

DO NOT BREAK THE SEAL OF THE BOOKLET UNTIL YOU ARE TOLD TO DO SO

QUESTION BOOKLET

SERIES IV

Subjects : General English, General Knowledge, Civil Engineering

BOOKLET SERIAL NO.

50196

Marks : 300

Time : 2½ hours

Read the following instructions carefully before you
begin to answer the questions.

INSTRUCTIONS TO CANDIDATES

1. This booklet contains **150 questions** to be answered in a separate OMR Answer Sheet using Black Ball Pen in following three parts:
Part-A-General English : 25 questions, Part-B-General Knowledge : 25 questions,
Part-C-Civil Engineering : 100 questions
2. All Questions are compulsory.
3. You will be supplied the Answer sheet separately by the invigilator. You must complete the details of particulars asked for.
4. Answers must be shown by completely blackening the corresponding circles in the Answer Sheet against the relevant question number by Black Ball Pen. OMR Answer Sheet without marking series/double series marking shall not be evaluated.

Example :

Supposing the following question is asked :-

The Capital of Meghalaya is-

- A. Guwahati
- B. Kohima
- C. Shillong
- D. Delhi

You will have four alternatives in the Answer Sheet for your response corresponding to each question of the Question Booklet as below :-

(A) (B) (C) (D)

In the above illustration, if your chosen response is alternative C i.e. Shillong, then the same should be marked on the Answer Sheet by blackening the relevant circle with a Black Ball Point Pen only as below :-

(A) (B) (C) (D)

WHICH IS THE ONLY CORRECT METHOD OF ANSWERING

5. Answer the questions as quickly and as carefully as you can. Some questions may be difficult and others easy. Do not spend too much time on any one question.
6. There will NOT be any negative marking for wrong answers.
7. The Answer Sheet must be handed over to the invigilator before you leave the Examination Hall.
8. No rough work is to be done on the Answer Sheet. Space for rough work has been provided in the question booklet.

PART -A-GENERAL ENGLISH

Marks :50

Each question carries 2 marks :

Directions : In the following questions, out of the four alternatives given, choose the word which is opposite in meaning to the underlined word :

1. Sane

- a) Refined
- b) Brief
- c) Inane
- d) Unbalanced

2. Bane

- a) Tact
- b) Excess
- c) Blessing
- d) Ruin

3. Treacherous

- a) Deceitful
- b) Messy
- c) Careful
- d) Loyal

4. Alert

- a) Allege
- b) Inattentive
- c) Similar
- d) Watchful

5. Altruistic

- a) Uncharitable
- b) Academic
- c) Rampant
- d) Generous

Directions : In the following questions, out of the four alternatives given, select the one that best expresses the meaning of the underlined word :

6. The Smiths lived in a modest home near Canterbury.

- a) Stylish
- b) Humble
- c) Stony
- d) Dingy

7. This classroom is better than that awful place we had before with the tiny windows.

- a) Shadowy
- b) Terrific
- c) Medieval
- d) Dreadful

8. She was exultant at her brilliant success.

- a) Delighted
- b) Disinterested
- c) Powerless
- d) Practical

9. There was a great dispute between the workers and the management.

- a) Derision
- b) Unhappiness
- c) Prospect
- d) Conflict

10. The media is disseminating news of another war.

- a) Circulating
- b) Overlooking
- c) Exposing
- d) Restricting

Directions : In the following questions, out of the four alternatives given, choose the alternative which best expresses the meaning of the given idiom / phrase :

11. All roads lead to Rome

- a) Set out on a journey
- b) There are many different ways of reaching the same goal
- c) A public spectacle marked by barbarism
- d) Going down in estimation or favour

12. Better safe than sorry

- a) It is wiser to be careful than to be hasty and then do something that one may regret later
- b) It is preferable for something to happen or be done later than not at all
- c) Narrowly surpass a previous effort or achievement
- d) At a late stage in proceedings, too late to be useful

13. Where there's smoke, there's fire

- a) There is always some reason for a rumour
- b) Stimulate someone to work more enthusiastically
- c) A powerful sense of ambition and determination
- d) Something that is beyond repair

14. Sit on the fence

- a) Unreasonable or unacceptable
- b) An opportunity to achieve something
- c) Delay making a decision
- d) Criticise someone aggressively

