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

QUESTION BOOKLET

SERIES II

Subjects: General English, General Knowledge, Civil Engineering

BOOKLET SERIAL NO.

40590

Marks: 300 Time: 2¹/₂ 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 Ci.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) (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.

40590

PART-A-GENERAL ENGLISH

Marks:50

Each question carries 2 marks:	c) Die	d) Has died
Directions: (Q.NO.1-4) In these questions, four alternatives are given for the given idiom/phrase. Choose the alternative which best expresses the meaning of the given	8. She for you sin a) Is waiting c) Waited	b) Has been waiting d) Had waited
idiom/phrase. 1. Kick the bucket a) To show anger b) To clear the way c) To use force d) To die For solved Questions.co	Directions: (Q.No.9-12) In these qu tions, some of the sentences have erro and some have none. Find out which part stich sentence vish c has an error and sel compart as an answer. If there is no error then (d) is the answer.	
2. In cold blooda) To be filled with fearb) To kill deliberatelyc) To ignore	 9. The cattle (a) / is graze / no error (d) 10. He has been (a) / bles (c) / no error (d) 	
d) To treat coldly 3. Add fuel to the fire a) To raise objections b) To worsen the situation c) To make vain effort d) To light a fire	11. I shall be glad (a) / with me (c) / no error (d) 12. She is sitting (a) / r (c) / no error (d)	d)
4. Give the cold shoulder a) To treat coldly b) To fight against c) To lend a helping hand	Directions: (Q.NO.13-17), In these que tions, out of four alternatives given, choo the one which best expresses the meanin of the underlined word.	
d) To feel ashamed Directions: (Q.No.5-8) In the following questions, sentences are given with blanks to be filled with an appropriate and suitable word. Four alternatives are suggested for each question. Choose the correct alternative out of the four.	13. This statement has a a) Truthc) Questions14. All that I could say, her.a) Placate	b) Vaguenessd) Angeror do, would not pacifyb) Enlighten
5. The horse I sold is a stallion. a) Whom b) Who c) Which d) Whose	c) Enrage 15. She gave an exuber a) Honourable c) Exciting	d) Transform ant performance. b) Enticing d) Inferior
6. He has been blessed good health. a) By b) With c) For d) Of 7. The patient before the doctor came. a) Had died b) Died	16. Many people were is small fire could have caa) Scepticalc) Convinced	

17. The story he to	d was a pathetic attempt to	
cover up a lie.		
a) Direct	b) Stupid	
c) Pitiful	d) Spiteful	
Directions : (O.N	O.18-21) In these ques-	
	alternatives given, choose	
	pposite in meaning to the	
underlined word.		
18. The accountant	said that it was the most	
humdrum day that s	she had ever passed.	
a) Tedious	b) Mundane	
c) Exciting	d) bottlærssonlived Ques	stion paper, visit
	Megeducations.	com
19. Despondency	began to creep over their	
hearts.		
a) Cheerfulness	b) Faith	
c) Depression	d) Fear	
20. His impudent	behaviour was a constant	
source of frustration	for his mother.	
a) Violent	b) Respectful	
c) Shameless	d) Cheeky	
21. The team seems	ed invincible.	
a) Indomitable	b) Powerful	
c) Conceited	d) Vulnerable	
Directions : (Q.No	.22-25) Fill in the blanks	
with the appropri	ate preposition from the	
options given.		
22. He is completely	absorbed the music.	
a) With	b) In	
c) On	d) To	
23. Regular exercise	e is beneficial health.	
a) For	b) On	
c) In	d) To	
c) m	4) 10	
	se attacking that old	
man. a) On	b) For	
c) Of	b) For	
()	d) In	
25. I insisted	his going away at once.	
a) On	b) In	
c) For	d) With	

PART-B-GENERAL KNOWLEDGE

Marks: 50

	Each	question	carries	2	marks	:
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26. Which of the following novel	was	awarded
the 2021 Booker Prize for fiction	?	

