

VERSION CODE
D

Maximum Marks : 100
Total Duration : 120 Minutes
Maximum Time for Answering : 90 Minutes
Subject : M.P.T.

Serial
Number: 201052

MENTION YOUR PGET NUMBER

A A 2 2 0

Subject
Code

P-MPT

DOs:

1. This question booklet is issued to you by the invigilator **after 10.25 am**.
2. Check whether the PGET Number has been entered and shaded in the respective circles on the OMR answer sheet.
3. The version code and serial number of this question booklet should be entered on the OMR answer sheet and the respective circles should also be shaded completely.
4. The Version Code and Serial Number of this question booklet should be entered on the Nominal Roll without any mistakes.
5. Compulsorily sign at the bottom portion of the OMR answer sheet in the space provided.

DON'Ts:

1. **The timing and marks printed on the OMR answer sheet should not be damaged / mutilated / spoiled.**
2. **The 3rd Bell rings at 10.30 a.m., till then**
 - Do not remove the seal present on the right hand side of this question booklet.
 - Do not look inside this question booklet or start answering on the OMR answer sheet.

IMPORTANT INSTRUCTIONS TO CANDIDATES

1. In case of usage of signs and symbols in the questions, the regular textbook connotation should be considered unless stated otherwise.
2. This question booklet contains 100 (items) questions and each question will have one statement and four answers. (Four different options / responses.)
3. After the 3rd Bell is rung at 10.30 a.m., remove the paper seal on the right hand side of this question booklet and check that this booklet does not have any unprinted or torn or missing pages or items etc., if so, get it replaced by a complete test booklet. Read each item and start answering on the OMR answer sheet.
4. Completely **darken / shade** the relevant circle with a **blue or black ink ballpoint pen against the question number on the OMR answer sheet.**

ಸರಿಯಾದ ಕ್ರಮ CORRECT METHOD	ತಪ್ಪು ಕ್ರಮಗಳು WRONG METHODS											
(A) ● (C) (D)	(X)	(B)	(C)	(D)	(A)	(B)	(C)	(D)	(A)	●	●	(D)
(A) ● (C) (D)	(A)	(B)	(C)	(D)	(A)	(B)	(C)	(D)	(A)	(B)	(C)	(D)

5. Please note that even a minute unintended ink dot on the OMR answer sheet will also be recognized and recorded by the scanner. Therefore, avoid multiple markings of any kind on the OMR answer sheet.
6. Use the space provided on each page of the question booklet for Rough Work. Do not use the OMR answer sheet for the same.
7. **Last bell will ring at 12.00 Noon**, stop marking on the OMR answer sheet.
8. Hand over the **OMR answer sheet** to the room invigilator as it is.
9. After separating the top sheet (KEA copy), the invigilator will return the bottom sheet replica (candidate's copy) to you to carry home for self-evaluation.

MPT

Each question carries one mark.

- $I = E/R$ is called
 - Grotthuss Law
 - Ohm's Law
 - Snell's Law
 - Joule's Law
- According to _____ Law, a fluid exerts equal pressure on all surface of a body at rest at a given depth and this pressure increases in proportion to the depth of the fluid.
 - Boyle's
 - Thermodynamic
 - Archimedes
 - Pascal
- The DNA molecule is a double helical strand having the following nucleotide bases:
 - Cytosine, thymine, alanine, guanine
 - Adenine, guanine, valine, thymine
 - Cytosine, lysine, adenine, guanine
 - Adenine, guanine, cytosine, thymine
- Formation of granuloma is
 - Type-I hypersensitivity reaction
 - Type-II hypersensitivity reaction
 - Type-III hypersensitivity reaction
 - Type-IV hypersensitivity reaction
- Food poisoning is caused by
 - Clostridium tetani*
 - Clostridium welchii*
 - Clostridium botulinum*
 - Diphtheria
- AIDS is caused by
 - Retrovirus
 - Prion
 - Rhabdovirus
 - Rotavirus
- Patients treated with the following drug should be cautioned not to consume alcoholic beverages
 - Mebendazole
 - Metronidazole
 - Methimazole
 - Metamizole
- Select the fast-acting inhaled bronchodilator
 - Ipratropium bromide
 - Formoterol
 - Salbutamol
 - Salmeterol

