF came into force on this day in 1946.
(B) The constitution of WHO came into force on this day in 1948.
(C) UNICEF & WHO were provided with a common character on primary health care.
(D) The constitution of Red cross came into force on this day in 1948.
53. The live attenuated Japanese encephalitis vaccine SA 14-14-2 is administered to the beneficiaries -
(A) Orally
(B) Intra Muscular (IM)
(C) Intravenous (IV)
(D) Subcutaneous
54. The dose of Diethyl carbamazine (DEC) recommended for treatment of filariasis in the national programme is -
(A) 5 mg/Kg body weight for 10 days.
(B) 6 mg/Kg body weight for 12 days.
(C) 6 mg/Kg body weight for 14 days.
(D) 5 mg/Kg body weight for 21 days.
55. Each health sub center (HSC) should be deployed with- 'administered to the beneficiaries' -
(A) One ANM or Multipurpose Worker (female)
(B) Two ANM or Multipurpose Worker (female) only
(C) One Multipurpose Worker (male)
(D) One ANM or Multipurpose Worker (female) & One Multipurpose Worker (male)
56. The Global Hunger Index (GHI) is-
(A) Proportion of undernourished population
(B) Children <5 years of age are underweight
(C) Mortality among children <5 years of age
(D) the average of all of the mentioned indicators

57. The prospective cohort study is one, in which -
- (A) The outcome or the disease has not occurred
 - (B) The outcome or the disease has occurred
 - (C) Both of the above
 - (D) None of the above
58. The school children should have minimum feeding days according to the prescribed model menu for mid day meal in order to achieve the desired nutritional impact on the children -
- (A) 100 days
 - (B) 150 days
 - (C) 250 days
 - (D) 200 days
59. The minimum contact period required to free residual chlorine to kill bacteria & viruses and disinfect the water is -
- (A) 15 minutes
 - (B) 30 minutes
 - (C) 45 minutes
 - (D) 60 minutes
60. Which of the following is not applicable to corneal epithelium -
- (A) lined by stratified squamous epithelium
 - (B) apical cells have microvilli
 - (C) mitosis is limited to the limbs
 - (D) Bowman's membrane regenerates
61. After total thyroidectomy under CA, anesthetist tried to extubate the patient but he was unable to extubate. The reason not to extubate was -
- (A) Unilateral recurrent laryngeal nerve damage
 - (B) Sub-laryngeal nerve damage
 - (C) Bilateral recurrent laryngeal nerve damage
 - (D) Excessive haemorrhage
62. Which of the statement is not applicable for the management of pheochromocytoma ?
- (A) Propranolol is the initial drug to be started
 - (B) Surgery is the treatment of choice.
 - (C) VMA catecholamines are the diagnostic tests
 - (D) None of these
63. Which is a primary group -
- (A) Family
 - (B) Labourers
 - (C) Students
 - (D) Social workers
64. Which of the following responsible for growth of the cities -
- (A) Natural calamities
 - (B) Industrialization
 - (C) Housing facilities
 - (D) All of these

65. Man is social animal, was said by -
(A) Spencer
(B) Cristopher
(C) Aristotle
(D) Pluto
66. According to Erikson's eight stages of development, initiative vs. guilt takes place at
(A) 3-5 years
(B) 10-15 years
(C) 13-19 years
(D) 20-25 years
67. The highest level of need in Maslow's hierarchy is -
(A) Safety
(B) Self-actualization
(C) Self exteem
(D) Physiological
68. World Malaria Day is observed every year on -
(A) 25th August
(B) 25th April
(C) 25th June
(D) 25th July
69. Which of the the following is a branch of Psychology -
(A) Developmental Psychology
(B) Clinical Psychology
(C) Abnormal Psychology
(D) All of these
70. Which of the following is not involved in chest physiotherapy -
(A) Nebulization
(B) Coughing
(C) Percussion
(D) Vibration

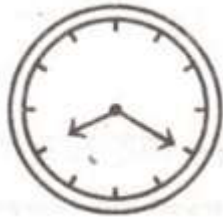
PART-B

(Question 71-74). Fill in the blank with most appropriate word out of the choices given.

71. The work is _____ much for anyone to do single handed.
(A) so
(B) very
(C) too
(D) a lot
72. Politics _____ with him, the business of his life.
(A) were
(B) was
(C) are
(D) have been
73. _____ a child in the way he should go; and when he is old he will not depart from it.
(A) Train up
(B) Train
(C) Teach
(D) Educate upon
74. There is no cure _____ common cold.
(A) For
(B) To
(C) Of
(D) In
75. The antonym of the word 'Cheerful' is-
(A) winsome
(B) exultant
(C) morbid
(D) livid
76. The synonym of the word 'Dole' is-
(A) Amass
(B) Dispute
(C) Allocate
(D) Forfeit
77. Which is the most correct Hindi translation of the given sentence?
"The corrected copy is put up for signature"
(A) बदली हुई प्रति हस्ताक्षर के लिए पेश है।
(B) शोधित प्रति हस्ताक्षर के लिए प्रस्तुत है।
(C) जाँची हुई प्रति हस्ताक्षर के लिए प्रस्तुत है।
(D) संशोधित प्रति हस्ताक्षर के लिए प्रस्तुत है।
78. The idiom 'Once over' means-
(A) To do something quickly
(B) To do something elaborately
(C) To do something perforce
(D) To do something for others