- a) The Promise
- b) Great Circle
- c) The Fortune Men
- d) Bewilderment
- 27. What does the three colours of the National Flag represent?
- a) Religion, Peace, Agriculture
 b) Justice, Sacrifice, Agriculture
 c) Sacrifice, Peace, Prosperity

 For solved Question paper, visit
 Megeducations.com
 15th August
- c) Sacrifice, Peace, Prosperity
- d) Freedom, Peace, Justice
- 28. Which of the following sport was not included in the Common Wealth Games, 2022?
- a) Football
- b) Shooting
- c) Judo
- d) Cycling
- 29. "Agnipath" Scheme which was launched recently is associated with which of the following fields?
- a) Tribal Welfare
- b) Civil Service
- c) Police
- d) Defence
- 30. Which is India's first underwater metro rail service?
- a) Mumbai Metro
- b) Kochi Metro
- c) Kolkata Metro
- d) Chennai Metro
- 31. Which of the following types of waves are used in a night vision apparatus?
- a) Radiowaves
- b) Microwaves
- c) Ultraviolet waves
- d) Infrared waves
- 32. The indigenous RT-PCR diagnostic kit "Om" to detect the Omicron Variant was developed by
- a) IIT Kanpur
- b) CSIR-CDRI
- c) AIIMS
- d) DRDO
- 33. Indian highest Meteorological Centre has been inaugurated in which state/UT?
- a) Meghalaya
- b) Sikkim
- c) Uttarakhand
- d) Ladakh
- 34. Who is the present governor of the Reserve Bank of India?
- a) Shaktikanta Das
- b) Raghuram Rajan

- c) Bimal Jalan
- d) Lakshmi Kant Jha
- 35. Value of a commodity expressed in terms of money is called
- a) Price
- b) Demand
- c) Utility
- d) Money value
- 36. Partition Horrors Remembrance Day is ob-
- b) 14th August
- d) 17th August
- 37. The unit of energy produced by food in human body is called
- a) Watt
- b) Ampere
- c) DNA.
- d) Calorie
- 38. The tropic of cancer passes through which of the following north east states?
- a) Assam and Tripura
- b) Tripura and Mizoram
- c) Assam and Manipur
- d) Meghalaya and Assam
- 39. Who amongst the following ruler was known as "Napoleon of India"?
- a) Chandragupta Maurya
- b) Ashoka
- c) Akbar
- d) Samudra Gupta
- 40. Which type of missile is "Prithvi-2" which was recently test fired?
- a) Surface to Air Missile
- b) Anti-Aircraft Missile
- c) Surface to Surface Missile
- d) Air to Air Missile
- 41. Who was the first Indian to get selected in ICS?
- a) Satyendranath Tagore
- b) Rabindranath Tagore
- c) Subhash Chandra Bose
- d) Dadabhai Naorojee
- 42. The term "URL" used in internet technology refers to
- a) Unique Resource Locator

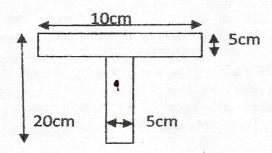
- b) Uniform Resource Locator
- c) Unique Remote Locator
- d) Uniform Remote Locator
- 43. Green Revolution is mainly associated with
- a) Rice
- b) Wheat
- c) Pulses
- d) Tea
- **44.** The main headquarters of the North Atlantic Treaty Organization is
- a) Warsaw, Poland
- b) Ottawa, Canada
- c) Washington, USA
- d) Brussels, Belgium
- **45.** Which of the following sportsperson became the first Indian to win the Prestigious Zurich Diamond League Final, 2022 in Switzerland?
- a) Neeraj Chopra
- b) P.V. Sindhu
- c) Virat Kohli
- d) Mirabai Chanu
- **46.** The Nokrek National Park, Meghalaya was added by UNESCO to its list of
- a) World Heritage Sites
- b) Global Geo Parks
- c) Biosphere Reserves
- d) All of the above
- **47.** Which of the following does NOT constitute the electoral college for electing the President?
- a) Elected members of the Rajya Sabha
- b) Elected members of the Legislative Councils
- c) Elected members of the Legislative Assemblies
- d) Elected members of the Lok Sabha
- **48.** Which place is called the "Silicon Valley" of India?
- a) Bengaluru
- b) Pune
- c) Hyderabad
- d) Delhi
- 49. Who amongst the following coined the name
- "Meghalaya" meaning "The Abode of Clouds"?
- a) Rabindranath Tagore
- b) Braj K Nehru
- c) Shiba P Chatterjee
- d) Prakash Mehrotra
- **50.** Green colour in plants is due to the presence of
- a) Sodium
- b) Chlorophyll
- c) Hemoglobin
- d) Phosphorus

PART - C - CIVIL ENGINEERING

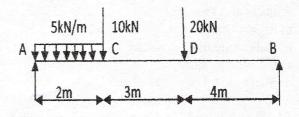
Marks:200

Each question carries 2 marks:

- **51.** A rod of 100cm long and 50mm² cross section is subjected to an elongation of 0.10mm. The elasticity modulus of material is $2x10^6$ kg/cm². The force of pull is
- a) 100kg
- b) 10,000kg
- c) 100,000kg
- d) 1000kg
- **52.** A bar of 2m length, 2cm breadth and 1.5cm thickness is subjected to a tensile load of 6000kg. If the Poisson's ratio is 0.25 and elasticity modulus of the bar is $2x10^6$ kg/cm², the strain is
- a) 1/2000
- b) 1/1000
- c) 1/200
- d) 1/100
- **53.** A point in a strained material is subjected to two mutually perpendicular tensile stresses of 200N/mm² and 100N/mm². The tangential stress on a plane inclined at 30° to the minor principal stress is
- a) 180.28 N/mm²
- b) 175 N/mm²
- c) 43.3 N/mm²
- d) 21.65 N/mm²
- **54.** The strain energy stored in a bar of 200cm long, 5cm wide and 4cm thick; is 90kg-cm. The elasticity modulus of the bar is $2x10^6$ kg/cm², the stress in a bar is
- a) 150 kg/cm²
- b) 300 kg/cm²
- c) 450 kg/cm²
- d) 600 kg/cm²
- 55. The centre of gravity from the figure is



- a) 10cm
- b) 16.25cm
- c) 12.5cm
- d) 11.5cm
- **56.** The Bending moment at C from the figure is



- a) 41.12kN-m
- b) 51.12kN-m
- c) 61.12kN-m
- d) 31.12kN-m
- 57. A steel wire of 10mm diameter is bent into a circular shape of 4m radius, with Young's modulus as 2×10^6 kg/cm², the maximum stress induced in a wire is
- a) 5000kg/cm²
- b) 4000kg/cm²
- c) 3500kg/cm²
- d) 2500cm²
- **58.** In a Simple machine the irreversibility condition is
- a) Termed as self locking condition
- b) Happening due to removal of the load
- c) Combination of (a) and (b)
- d) None of the above
- **59.** In a lifting machine an effort of 310N raised a load of 10,000N. If the efficiency is 75 percent, the Velocity ratio is
- a) 24.19
- b) 43.01
- c) 2.32 percent
- d) 24.19 percent
- **60.** A cantilever beam of length L carries a point load of W at distance L_1 from fixed end. With E and I as usual notation, the deflection at free end is given by
- a) $WL^3/3EI+WL_1^2(L-L_1)/2EI$
- b) $WL^2xL_1/3EI+WL_1^2(L-L_1)/2EI$
- c) $WL_1^3/3EI+WL_1^2(L-L_1)/2EI$
- d) $WL_1^3/4EI+WL_1^2(L-L_1)/3EI$
- **61.** Two plates 20mm thick are joined by a double riveted lap joint. The pitch of each row of rivet is 10cm, the rivets are 25mm diameter. The permissible stresses are as follows:

Tension is 1500kg/cm², Shear is 1250kg/cm², Bearing is 2500 kg/cm². The strength of the un riveted plate per pitch length is

- a) 30000kg b) 25000kg c) 50000kg d) 6135.9kg
- **62.** The reciprocal of co-efficient of compressibility is also known as
- a) Rigidity modulus
- b) Bulk modulus of elasticity
- c) Incompressibility
- d) Shear modulus
- **63.** Weight of liquid that rises in a capillary tube is supported by
- a) Friction between tube wall and liquid
- b) The atmospheric pressure
- c) The vertical component of force due to surface tension
- d) Curvature of the meniscus
- **64.** The criterion for stability of a floating body depends on
- a) Relative position of centre of buoyancy and centre of gravity
- b) Relative position of the metacentre and the centre of buoyancy
- c) Relative position of the metacentre and the centre of gravity
- d) None of the above
- **65.** Fluid masses subjected to uniform acceleration are analysed using
- a) Newton's law of viscosity
- b) Newton's second law of motion
- c) Bernoulli's equation
- d) Momentum equation
- **66.** Choose the term which is not associated with the assumption of Bernoulli's equation
- a) Flow is uniform
- b) Flow is steady
- c) Flow is irrotational
- d) Fluid is incompressible
- 67. The dimension of a vertex angle is
- a) M-1L1T1
- b) M-1L0T1
- c) M¹L⁰T⁰
- d) MoLoTo
- 68. The energy loss in pipe lines is due to
- a) Viscous action only
- b) Surface roughness only
- c) Friction offered by pipe wall as well as by viscous action
- d) Turbulent shear stress only