Space For Rough Work

9. In a flap method of amputation, which structure is kept shorter than the level of amputation?
- (A) Bone
 - (B) Muscle
 - (C) Nerves
 - (D) Skin
10. Tardy ulnar nerve palsy is seen with
- (A) Lateral humeral condyle fracture
 - (B) Supra condylar fracture
 - (C) Medial humeral condylar fracture
 - (D) Fracture capitellum
11. The assessment at risk of fall in geriatrics can best be evaluated at rural area without sophisticated facilities is
- (A) Stratify risk assessment tool
 - (B) The Tinetti balance and gait scale
 - (C) The timed up and go test
 - (D) The mobility interaction fall chart
12. The following are the stakeholders in CBR except:
- (A) Person with disabilities
 - (B) Volunteer from Community
 - (C) Family member of person with disability
 - (D) Genetic Counsellor
13. Prevention of disabilities through Health Education programmes consists of
- (A) Premordial prevention
 - (B) Primary prevention
 - (C) Secondary prevention
 - (D) Tertiary prevention
14. The proportion of the disease in a population that would be eliminated if the risk factor is eliminated is determined by
- (A) Relative risk
 - (B) Absolute risk
 - (C) Attributable fraction
 - (D) Odds ratio
15. The chest X-rays and sputum analysis for the early detection of tuberculosis constitute:
- (A) Primordial prevention
 - (B) Secondary prevention
 - (C) Primary prevention
 - (D) Tertiary prevention
16. Oral rehydration salts do not contain
- (A) Sodium chloride & Potassium chloride
 - (B) Calcium lactate
 - (C) Glucose
 - (D) Trisodium citrate dehydrate

Space For Rough Work

17. Which of the following statements is true about Hepatitis B vaccine?
- (A) It is a live attenuated vaccine
 - (B) It is a recombinant DNA vaccine
 - (C) It is a freeze dried vaccine
 - (D) This vaccine and immunoglobulin cannot be given together.
18. Which of the following is the most sensitive indicator of MCH (Maternal and Child Health) services?
- (A) Anaemia in pregnant woman
 - (B) Maternal mortality rate
 - (C) Contraceptive prevalence rate
 - (D) Under-five mortality rate
19. One of the following statements is true of Retrospective design. Identify the true statement.
- (A) Outcome measure has already occurred
 - (B) The control of exposure is possible
 - (C) This design is a part of interventional design
 - (D) Variables of interest can be analysed
20. The standard error is a statistical measure of
- (A) The normal distribution of scores around a sample mean
 - (B) The extent to which a sample mean is likely to differ from the population mean
 - (C) The clustering of scores at each end of the survey scale
 - (D) The degree to which a sample has been accurately stratified.
21. Which tendon gets involved in Colle's fracture?
- (A) Abductor pollicis longus
 - (B) Extensor pollicis brevis
 - (C) Extensor pollicis longus
 - (D) Extensor digitorum
22. Bankart lesion involves
- (A) Anterior aspect of head of humerus
 - (B) Anterior aspect of Glenoid labrum
 - (C) Posterior aspect of Glenoid labrum
 - (D) Posterior aspect of head of humerus
23. Which of the following Tumour arises from Metaphysis?
- (A) Chondrosarcoma
 - (B) Osteosarcoma
 - (C) Ewing sarcoma
 - (D) Osteoclastoma

Space For Rough Work

24. Pulmonary Oedema is diagnosed through X-Ray by
- (A) Presence of Tram
 - (B) Fish like appearance
 - (C) Kerly B Lines
 - (D) Ground Glass appearance
25. The oscillating positive expiratory pressure device commonly used is
- (A) Spirometer
 - (B) Flutter
 - (C) Inhaler
 - (D) Tens
26. Frog breathing is the technique used in
- (A) Pursed Lip breathing
 - (B) Glossopharyngeal breathing
 - (C) Diaphragmatic breathing
 - (D) Intermittent positive pressure breathing
27. Blue Blotter is the characteristic of
- (A) Emphysema
 - (B) Bronchial Asthma
 - (C) Chronic Bronchitis
 - (D) Bronchiectasis
28. The first sign of right ventricular failure is
- (A) Elevated central venous pressure
 - (B) Elevated intracranial pressure
 - (C) Depressed central venous pressure
 - (D) Decreased intracranial pressure
29. PAD test is the clinical method of measuring
- (A) Urethral pressure
 - (B) Menstrual flow
 - (C) Stress incontinence
 - (D) Vaginal tear
30. An absolute contra indication after pneumonectomy is
- (A) Humidification
 - (B) Tipping
 - (C) Huffing
 - (D) Airway suctioning
31. Lack of awareness and denial of the paralysis in stroke is called
- (A) Autopagnosia
 - (B) Prosopagnosia
 - (C) Anosognosia
 - (D) Astereognosis
32. TIA is the stroke, where the symptoms last for
- (A) More than 24 months
 - (B) Less than 24 hours
 - (C) Less than 7 days
 - (D) Less than 7 weeks
33. Polio is caused by which virus?
- (A) Herpes
 - (B) Varicella
 - (C) Lansing
 - (D) Cytomegalo virus