79. Arrange the four parts to form a meaningful sentence.
like mine even to some with tin ear
P Q R
the singing sounded melodious
S
- (A) PQRS
(B) RQPS
(C) SPQR
(D) SQPR
80. A works twice as fast as B. If B can complete the work in 12 days independently, then the number of days in which A and B can together finish the work is-
- (A) 4 days
(B) 6 days
(C) 8 days
(D) 18 days
81. Approximately in how many years, the money invested at 6% per annum will become three times of original value, if the compounding is annual?
- (A) 12 years
(B) 18 years
(C) 15 years
(D) 19 years
82. How many times, are the hands of a clock in a straight line during a day?
- (A) 22
(B) 24
(C) 44
(D) 48
83. In an examination, 80% of the students passed in English, 85% in mathematics and 75% in both the subjects. If 40 students failed in both the subjects, find the total number of students appeared.
- (A) 400
(B) 320
(C) 330
(D) 2000
84. A shopkeeper earns a profit of 12%, on selling the book at 10% discount on printed price. The ratio of the cost price and printed price of the book is-
- (A) 45 : 56
(B) 50 : 61
(C) 55 : 69
(D) 99 : 125
85. A shopkeeper sells 25 articles @ rupees 45 after giving 10% discount and earns 50% profit. If the discount is not given the profit gained is-
- (A) 60%
(B) 60.67%
(C) 66%
(D) 66.67%

86. The time in an analog clock, as shown in picture was 8:20. A naughty kid moved the time ahead by 2 hours and 35 minutes. Then he rotated the clock at an angle of 90 degree clockwise. What is the time in the clock now?



- (A) 10:45
 (B) 4:25
 (C) 1:10
 (D) 7:40
87. If '+' means '-' and '-' means '×', '×' means '÷' and '÷' means '+', then

$$15 \times 3 \div 15 + 5 - 2 = ?$$

- (A) 0
 (B) 10
 (C) 20
 (D) 6
88. Find the wrong number in the series
 5, 18, 34, 54, 79, 110, 158

- (A) 34
 (B) 5
 (C) 18
 (D) 158

89. Who is the first Indian woman to win two medals in Paralympics Games?

- (A) Avani Lekhara
 (B) Ekta Byan
 (C) Bhuvina Patel
 (D) Kashish Lakra

90. As of January 2022, what is the rate of interest applicable for Sukanya Samridhi Yojana?

- (A) 7.1%
 (B) 7.5%
 (C) 7.6%
 (D) 7.4%

91. After retirement a judge can undertake private practice of law-

- (A) In the same court
 (B) only in Lower court
 (C) Wherever he or she wishes
 (D) Another court of same level or Higher Court

92. Indian Constitution is regarded as-

- (A) Federal
 (B) Parliamentary
 (C) Unitary
 (D) Federal in form and unitary in Spirit

93. Who among the following have never been Chief Minister of Haryana?
- (A) Bhagwat Dayal Sharma
(B) Banarsi Das Gupta
(C) Bansi Lal
(D) Kaptan Singh Solanki
94. Which of the following is an extra constitutional body?
- (A) Language Commission
(B) Election Commission
(C) Planning Commission
(D) Finance commission
95. Haryana Shares borders with-
- (A) Four states
(B) Three State and one union territory
(C) Four states and one union territories
(D) Three states and two Union territories
96. Which one of the following is not a writ?
- (A) Habeas Corpus
(B) Mandamus
(C) Certiorari
(D) Severability
97. Which one of the following countries has the maximum time difference from Greenwich Mean Time?
- (A) India
(B) Nepal
(C) Bhutan
(D) Sri Lanka
98. If in '634537672', 1 is added to all even numbers and 1 is subtracted from all odd numbers, what is sum of the digits, fifth from the left and forth from the right end?
- (A) 8
(B) 11
(C) 10
(D) None of these
99. The idiom 'To level with' means
- (A) To be honest
(B) To be on a plane
(C) To cheat someone
(D) To take revenge
100. S&P Global Ratings has retained the Gross Domestic Product (GDP) growth forecast of India unchanged at 9.5 percent for the financial year 2021- 22 (FY22). What is it for the year ending FY23?
- (A) 5.7 percent
(B) 7.8 percent
(C) 9.7 percent
(D) 9.5 percent

ROUGH WORK

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Sr. no.	Answer	Sr. no.	Answer	Sr. no.	Answer	Sr. no.	Answer
1	B	26	D	51	A	76	C
2	C	27	A	52	B	77	B
3	D	28	B	53	D	78	A
4	C	29	A	54	B	79	C
5	D	30	A	55	D	80	A
6	D	31	D	56	D	81	D
7	A	32	C	57	A	82	C
8	D	33	C	58	C	83	A
9	B	34	B	59	D	84	A
10	A	35	D	60	D	85	D
11	C	36	D	61	C	86	C
12	B	37	C	62	A	87	B
13	A	38	C	63	A	88	D
14	D	39	B	64	B	89	A
15	D	40	A	65	C	90	C
16	A	41	C	66	A	91	B
17	D	42	D	67	B	92	D
18	A	43	A	68	B	93	D
19	C	44	B	69	D	94	C
20	A	45	D	70	A	95	B
21	B	46	A	71	C	96	D
22	B	47	A	72	B	97	C
23	D	48	C	73	A	98	A
24	A	49	C	74	A	99	A
25	A	50	B	75	D	100	B