15. Hit the hay

- a) Make good use of an opportunity while it lasts
- b) To go to one's bed in order to sleep
- c) Throw into confusion
- d) Leave quickly

Directions : In the following questions, fill

in the blanks with appropriate preposition from the options given below :

16. I put a cloth _____ her head.

- a) At b) Over
- c) Along d) Across

17. He is a member _____ Parliament.

- a) At b) In
- c) On d) Of

18. He was afraid _____ losing his money.

- a) Of b) To
- c) Off d) With

19. We need fewer workers _____ the weekend.

- a) On b) By
- c) During d) In

20. I thought I heard someone _____ the door.

- a) At b) On
- c) By d) From

Directions : In the following questions, out of the four alternatives given, choose the one which is similar in meaning to the underlined word :

21. Infallible

- a) Dishonest b) Twisted
- c) Faultless d) Merciful

22. Gruesome

- a) Poisonous b) Ghastly
- c) Docile d) Cruel

23. Vague

- a) Unclear b) Brave
- c) Tasteless d) Haughty

24. Hostile

- a) Ailing b) Miserable
- c) Annoying d) Unfriendly

25. Cryptic

- a) Savage b) Mysterious
- c) Critical d) Crucial

PART - B - GENERAL KNOWLEDGE

Marks : 50

Each question carries 2 marks :

26. What is the name of the acid present in lemon?

- a) Oxalic acid b) Lactic acid
- c) Ascorbic acid d) Citric acid

27. Who is the Women's Singles champion of the Australian Open 2018 ?

- a) Simona Halep b) Serena Williams
- c) Angelique Kerber d) Caroline Wozniacki

28. Who is the present Governor of the Reserve Bank of India ?

- a) Raghuram Rajan b) Urjit R. Patel
- c) Arvind Subramanian d) Shaktikanta Das

29. Who is the author of the famous novel 'War and Peace' ?

- a) Leo Tolstoy
- b) William Shakespeare
- c) Bertrand Russell
- d) V. S. Naipaul

30. What is the term of the Office of the Vice President of India ?

- a) 4 Years b) 5 Years
- c) 6 Years d) 7 Years

31. Who was the first Chief Minister of Meghalaya ?

- a) D. D. Pugh b) B. B. Lyngdoh
- c) P. A. Sangma d) Williamson A. Sangma

32. Which is the capital of the Union Territory of Dadra and Nagar Haveli ?

- a) Panaji b) Port Blair
- c) Silvassa d) Kavarathi

33. MacMohan Line demarcates the boundary between -

- a) India and Pakistan b) India and Nepal
- c) India and China d) India and Myanmar

34. Where is the National Stock Exchange located ?

- a) Chennai b) Mumbai
- c) New Delhi d) Kolkata

35. Who was the first woman president of the Indian National Congress ?

- a) Kamala Nehru b) Sarojini Naidu
- c) Annie Besant d) Sucheta Kripalani

36. Which of the following blood groups is known as the universal blood donor ?

- a) O b) AB
- c) B d) A

37. What degree of Fahrenheit does equal to zero degree Celsius ?

- a) 22 b) 32
- c) 42 d) 52

38. Which of the following characteristics is not related to a federal government ?

- a) Written Constitution
- b) Flexible Constitution
- c) Supremacy of the Constitution
- d) Independent Judiciary

39. Which country is known as the Land of the Rising Sun ?

- a) Norway b) New Zealand
- c) Japan d) North Korea

40. Which year Shillong became the capital city of the composite Assam ?

- a) 1829 b) 1874
- c) 1887 d) 1926

41. Loktak lake is located in the state of

- a) Meghalaya b) Mizoram
- c) Manipur d) Tripura

42. The largest ocean in the world is

- a) The Atlantic Ocean
- b) The Pacific Ocean
- c) The Antarctic Ocean
- d) The Indian Ocean