Space For Rough Work

34. Any restriction or lack of ability to perform an activity in the manner or within the range considered normal for a human being is known as
- (A) Participation restriction
 - (B) Disability
 - (C) Impairment
 - (D) Handicap
35. According to International Classification of Functioning, Disability and Health, an individual's mobility, self-care, and domestic life is categorized under:
- (A) Body structure and function domain
 - (B) Activities and participation domain
 - (C) Environmental factors domain
 - (D) Personal factors domain
36. Which of the following does not belong to body structure and function domain of International Classification of Functioning, Disability and Health?
- (A) Communication
 - (B) Voice and Speech function
 - (C) Mental function
 - (D) Sensory functions and pain
37. Ergonomics can best be defined as
- (A) Monitoring displays should be placed outside peripheral limitations.
 - (B) Glow-in-the-dark dials made of reflective substances are good for viewing in the nights.
 - (C) Visual systems should be preferred over auditory systems in noisy locations.
 - (D) Focusing the studying of work performance with an emphasis on worker safety and productivity.
38. Which one of the following is not suitable for occupational stress management?
- (A) Breathing exercises
 - (B) Mindfulness-Body awareness
 - (C) Anti-stress leisure-time activities
 - (D) Withdrawing from work
39. The provision of some types of service to enhance the employability of an individual who has been limited by a disabling physical condition is known as
- (A) Physical rehabilitation
 - (B) Social worker rehabilitation
 - (C) Vocational rehabilitation
 - (D) Conditioning fitness rehabilitation
40. The medical model of disability involves the below mentioned, except
- (A) Individual treatment
 - (B) Medicalisation
 - (C) Personal problem
 - (D) Social problem

Space For Rough Work

41. Hypertrophy and Hyperplasia of Goblet cells occurs in pathology of
- (A) Bronchial Asthma
 - (B) Chronic Bronchitis
 - (C) Empyema Thoracis
 - (D) Emphysema
42. Adult Endotracheal tubes have the following to limit tracheal damage:
- (A) Low-volume, high-pressure cuff
 - (B) High-volume, low-pressure cuff
 - (C) Uncuffed tubes
 - (D) Long tubes
43. Home-based cardiac rehabilitation program period lasts from
- (A) 1-2 weeks depending on local protocol
 - (B) 8-9 weeks
 - (C) 2-6 weeks depending upon local protocol
 - (D) 7-8 weeks
44. An ideal pressure of suctioning in an adult patient is
- (A) 150 mm Hg
 - (B) 90 mm Hg
 - (C) 180 mm Hg
 - (D) 120 mm Hg
45. First-line investigation in the assessment of patients with known or suspected ischemic heart disease is
- (A) Spirometer Test
 - (B) Exercise ECG
 - (C) Ultrasound examination
 - (D) Chest X-Ray
46. Exercise in a hot environment is contra indicated for patients with
- (A) Cystic Fibrosis
 - (B) Asthma
 - (C) Chronic Bronchitis
 - (D) Emphysema
47. Contra Indication of Tens is
- (A) Sympathetically mediated pain
 - (B) Dermal pain
 - (C) Percutaneous cup
 - (D) Rhizopathy
48. In infants, there is no bucket handle movement because
- (A) Diaphragm not developed
 - (B) Bronchial wall structure is different
 - (C) Ribs are obliquely positioned
 - (D) Ribs are horizontally positioned
49. Lateral Medullary Syndrome is also known as
- (A) Brown sequard syndrome
 - (B) Wallenberg's syndrome
 - (C) Horner's syndrome
 - (D) Sjogren's syndrome