- 69. Water hammer is a phenomenon which is caused by
- a) Sudden opening of valve in a pipe line
- b) Sudden closure of valve in pipe flow
- c) Incompressibility of fluid
- d) The pipe material being elastic
- 70. In orifice flow the vena contracta represents
- a) The section where the jet has maximum flow area
- b) Section where the pressure is above atmospheric
- c) The location where the jet area is minimum, the streamlines parallel and the pressure atmospheric
- d) The opening of the orifice itself
- 71. In hydraulic turbine
- a) The runner is keyed to the main shaft
- b) Draft tube is connected to the shaft
- c) The runner is connected to the draft tube
- d) None of the above
- 72. The crop which require regular supply of irrigation water for long time when there is shortage of rainfall is
- a) Paddy
- b) Bajra
- c) Rabi
- d) Sugar cane
- 73. The land in which cultivation is performed in the present time is
- a) Gross Commanded Area
- b) Culturable Cultivated Area
- c) Culturable Uncultivated Area
- d) Culturable Commanded Area
- 74. In India the rivers which received major flows from rainfall only are
- a) Deccan rivers
- b) Desert rivers
- c) Himalayan rivers
- d) Both (a), (b)
- 75. The canal which is constructed as a sort of a relief work is
- a) Protective canal
- b) Productive canal
- c) Permanent canal
- d) Innundation canal
- 76. In hilly areas the alignment of a canal is done by alignment of
- a) Ridge
- b) Watershed channels
- c) Feeder canal
- d) Contour channels
- 77. Minimum losses of canal is by
- a) Evaporation
- b) Seepage

			1
c) Absorption	d) Percolation	c) Convective	d) Occluded
78. For irrigation of small fields from unlined		87. When the hydraulic gradient line coincide	
wells the method use is		with the water surface	the conduit is termed as
a) Mote	b) Denkli	a) Hydraulic conduit	b) Gravity conduit
c) Kili	d) Churus	c) Pressure conduit	d) Inverted conduit
79. The Strainer in whi	ich it is provided with cut-	88. Plankton act as	
ter in the tube it is	1,000	a) Natural water purit	ñer
a) Legget	b) Ashford	b) Enhancing the pala	tability of water
c) Pheonix	d) Layne and bowler	c) White colouration of	of water
		d) Food for fish	
80. The Weir that is g	generally used as a spill-	tion nanor visit	
	is also known solved Ques	water puritic	ation system the coarse
a) Pick up weir	b) WasMegeducations.		
c) Storage weir	d) Diversion weir	a) Reduce opening ar	
		b) Increase velocity o	
81. Water logging in a		c) Reduce velocity of	
a) Prolonged time of n	naturity of plants	d) Act as desalination	
b) Possibility of tillage	operations		
c) Creation of aerobic	condition	90. The Coagulants u	ised for raw water which
d) Creation of anaerob	pic condition	is not colour is	
		a) Alum	b) Copperas
82. When the drain w	vater touches the roof of	c) Sodium aluminate	d) Single chlorine
the drain waterway du	iring high flood this type		
of arrangement is call	ed	91. Infiltration galleri	es are provided when
a) Siphon aqueduct		a) Ground water quan	tity is less
b) Siphon super passa	ge	b) More impurities exi	st
c) Flumed canal	Secretary of the second	c) Less impurities exis	st
d) Super passage		d) Ground water quantity is more	
83. In Pumping of well	the parameter which sin-	92. For potable wate	r the desirable tempera-
gly involved lateral me	easurement of quantity is	ture is about	
the		a) 6°C	b) 10°C
a) Cone of depression		c) 13°C	d) 15°C
b) Radius of influence			
c) Specific yield	· ·	93. The amount of Res	idual chlorine is observed
d) Retentive yield		usually after a contact	period of
		a) 5 minutes	b) 10 minutes
84. The pressure which	is below the Atmospheric	c) 15 minutes	d) 20 minutes
pressure is termed as			s for the state are
a) Negative pressure		94. In water distribution	on networks more stagna-
b) Positive pressure		tion of water occur in	
c) Gauge pressure		a) Tree system	b) Grid iron system
d) Bourdon gauge pres	ssure	c) Ring system	d) Radial system
95 Water manine	t in offices nor hard war	05 The nortion of th	a sail formation through
전환 경영 내용 가는 하는 사람들이 하는 사람들이 가는 그들이 모든 것이 되었다.	t in offices per head per	- 20 m 1 m - 1 1 m - 1 m	e soil formation through nt of water takes place is
day is		winch fateral moveme	in or water takes place is