43. How many spokes are there in the Ashoka Chakra of our national flag ?

- a) 20 b) 22
- c) 24 d) 26

44. In which year was Stephen William Hawking born ?

- a) 1942 b) 1944
- c) 1946 d) 1948

45. Who is the creator of the painting The Potato Eaters ?

- a) Leonardo da Vinci b) Pablo Picasso
- c) Vincent van Gogh d) Chris Owen

46. Which of the following states celebrate the Hornbill Festival ?

- a) Arunachal Pradesh b) Nagaland
- c) Mizoram d) Manipur

47. Who are the 2017-18 Ranji Champion ?

- a) Mumbai b) Vidarbha
- c) Delhi d) Tamil Nadu

48. What was the population of Meghalaya as per the 2011 Census ?

- a) 34.14 Lakhs b) 29.64 Lakhs
- c) 25.39 Lakhs d) 24.91 Lakhs

49. Rabindra Nath Tagore received the Nobel Prize in Literature for

- a) Gitali b) Gitimalya
- c) Gitanjali d) Kabi-Kahini

50. Taj Mahal is located on the bank of the river

- a) Ganges b) Yamuna
- c) Tapti d) Cauvery

PART - C - CIVIL ENGINEERING

Marks :200

Each question carries 2 marks :

51. In compaction the procedure for kneading action is suited for soil of

- a) Fine type b) Sandy type
- c) Organic type d) Plastic type

52. When shearing force direction is perpendicular to the serrations of metal plates during soil test, this is done in case of

- a) Shear box test
- b) Unconfined compression test
- c) Triaxial test
- d) Vane shear test

53. The difference in the slip line between active and passive state is

- a) Less than frictional angle of soil
- b) Half the frictional angle of soil
- c) Is zero
- d) Equal to the frictional angle of soil

54. The intensity of loading that will cause a permissible settlement for the structure is known as

- a) Ultimate safe bearing capacity
- b) Net safe bearing capacity
- c) Allowable bearing pressure
- d) Safe bearing pressure

55. When the ground is soft, the type of pile that is often adopted is

- a) Vibro pile b) Franki pile
- c) Western pile d) Simplex pile

56. The masonry in steining of well should not be allowed to be built

- a) More than 2m height
- b) More than 4m height
- c) More than 5m height
- d) Less than 2m height

57. The boring methods which is suitable for all types of soil, boulders, rocks is

- a) Percussion boring b) Wash boring
- c) Auger shell boring d) Spiral shell boring

58. The strength of timber is more in a direction

- a) Perpendicular to the grain
- b) Parallel to the grain

- c) Parallel to the fibre
- d) None of the above

59. In marine construction the type of cement that is mostly used is

- a) Rapid hardening cement
- b) Quick setting cement
- c) Pozzolana cement
- d) Sulphate resisting cement

60. Feeble hydraulic lime it contains silica, alumina or iron oxide in the amount of

- a) Less than 5% b) Less than 10%
- c) Less than 15% d) More than 15%

61. No slump in concrete corresponds to the compaction factor value of about

- a) 0.70 b) 0.75
- c) 0.80 d) 0.82

62. The paint that is used in underground railways and mines is

- a) Colloidal paint b) Inodorous paint
- c) Graphite paint d) Cement paint

63. The concrete flooring which is composed of cement, sand and specially selected aggregates is known as

- a) Cement concrete flooring
- b) Terrazzo flooring
- c) Mosaic flooring
- d) Granolithic flooring

64. The windows which admits more air and light is known as

- a) Bay window
- b) Clerestorey window
- c) Corner window
- d) Louvred window

65. The type of lock that is used for thin doors is known as

- a) Mortise lock b) Pad lock
- c) Rim lock d) Latch lock

66. The connection between the distribution pipe and the service connection for giving water connection to the customers is known as