Space For Rough Work

50. Vertical oscillatory movement of the head in upright position is called as
- (A) Vertigo
 - (B) Ataxia
 - (C) Titubation
 - (D) Rhomberg's sign
51. Length of Trachea is
- (A) 2 to 5 cm
 - (B) 5 to 10 cm
 - (C) 10 to 15 cm
 - (D) 16 to 20 cm
52. One of the following statements is wrong in respect to typical intercostal nerve:
- (A) Enters the posterior part of intercostal space
 - (B) Lies lowest in the neurovascular bundle
 - (C) Nerves belonging to 3rd to 6th intercostal spaces
 - (D) Nerves belonging to 7th to 9th intercostal spaces
53. Secretion of Dopamine is from
- (A) Reticular formation
 - (B) Substantia gelatinosa
 - (C) Substantia Nigra
 - (D) Choroid plexus
54. Facial nerve lesion leads to sensory changes at
- (A) Anterior two-third of the tongue
 - (B) Posterior two-third of the tongue
 - (C) Anterior one-third of the tongue
 - (D) Posterior one-third of the tongue
55. What does a 'Winged Scapula' indicate?
- (A) Injury to long thoracic nerve
 - (B) Axillary nerve injury
 - (C) Phrenic nerve injury
 - (D) Radial nerve injury
56. What is the action of Supraspinatus?
- (A) Adduction
 - (B) Abduction
 - (C) Lateral rotation
 - (D) Medial rotation
57. Which phase of action potential not occurs in visceral smooth muscle fibers?
- (A) Spike potential
 - (B) Action potential with plateau
 - (C) Latent period
 - (D) Spike potential initiated by slow-wave rhythm

Space For Rough Work

58. Strength of the muscle is the maximal extractile force produced by skeletal muscle:
- (A) Per square centimetre of the cross-sectional area of skeletal muscle
 - (B) Kilogrammeter per min.
 - (C) Grams per Kilogram
 - (D) Per square millimetre of the cross-sectional area of skeletal muscle
59. The collateral ventilation between two alveoli occurs through
- (A) Channels of Martini
 - (B) Channels of Lambert
 - (C) Pores of Kohn
 - (D) Foramen Ovale
60. In an ECG wave, ventricular depolarisation is represented by
- (A) P-Wave
 - (B) ST segment
 - (C) QRS complex
 - (D) T-wave
61. A patient presented with claw hand after a supra condylar fracture was reduced and plaster applied. The diagnosis is
- (A) Median Nerve Injury
 - (B) Volkmann's Ischemic Contracture
 - (C) Ulnar Nerve Injury
 - (D) Dupuytren's contracture
62. Dislocation of which one of the Carpal bones can present as Median Nerve palsy?
- (A) Scaphoid
 - (B) Hamate
 - (C) Lunate
 - (D) Trapezium
63. Pointing index sign is seen as _____ nerve palsy.
- (A) Ulnar
 - (B) Radial
 - (C) Median
 - (D) Axillary
64. Which one of the following statements is wrong about Erb's palsy?
- (A) Abductors of the shoulder are weak
 - (B) Upper part of Brochial plexus are involved
 - (C) Supinators are normal
 - (D) Internal rotation of arm
65. Pott's fracture is a fracture of
- (A) Lower end of tibia
 - (B) Lower end of tibia + fibula
 - (C) Lower end of tibia + calcaneum
 - (D) Calcaneum + talus