a) 25 litres

c) 40 litres

a) Orographic

b) 30 litres

d) 45 litres

b) Cyclonic

86. The most common precipitation in India is

called

a) Zone of water table

b) Zone of saturationc) Zone of gravity

d) Zone of aeration

	Congress was founded in	d) Fastening rail to the sleeper	
the year			
a) 1934	b) 1938		idia rolled out in the year
c) 1943	d) 1948	a) 1843	b) 1853
		c) 1873	d) 1913
97. During the process	of Reconnaissance sur-		
vey in hill roads the wid	th of trace cut adopted is	107. The used of finer	sand increases the,
a) 0.60-0.75m	b) 0.75-1.00m		demand for same work-
c) 1.00-1.2m	d) 1.2-1.5m	ability	
*/		a) Volume	b) Density
98 When the speed of	f the vehicle is 50kmph	c) Specific area	d) Pore space
the reaction time of the	지어를 하다 내용하는 그 전에는 물리에서 화가를 하는 것이 되었다. 이 경영화 이 모든 바로 하지 않는데 되었다.	o) Specimo un du	u, 1010 spillo
a) 2 seconds	b) 3 seconds	108 In concrete an inc	rease in 1 percent of air
c) 4 seconds	d) 5 seconds		(1) : [1] [1] [1] [1] [1] [1] [1] [1] [1] [1]
c) + seconds			on wan moreasc of 3
00 In Mountainous tor	Megeducations.	Compercent of	h) Eine aggregate
		a) Water content	b) Fine aggregate
evation over 2km leng		c) Coarse aggregate	d) Cement
a) 50m	b) 75m	100 771	0.1 1.11.
c) 100m	d) 125m	그 사람들은 사람들이 되었다. 그 아이들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들이 되었다.	of durability of concrete
100 771 34 11 00	1 1	can be achieved by	
100. The Modulus of S	그렇게 마른 아내가 되었다. 하면 어느 아니는 이 바다 하는데 얼마나 하는데 하는데 하는데 하는데 하다 하다.	a) Adhering of proper v	
a) Kg/cm ² /cm	[[[[[[[[[[[[[[[[[[[[가는 보고 있는 것이 하는 이 사람들이 되었다. 이 사람들이 가는 사람들이 없는 것이 없는 것이 없는 것이다.	im cement content and
c) Kgc/m ² /cm ³	d) Kg/cm ²	maximum water cement ratio	
		그 이 생기에 있었다. 이 사람이 내가 하는 그 그래요? 그 사람이 되었다.	of fine and coarse aggre-
선생님 그렇게 되는 것들은 사람들이 되었다면 하는 것이 되는 것이 없는 것이 없는 것이 없었다.	obtained by blending a	gate	
bituminous binder with	a volatile liquid solvent is	d) Using hard aggregat	te
termed as			
a) Straight run bitumen		110. The Rebound hammer test is limited to a	
b) Cutback bitumen		termined the hardness of surface upto depth	
c) Asphalt		a) 1.5cm	b) 2.5cm
d) Bitumen emulsion		c) 5cm	d) 6cm
·	그 없는데 이 이번 두 하는 요리를 하는 것이 없어요?	large number of ve- 111. The mechanical property of	
hicles travel is known a		which is important when the aggregate is	
a) Design speed	b) Modal speed	jected to high wear is	
c) Minimum speed	d) Maximum speed	a) Abrasion	b) Crushing
		c) Attrition	d) Impact
103. The maximum nu	imber of passenger cars		
that can pass a given pe	oint on a lane on a road-	112. The cement obtained	ed by adding a small per-
way during one hour under most ideal roadway		centage of aluminium sulphate and finely grind-	
and traffic conditions is	s known as	ing of cement is	
a) Basic capacity	b) Possible capacity	a) Quick setting cemen	ıt
c) Practical capacity	d) Design capacity	b) Rapid hardening cen	집 사람들은 어린 생각이 있다고 하고 하는 사람들이 되었다면 하는 사람들이 없다.
	, 5	c) Extra rapid hardening cement	
104. The best performi	ng metal sleeper in rail-	d) High alumina cement	
way is	0	1, 1, 1, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	
a) Steel trough	b) Plate type	113 The efflorescence	e in brick can be mini-
c) Pot type	d) CST type	mized during manufact	
-, - ov -, p•	-, · · · · · · · · · · · · · · · · ·	a) Reducing burning te	[2] [2] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4
105. Pandrol clip is use	ed to	b) Increasing burning to	없는데 프로그램 (CHANGE) 이번 시간 (1982년 1984년 - 1982년 1984년
a) Join the Fish Plates	A IO		
b) Join the rails		c) Reducing the water	
나 보면 하는 경기를 하게 되었다면 보다 그 사이를 보는 것이다.		d) Selecting proper clay	y materiais
c) Act as a key			