- a) Goose neck b) Service pipe

- c) Ferrule d) Sluice valve
67. The concurrent forces may be
a) Coplanar
b) Non coplanar
c) Either coplanar or non coplanar
d) None of these
68. The value of a unit vector dotted into itself is
a) One b) Zero
c) Both d) None of these
69. Self weight of a block resting on an inclined plane will act
a) Vertically downwards
b) Horizontally
c) Along the incline plane
d) Normal to the incline plane
70. A properly supported truss structure is considered stable if each of the sub element is made up of
a) Two members b) Three members
c) Four members d) None of these
71. Frictional resistance generating from solid and fluid surface is called
a) Lift b) Drag
c) Gravitational force d) Thermal resistance
72. Rolling friction is a type of
a) Static friction b) Belt friction
c) Kinetic friction d) Surface tension
73. To attain the condition of irreversibility of a machine the value of mechanical efficiency is
a) More than 0.50 b) More than 0.75
c) Exactly 1.0 d) Less than 0.50
74. Which of the following is / are not simple machine (s) ?
a) Inclined plane b) Bench vice
c) Screw d) Lever
75. Degrees of freedom in a pure planar translation of a rigid body are
a) Two b) Zero
c) Three d) None of these
76. Which of the following is not a conservative force ?
a) Gravity force b) Spring force
- c) Friction force d) Pressure force
77. The Jayakar Committee for road development was formed in the year
a) 1925 b) 1927
c) 1928 d) 1929
78. Due to excessive camber on highway there is a tendency of vehicle to
a) Travel along the centre line
b) Get inclined inward
c) Inclined outward
d) Form centrifugal force
79. The first step for highway survey project is
a) Map study
b) Reconnaissance survey
c) Preliminary survey
d) Location survey
80. The mutual rubbing of stones due to pavement deformation is known
a) Attrition b) Rolling
c) Impact d) Crushing
81. The road tar that is often used for grouting purposes is
a) RT1 b) RT2
c) RT4 d) RT5
82. Lime stabilization suitable for subgrade soil of
a) Granular type b) Coarse type
c) Fine type d) Plastic type
83. To reduce warping stress in concrete pavement is taken up by
a) Filler joint b) Expansion joint
c) Transverse joint d) Construction joint
84. A localized heaving up of pavement portion is due to
a) Rutting b) Shear failure
c) Frost action d) Mud pumping
85. A zebra crossing is also known as
a) Controlled crossing
b) Uncontrolled crossing
c) Guide crossing
d) Non guide crossing
86. In a highway intersections a Clover leaf interchange is a very popular

- a) 1 leg interchange
- b) 2 leg interchange
- c) 3 leg interchange
- d) 4 leg interchange

87. For rough roads and uneven surface the tractor that is often used is

- a) Pneumatic wheel b) Crawler
- c) Smoothed wheel d) Bull dozer

88. The first proposal for the construction of railway in India was in the year

- a) 1833 b) 1838
- c) 1844 d) 1853

89. Roaring of rails is due to the

- a) Slippage of rail surface
- b) Coning of wheel
- c) Friction at surface of rail
- d) Corrugation of head of rails

90. Duplex sleepers are commonly used at

- a) Rail joints b) Track
- c) Curve d) Bridge

91. The ballast materials obtained as a waste product from steam locomotive is known as

- a) Kankar b) Slag
- c) Granulated slag d) Cinders

92. Discomfort to passengers may cause due to higher amount of

- a) Cant deficiency b) Speeds
- c) Slope friction d) Coning of wheel

93. The nose of crossing is formed by

- a) Splice rail b) Point rail
- c) Lead rail d) Tongue rail

94. For being able to change tracks in adjacent tracks in either direction is achieved by providing

- a) Gauntlet crossover
- b) Diamond crossing
- c) Obtuse crossing
- d) Scissors crossover

95. Hand held signals is a part of

- a) Operating characteristics
- b) Location
- c) Two aspects
- d) Single aspect

96. Shunting operation is carried out much quicker in

- a) Flat yards b) Gravitational yards
- c) Marshalling yards d) Hump yards

97. Soil deposited by wind is called

- a) Aeolian b) Aelian
- c) Lacustrine d) Alluvium

98. Medium plastic clay has liquid limit

- a) Below 30 percent
- b) Between 30 to 35 percent
- c) 35 to 50 percent
- d) 35 to 40 percent

99. A soil sample has a porosity of 40 percent, its void ratio is

- a) 0.667 b) 1.5
- c) 0.55 d) 0.76

100. In sieve analysis, the size of fine fraction is determine if its content in the soil is

- a) Less than 5% b) More than 5%
- c) Less than 12% d) More than 12%

101. The critical velocities of flow for fine sands is about

- a) 0.000034 cm/sec b) 0.000045cm/sec
- c) 0.000097cm/sec d) 0.0010cm/sec

102. The water formation in a soil stratum which is not capable of transmitting or supplying significant quantity is known as

- a) Aquifuge b) Aquiclude
- c) Aquifer d) Artesian

103. The upward flow will occur for a soil of specific gravity 2.7, void ratio 0.5, porosity 33 percent, the value for hydraulic gradient is

- a) 1.13 b) 2.47
- c) 0.67 d) 2.1

104. For Secondary consolidation, is due to the forcing out between soil particles of

- a) Water particles
- b) Non viscous water
- c) Highly viscous water
- d) Collapsing of pore water