Space For Rough Work

66. The angle formed by joining a line extended from fracture line of femur neck to an arbitrary line depicting the horizontal plane is
- (A) Pauwel's angle
 - (B) Angle of Wiberg
 - (C) 'Q' angle
 - (D) Louis angle
67. Avascular necrosis of head of femur occurs commonly at
- (A) Transcervical region
 - (B) Trochanteric region
 - (C) Subcapital region
 - (D) Subchondral region
68. A patient with hip in abduction and medial rotation is unable to move probable diagnosis is
- (A) Posterior dislocation of femur
 - (B) Fracture shaft of femur
 - (C) Fracture neck of femur
 - (D) Sciatica
69. Bennett's fracture is fracture dislocation of base of _____ metacarpal.
- (A) 4th
 - (B) 3rd
 - (C) 2nd
 - (D) 1st
70. Avulsion fracture of extensor tendon of distal phalanx is
- (A) Bennett's fracture
 - (B) Smith's fracture
 - (C) Mallet finger
 - (D) Colles fracture
71. Effleurage is a massage manipulation in which the pressure is applied from
- (A) Proximal to distal
 - (B) Distal to proximal
 - (C) Circular direction
 - (D) Centripetal direction
72. Stability of walking is increased by the use of a walker as the
- (A) Forces acting on the system decrease
 - (B) Mass of the person increases
 - (C) Area of base of support increases
 - (D) Height of centre of gravity decreases
73. Delayed onset of muscle soariness is maximally encountered in
- (A) Isometric muscle work
 - (B) Eccentric muscle work
 - (C) Concentric muscle work
 - (D) Isokinetic muscle work
74. The load of a joint while doing exercises in water is less due to the principle of
- (A) Buoyancy
 - (B) Density of water
 - (C) Streamlining
 - (D) Temperature of water

Space For Rough Work

75. In a therapeutic gymnasium, the gadget used for improving the mobility of the hip joint is
- (A) Finger ladder
 - (B) Rope and Pulley
 - (C) Suspension Frame
 - (D) Parallel bar
76. During the normal human gait cycle, hamstrings work to decelerate:
- (A) Knee flexion and hip extension
 - (B) Knee extension and hip flexion
 - (C) Knee flexion alone
 - (D) Hip extension alone
77. In SWD which method is more useful to treat the walls of cavities containing air?
- (A) Coplanar
 - (B) Cable
 - (C) Contraplanar
 - (D) Cross-Fire method
78. Special characteristics of LASER is
- (A) Cavitation
 - (B) Monocheomacity
 - (C) Attenuation
 - (D) Impedance
79. Joule's Law expresses the relation between
- (A) Current, voltage and time
 - (B) Current, power and time
 - (C) Current, resistance and time
 - (D) Current, EMF and time

80. A specific amount of energy is required to change the solid form of a particular substance into liquid into gas. This energy is called
- (A) Kinetic energy
 - (B) Cohesive force
 - (C) Thermionic emission
 - (D) Latent heat
81. Normal value of Intra Cranial pressure is
- (A) 15-25 mm Hg
 - (B) 0-5 mm Hg
 - (C) 40-80 mm Hg
 - (D) 4-15 mm Hg
82. The severity and progression of _____ is assessed by Hoehn-Yahr classification of disability:
- (A) Down syndrome
 - (B) Parkinson's disease
 - (C) Multiple sclerosis
 - (D) Cerebellar disorders
83. The brain's ability to repair and modify by itself is termed as
- (A) Neural adaptability
 - (B) Neural plasticity
 - (C) Neural Sensitivity
 - (D) Neural flexibility

Space For Rough Work

84. Following are typical symptoms of Parkinson's disease, except

- (A) Rigidity
- (B) Bradykinesia
- (C) Mask-like face
- (D) Hypotonia

85. An approach that focuses on functional independence over recovery:

- (A) Task-oriented approach
- (B) Compensatory training approach
- (C) Facilitation approach
- (D) Remediation approach

86. In which cranial nerve testing, hypoactive gag reflex is seen?

- (A) III
- (B) V
- (C) X
- (D) VI

87. Slow-reversal hold technique of PNF is used to improve the _____.

- (A) Stability
- (B) Muscle power
- (C) Tone
- (D) Mobility

88. Tendency of weight bearing completely on hemiplegic side is called as

- (A) Piaget syndrome
- (B) Pusher syndrome
- (C) Lean syndrome
- (D) Wallenberg syndrome

89. Transfer of training and practice of tasks are a part of

- (A) Brunnstrom
- (B) Bobath
- (C) Motor Relearning Programme
- (D) Roods

90. Loss of facial sensation, corneal reflex and weakness of muscles of mastication are seen in

- (A) VII &
- (B) XII
- (C) V ^
- (D) IX

91. Astrocytes

- (A) Myelinate PNS axons
- (B) Are involved in brain immune function
- (C) Myelinate CNC axons
- (D) Provide physical support to neurons