114 The timber which	are slow difficult to sea-	b) Cohesionless sand		
114. The timber which are slow, difficult to season and free from defects is termed as		c) Cohesive soil		
a) Highly refractory		d) Cohesionless sand, gravel and cohesive soil		
b) Moderately refracto	orv.	.,,, 2	estamente de la	
c) High durability	~ y	123. For highly sensitive	ve clay its shear strength	
d) Moderate durability		is determine by	ve oney no onem on one	
d) wioderate durability		a) Vane shear test		
115 The point which	consist of metallic oxide	b) Unconfined compre	ssion test	
나는 그리고 있는데 그를 가지 않는데 그렇게 얼굴하는데 그는 그리지 않는데 하다.		c) Triaxial test	SSIOII WSt	
	tity of oil and mixed with	d) Direct Shear box te	at	
petroleum spirit is	INFordal and the	d) Direct Silear box to		
a) Enamel paint	b) Emulsion paint	124 If the Daisson's m	atio of the soil is 0.4, its	
c) Plastic paint	d) Aluminium paint			
AND THE RESERVE OF THE PARTY OF		co efficient of At Rest		
	l acts as # fastsparvied hQuesti	on paper, visit	b) 0.600	
battens	Megeducations.co b) Along the height	om ^{c) 0.667}	d) 0.429	
a) Along the width	b) Along the height		School of	
c) Outside	d) Inside	125. The pile which ac	et as tension pile is	
		a) Sheet type		
117. In stairs the wind	lers are provided	b) Displacement type		
a) For beauty		c) Non displacement ty	ype	
b) For aesthetic consid	leration	d) Under reamed type		
c) Space deficiency ald	ong horizontal plane			
d) Space deficiency ale	ong vertical plane	126. The Geo synthetic	es material that is used to	
		provide drainage is in soil project is		
118. The value of dens	ity index for a cohesion-	a) Geo net		
less soil, which in its na	tural state is in loose form	b) Geo grid		
is		c) Geo composite		
a) 0	b) <1	d) Turf reinforcement	mat	
c) 1	d) >1			
		127. Stabilisation of so	il with lime is carried out	
119. In soil classificati	on the term GM is refer	for		
as		a) Plastic soil b) Non plastic soil		
a) Gravel of Medium s	ize	c) Sandy soil	d) Gravelly soil	
b) Silty Gravel				
c) Medium Compressib	pility Gravel	128. With usual no	tations, the equation	
d) Mixed Gravel				
		$q_{nf}/F + \gamma D$ refer to		
120. The soil structure	e arrangement, generally	a) Net soil Pressure		
	sizes between 0.0002mm	b) Safe bearing Capacity		
to 0.02mm is term as		c) Net safe bearing Capacity		
a) Dispersed	b) Flocculated	d) Net ultimate bearing	g Capacity	
c) Honeycomb	d) Composite			
,	✓ 5.000 F 0.000 € 10.000 €	129. The Unit weight o	f brick masonry with ce-	
121. The decrease in	permeability due to the	ment plaster in KN/m ³		
	saturation is caused by	a) 24	b) 25	
a) Entrapped air in the	그 것이다. 경에 그 나를 못 하지만 맞아보다 살아보는 느낌이 되었다. 그는 그는 그는 사람들이 그리고 그 때문에 없었다.	c) 20	d) 19.2	
b) High unit weight of				
c) Lower viscosity of water		130. The characteristic	load is that load which	