105. For making steel into thin sheets materials, the type of steel required is

- a) Hard and brittle type
- b) Cold rolled type

- c) Hot rolled type
- d) Malleable steel

106. The total energy line is always higher than the hydraulic grade line, the vertical distances between the two represents

- a) The datum head
- b) The pressure head
- c) The velocity head
- d) The piezometric head

107. The Buckingham-Pi theorem is widely used in the dimensional analysis and express the resulting equation in terms of

- a) The dependent and the independent variables
- b) N dimensionless parameters
- c) (N-M) dimensionless parameters
- d) Geometric, kinematic and dynamic variables

108. Laminar flow through a circular tube was studied experimentally by

- a) Newton
- b) Pascal
- c) Hagen and Poiseuille
- d) Manning's

109. The causes of turbulence in the fluid flow may be

- a) High Reynolds number
- b) Abrupt discontinuity in velocity distribution
- c) Critical Reynolds number
- d) None of the above

110. The friction drag is primarily due to

- a) Pressure distribution over the body surface
- b) Shear stresses generated due to viscous action
- c) Weight of component in the direction of flow
- d) Separation of boundary layer

111. The specific energy in open channel is

- a) The total energy measured above a horizontal datum
- b) The total energy measured with respect to the channel bottom which is taken as datum
- c) The kinetic energy plotted above the free surface
- d) The total energy of a specified weight of liquid

112. The power which appears in the expression for the specific speed is the

- a) Water horse power
- b) The horse power develop by the runner
- c) The shaft horse power

- d) Power input to the turbine

113. The elevation of water equals to a spillway crest or the top of the spillway gates for most cases of the reservoir storage is known as

- a) Minimum pool level
- b) Normal pool level
- c) Maximum pool level
- d) Surcharge storage

114. When the water supply pipes are laid in the uneven bed of the river, the joint suitable for this type of condition is

- a) Flexible joint
- b) Spigot joint
- c) Bell joint
- d) Expansion joint

115. For public water supply the threshold number of odour for water test is

- a) Less than 1
- b) Equal to 1
- c) Between 1 and 3
- d) Between 1 and 5

116. In water bodies the organism that may be in the form of microscopic plants and animal life is

- a) Algae
- b) Fungi
- c) Diatomaceae
- d) Plankton

117. The water pressure is greater than atmospheric pressure in the case of

- a) Pressure filter
- b) Slow sand filter
- c) Rapid sand filter
- d) None of the above

118. Removing of permanent hardness of water can be carried out by

- a) Boiling
- b) Addition of lime
- c) Carbonate removal
- d) Lime soda process

119. Prevention of free circulation of water, which may lead to the stagnation and degradation of water quality is mostly occur in

- a) Dead end system
- b) Grid iron system
- c) Ring system
- d) Radial system

120. For potable water the desired temperature is

- a) Above 5 degree centigrade
- b) Less than 5 degree centigrade
- c) Around 8 degree centigrade
- d) Around 10 degree centigrade

121. When water is to be used with a direct flow from the hydrant without to be pump it should be in the head of

- a) 5 to 10m
- c) 20 to 35m

- b) 10 to 20m
- d) 35 to 50m

122. Non perennial irrigation is also known as

- a) Restricted irrigation
- b) Direct irrigation
- c) Indirect irrigation
- d) Bandhara irrigation

123. The time that the crop takes from the instant of its sowing to that of its harvesting is

- a) Base period
- b) Crop period
- c) Time allowance period
- d) Nurturing period

124. The primitive and most inefficient method of irrigation is

- a) Wild flooding
- c) Ordinary flooding
- b) Free flooding
- d) Basin flooding

125. To protect the banks of the river from erosion and improve their alignment by stabilizing the river channel is known as

- a) Canal lining
- b) Canal construction
- c) Channel construction
- d) River training

126. In a river bank to prevent its recession by caving then it is achieved by providing

- a) Revetment
- b) Apron
- c) Retaining wall
- d) Concrete bed surface

127. In canal lining to have a good hydraulic efficiency during construction

- a) The surface should be smooth
- b) Velocity should be more
- c) Velocity should be less
- d) The canal should be trapezoidal

128. For deformed bar the bond stress with respect to plain bar is

- a) More than 30 percent
- b) More than 40 percent
- c) More than 50 percent
- d) More than 60 percent