92. With regard to functional levels of CNS:

- (A) Spinal cord level does not contain reflex ortho centre
- (B) Cortical level is responsible for subconscious activities
- (C) Cortical level in association with lower CNS centre is responsible for thought processing
- (D) Subcortical level is storage of memory

Space For Rough Work

93. Vitamine D deficiency in children causes

- (A) Rickets
- (B) Scurvy
- (C) Beri Beri
- (D) Kwashiorkor

94. Normal range of value of HDL cholestrol in males is

- (A) 35-75 mg/dl
- (B) 30-60 mg/dl
- (C) 40-150 mg/dl
- (D) 10-20 mg/dl

95. The set of concepts that allows us to describe the motion or displacement of a segment without regard to the forces that cause that movement:

- (A) Kinetics
- (B) Kinematics
- (C) Displacement
- (D) Movement

96. The motion of temporomandibular joint that consists of translation of the disc-condyle unit posteriorly and superiorly and of posterior rotation of the condyle on the disc:

- (A) Mandibular depression
- (B) Mandibular elevation
- (C) Lateral deviation
- (D) Protrusion

97. The movement of the upper extremity that refers to the combination of scapular, clavicular and humeral motion that occurs when the arm is raised either forward or to the side:

- (A) Rotation
- (B) Depression
- (C) Elevation
- (D) Protraction

98. The muscular contributions to the stability at the proximal radioulnar joint is by

- (A) Pronator quadratus
- (B) Pronator quadratus and Anconeus
- (C) Biceps brachii and pronator teres
- (D) Extensor carpi ulnaris

99. A step frequency or cadence which is considered as 'typical' for adult men and women is

- (A) ^M110 and ^w116 respectively
- (B) 116 and 110 respectively
- (C) 140 and 160 respectively
- (D) 160 and 140 respectively

100. The angle formed between a line connecting the ASIS to the midpoint of the patella and a line connecting the tibial tuberosity and the midpoint of patella is

- (A) Angle of inclination
- (B) Angle of Wiberg
- (C) Quadriceps angle
- (D) Louis angle

Space For Rough Work

PGCET-2020
PROVISIONAL ANSWER KEYS
M.PT

QNNO	A	B	C	D
1	C	B	C	B
2	D	C	B	D
3	C	B	C	D
4	A	A	B	D
5	A	C	B	C
6	B	B	A	A
7	C	D	D	B
8	A	B	D	C
9	C	C	C	A
10	C	D	D	A
11	D	D	B	C
12	C	B	C	D
13	A	B	C	A
14	B	D	C	C
15	B	D	B	B
16	B	C	A	B
17	C	A	A	B
18	C	B	A	B
19	A	C	A	A
20	C	C	C	B
21	B	C	D	C
22	C	D	C	B
23	B	C	A	B
24	A	A	B	C
25	C	A	B	B
26	B	B	B	B
27	D	C	C	C
28	B	A	C	A
29	C	C	A	C
30	D	C	C	B
31	B	C	C	C
32	D	D	B	B
33	D	A	B	C
34	D	C	C	B
35	C	B	B	B
36	A	B	B	A
37	B	B	C	D
38	C	B	A	D
39	A	A	C	C
40	A	B	B	D
41	B	D	D	B
42	C	C	B	B
43	C	A	B	C
44	C	B	D	D
45	B	B	D	B
46	A	B	C	A
47	A	C	A	C
48	A	C	B	D
49	A	A	C	B
50	C	C	C	C

QNNO	A	B	C	D
51	C	B	C	C
52	B	B	D	D
53	B	C	A	C
54	C	D	C	A
55	B	B	B	A
56	B	A	B	B
57	C	C	B	C
58	A	D	B	A
59	C	B	A	C
60	B	C	B	C
61	B	C	B	B
62	B	B	D	C
63	C	B	D	C
64	D	C	D	C
65	B	B	C	B
66	A	B	A	A
67	C	C	B	A
68	D	A	C	A
69	B	C	A	A
70	C	B	A	C
71	D	C	B	B
72	B	B	B	C
73	B	C	C	B
74	D	B	D	A
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90	D	C	C	C
91	C	B	B	D
92	D	D	C	C
93	A	D	B	A
94	C	D	A	B
95	B	C	C	B
96	B	A	B	B
97	B	B	D	C
98	B	C	B	C
99	A	A	C	A
100	B	A	D	C