c) 80 percent

d) 95 percent

122. Pneumatic roller is suitable in field com-

c) Lower viscosity of water

d) Low hydraulic gradient

paction for

	ed section the strain in	139. The W.C.B of line is 160°10° its reduced bearing is		
steel reaches its yield value first, but at that time the strain in concrete is		a) \$70°10°E	b) N70°10`E	
a) equal 0.002	b) Less than 0.002	c) \$19°50`E d) \$19°50`W		
c) Less than 0.0035	시는 이번 후 그는 지원이 없는 그리고 그렇게 먹었다고 그리고 있는 것이 되었다고 하는데 하다 하는데 없다.	C) 312 30 L	u)519 30 W	
		140. When a known	station is sighted and a line	
132. The inclination of	crack pattern in concrete		plotted location of that sta-	
	am between supports and	TO : TO : 이번 대통령 사용경이 등 하는 기를 되면 밝혔다고 있는 그 나는 이번	trument station, the sight is	
mid span is		called		
a) Vertical		a) Foresight b) Backsight		
b) 0 degree		c) Bisector d) Resector		
c) Less than 45 degree		0) 21500001		
d) Between 45 to 90 d		141 The consecutiv	ve readings were taken with	
a) Botwood 15 to 50 a	들게 프레이지 경우를 하다가 되지 않는 얼마까지 사라, 보이보면 시간에 되었다면 살아가는 것이 없는데 되었다.		0.795m, 1.655m, 2.890m,	
133. The permissible h	ond stre Megredsforations.			
	taken as more than	after the fourth rea	ding, the first reading was	
the bars in tension.			ark whose R.L is 550.605m.	
a) 15 percent	b) 25 percent	The R.L for the sec		
c) 20 percent	d) 10 percent	a) 550.605m	b) 548.95m	
o) bo porcone	a) 10 percent	c) 549.745m	d) 551.65m	
134. The contribution	of bent up bars towards	•,•		
	l of the total shear	142. The Countouri	ng method which is suitable	
re-inforcement.			lations without any vegeta-	
a) Not be more than ha	alf	tive covers is		
b) Not be less than hal		a) Square method		
c) Be equal		b) Cross section me	ethod	
d) None of the above		c) Indirect method		
		d) Tacheometric method		
135. The acceptable lin	nit of safety and service-			
ability before failure oc		143. A force of 8KI	N is acting at 20° clockwise	
a) Collapse state	b) Limit state	with respect to horiz	zontal axis. Such a quantity	
c) Ultimate state	d) Failure state	is termed as		
		a) Scalar	b) Vector	
136. A survey chain ha	aving each link measure	c) Weight d) Inclined force		
as 1ft, is known as				
a) Engineer's chain	b) Metric chain	144. If a deformable body is in a state of		
c) Gunter's chain	d) Steel chain	equilibrium, it would	d also be in static equilibrium	
		if the body was rigid. This axiom is also know		
137. The volume of ex	cavation was computed	as		
from the measurement	s taken by a 20m chain	a) Principle of continuum		
	um. At the end of work it	b) Principle of action		
	n used was 5cm too long,	c) Principle of react		
	t during commencement	d) Principle of solidification		
of work. Calculate the	correct volume of exca-			
vation		145. The magnitude of the force F, whose co		
a) 6022.53cum	b) 6045.11cum	ponents along x,y,z directions are 15kN,		
c) 5955.11cum	d) 6012.23cum	-20kN,30kN respec		
		a) 39.35kN	b) 39.25kN	
	triangles arrangement in	c) 39.15kN	d) 39.05kN	
survey work is				
a) Ideal triangle	b) Equilateral triangle	146. In a force system the internal built up force		
c) Obtuse angle	d) Right angle triangle	known as		
		a) Active force	b) Re active force	

- c) Self force
- d) None of the above
- 147. In a free body diagram of forces, the re action of force generated from a roller support has
- a) One component
- b) Two component
- c) Three component
- d) None of the above
- 148. In a simple truss the chords are
- a) All components
- b) The members forming outline
- c) Diagonal members
- d) All members excluding joints

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- 149. Frictional forces generated **Megaditications.com** fluid surfaces in contact is called
- a) Drag
- b) Fluid friction
- c) Dry friction
- d) Surface friction
- **150.** When pressure in vehicular tyre is low it results in
- a) Less flex in side walls
- b) More flex in side walls
- c) Lower rolling friction
- d) None of the above

SPACE FOR ROUGH WORK