129. Bent up bars when provided their contribution towards shear resistance should

- a) Not be more than half of total shear reinforcement

forcement

- b) Be equal to half of total shear reinforcement
- c) Be more than half the total shear reinforcement
- d) Be equal to the total shear reinforcement

130. The acceptable limit of safety and serviceability before failure is called as

- a) Ultimate state
- c) Failure state
- b) Limit state
- d) Serviceability limit

131. The point after which the bar is no longer required to resist flexure is called as

- a) Bent up point
- b) Point of contraflexure
- c) Theoretical curtailment point
- d) Practical curtailment point

132. For beams and slabs the vertical deflection limits may be assumed to be satisfy if the span to depth ratio upto 10m span for cantilever beam if span / effective depth is

- a) Less than 10
- c) Less than 7
- b) Equal 10
- d) Equal 7

133. In a stress strain curve of concrete, the correct one is value of

- a) Stress of design curve = $0.67f_{ck}/1.5$
- b) Stress of design curve = f_{ck}
- c) Stress of design curve = $0.67f_{ck}$
- d) Stress of design curve = $0.87f_{ck}/1.5$

134. In Under Reinforced Section steel percentage is less than

- a) Neutral axis shift downwards
- b) Neutral axis remain in position
- c) Neutral axis shift upwards
- d) None of the above

135. The excavation machinery that is superior from the following is

- a) Power shovel
- c) Hoe
- b) Drag lines
- d) Ditcher

136. The project activity that demands normal attention but allows for some freedom of action is

- a) When the float is positive
- b) When the float is negative
- c) When the float is zero
- d) Super critical activity

137. For concrete during handling and transport-

ing the equipment which are likely to create tendency of segregation of aggregates is

- a) Hand buggies b) Power buggies
- c) Buckets d) Chutes

138. The specific surface area of cement should not be

- a) Less than $2250 \text{ cm}^2/\text{gm}$
- b) Less than $2000 \text{ cm}^2/\text{gm}$
- c) More than $2250 \text{ cm}^2/\text{gm}$
- d) Less than $1500 \text{ cm}^2/\text{gm}$

139. Acidic bricks consist of

- a) Silica 50 to 60% silica
- b) Silica 95 to 97% silica
- c) Lime 10 to 20%
- d) Lime 20 to 30%

140. In Survey work the error for angular measurements is defined by

- a) Angular error of closure / Square root of angles measured
- b) Standard error / Measured distance
- c) Error of closure / Total perimeter of traverse
- d) Probable error / Measured Distance

141. A rod having two short slots passing through the centre of section of a rod is called

- a) Ranging rod b) Offset rod
- c) Ranging pole d) Plasterer's rod

142. When the ground is rough and irregular the accuracy in linear measurement by using steel tape can be increased by

- a) Standardization correction
- b) Pull correction
- c) Sagging correction
- d) Taping in catenary

143. The magnetic bearing of a line is $78^\circ 40'$, if the magnetic declination is 5° East, the true bearing is

- a) $73^\circ 40'$ b) $83^\circ 40'$
- c) 85° d) $16^\circ 20'$

144. The vertical angle between the longitudinal axis of a freely suspended magnetic needle and the horizontal line is called

- a) Declination b) Dip
- c) Azimuth d) None of the above

145. In vernier theodolites the horizontal angle between two lines is generally measured

- a) Clockwise from the forward station
- b) Clockwise from the back station
- c) Counter clockwise from the forward station
- d) Counter clockwise from the back station

146. The most accurate method of plotting a theodolite traverse is by

- a) Consecutive co-ordinates
- b) Independent co-ordinates
- c) Included angles
- d) Tangent method

147. Simpson's rule can be used for computations of areas when the number of offsets is

- a) Even b) Odd
- c) Any number d) Three

148. The dimension of dynamic viscosity is

- a) $\text{ML}^{-1}\text{T}^{-1}$ b) $\text{ML}^{-1}\text{T}^{-2}$
- c) ML^{-1}T^1 d) MLT^{-1}

149. The piezometric head in a static liquid

- a) Remains constant in the horizontal direction, provided the liquid is non continuous
- b) Varies only in the vertical direction
- c) Remains constant throughout the fluid
- d) Does not vary in the vertical direction

150. The flow in a river during the period of heavy rainfall is

- a) Steady, uniform, two dimensional
- b) Unsteady, uniform, three dimensional
- c) Unsteady, non uniform, and three dimensional
- d) None of the above
