# **Model Question Paper I**

Choose the correct answer

# **Basic Civil Engineering – Theory**

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Total Marks: 90

### Part A

## $15 \times 1 = 15$

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1.	Engineering drawing of lines and letters.	is a	_language which consi	ists of different types
	a) Tamil	b) western	c) World wide	d) Indian
2.	The only line which i	ntersects object line is		
	a) Hidden line	b) Leader line	c) Extension line	d) Dimension line.
3.	software	e is mostly used to dra	aw drawing.	
		b) NISA	•	d) ARCHICAD
4.	is mention	ning the real dimensio	n near the object.	
	a) Dimension style	b) Dimension text	c) Dimension line	d) None of the above
5.	rocks can	not split in to thin lay	vers.	
	a) Stratified	b) Un-Stratified	c) Foliated	d) None of the above
6.	The percentage of Iro	on oxide content in goo	od brick earth is	
	a) 5-6%	b)3-4%	c)2-3%	d)4-5%
7.	In a Layman's view ce	ement means		
	<ul><li>a) Natural cement</li><li>d) Portland cement</li></ul>	b) Artificial cement	c) Quick setting cem	ent
8.	The proportion of cer	ment mortar used for	brick work is	·
			c) CM 1:3	
9.	The ratio of Reinford	ced cement concrete is	·	
	a) 1:4:8	b) 1:3:6	c) 1:5:10	d) 1:2:4

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10 timber is a) Teak	s used for ship building b) Sal		d)Jack			
	carry irrigation water i ile b) Drain tile	s c) Floor tile	d)Roof tile			
bearing capacity	is	loads from steel column				
d) Combined for	•					
<ul><li>13. The Layer of bric</li><li>a) coping</li></ul>		roof level of every floor i c) String course				
14. The inner surface	ce of an arch is termed a	as				
a) abutment stone	b) intrados	c) extrados	d) Springing			
15. The vertical wo	oden member which s	plits the doors or wind	dows into two parts is			
a) Style	b)Bottom rail	c)Panel	d) Mullion			
Part B						
	Pa	art B				
Answer any ten quest	Pa tions in one or two senter		$10 \times 3 = 30$			
Answer any ten quest Note : Question No 23	tions in one or two senter		$10 \times 3 = 30$			
<i>Note : Question No 23</i> 16. List the general of 17. Write any three 18. List the ingredie 19. Write any three 20. Write short note 21. List any three ty 22. What are the obj 23. Write the types of 24. List the types of 25. List and three ty	tions in one or two senter 5 is Compulsory classification of rocks. uses of stones. nts and its proportions Properties of good mo on : Fiber board pes of ceramic tiles. jects of providing found of dressing of stones.	of brick earth. rtar. lation? terials for construction. pors and windows.				
<i>Note : Question No 25</i> 16. List the general of 17. Write any three 1 18. List the ingredie 19. Write any three 1 20. Write short note 21. List any three ty 22. What are the obj 23. Write the types of 24. List the types of 25. List and three ty 26. List any three ty 27. List the types of	tions in one or two senter 5 is Compulsory classification of rocks. uses of stones. nts and its proportions Properties of good mo on : Fiber board pes of ceramic tiles. jects of providing found of dressing of stones. arches based on the ma pes of hinges used in do pes of stairs based on th	of brick earth. ortar. lation? terials for construction. oors and windows. ne shapes.				

#### Part C

#### Answer any five questions in brief

#### Note : Question No 30 is Compulsory

29. Write briefly about set square with neat sketch.

30. Write any five advantages of using software to draw drawing.

31. List the steps involved in preparation of brick earth and explain any two of them.

32. List the field tests conducted on cement and explain any two of them.

33. What is seasoning of timber ? List the objects of seasoning of timber.

34. Write name and uses of any five tools used in masonry work.

35. Draw a straight stair and indicate its parts.

#### Part D

#### Answer all questions in detail

 $2 \times 10 = 20$ 

36. Explain any ten principles adopted in dimensioning with sketch.

#### (or)

Differentiate between River sand and Manufactured sand (M-sand).

37. Draw neatly a panel door and indicate its parts.

(or)

Explain about any four modern roofing sheets.

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 $5 \times 5 = 25$ 

# **Model Question Paper II**

## **Basic Civil Engineering- Theory**

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Total Marks: 90

### Part A

Choose the correct ans	wer.			15 × 1 = 15
1. The ebony edge of d of drawing board.	rawing board should l	be projected		from the edge
a) 6 to 10 mm	b) 5 to 6 mm	c) 2 to 3 mm	d)	7 to 8 mm
<ol> <li>The software used for a) M.S. ROADS</li> </ol>	b) KANAL ++		d)	GEO
<ul><li>3. The specific gravity</li><li>a) 1.8</li></ul>	0			 2.7
	b) 20 to 35 %	c) 35 to 50 %		40 to 45 %
5. In block test, the cer	nent block is immerse	d in water for		·
		c) 7 days		
		t on the underside of co	ornic	e, coping and sill
to drain the rain wat a) Layer		c)Plinth	d)	Through Stone
<ul><li>7. The wedge shaped st</li><li>a) Voussoirs</li></ul>		called as c) Springing stone	d)	Springing line
8. The horizontal mem				
		c) Louver	d)	Mullion
9. The minimum heigh a) 2.0 m	nt of door is b) 1.5 m	c) 1.8 m	d)	2.2 m
10. The horizontal porti				
a) Rise	b) Tread	c)Riser	d)	Going
<ul><li>11. The roof having slop</li><li>a) Shell roof</li><li>d) Madras terrace r</li></ul>	b) Pitched roof			
12. The weight of rose w a) 7900 N/m <sup>3</sup>	vood after seasoning is b) 6900 N/m³	c) 8600 N/m <sup>3</sup>	 d)'	7700 N/m³
<ul><li>13. The thickness of har</li><li>a) 2 mm</li></ul>	d board is			5 mm

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<ul><li>14. The percentage of cal</li><li>a) 80 %</li></ul>	cium oxide in fat lime b) 85 %		d)	90 %
<ul><li>15. The other name of po a) Ceramic tiles</li></ul>	ot tiles is b) Mangalore tiles		d)	Hand tiles
	Part	В		
Answer any ten questions	in one or two sentences	;		$10 \times 3 = 30$
Note : Question No 25 is C	Compulsory			
<ul> <li>16. Define centre line.</li> <li>17. What are the uses of</li> <li>18. What do you mean b</li> <li>19. What are the physica</li> <li>20. State the importance</li> <li>21. Write short notes on</li> <li>22. What is meant by nat</li> <li>23. Define lime mortar.</li> <li>24. What are the method</li> <li>25. List any three types of</li> <li>26. State the types of stai</li> <li>27. List the types of truss</li> <li>28. Mention the types of</li> </ul>	y 'Dimension text' ? l classification of rock of 'Alumina' in brick hollow block. tural cement ? ls of seasoning of timl of locks. rcases according to th sed roofs.	earth.		
	Part	C		
	1	C		
Answer any five questions		C		5 × 5 = 25
Answer any five questions Note : Question No 30 is C	in brief	C		5 × 5 = 25
· · ·	<i>in brief</i> <i>Compulsory</i> ands used in Auto CA f bricks ? artificial cement. timber in constructio f shallow foundations aces between lintels ar	AD. n ? ?		5 × 5 = 25
Note : Question No 30 is C 29. Name any five comm 30. What are the types of 31. List any five types of 32. What are the uses of 33. What are the types of 34. What are the differen	<i>in brief</i> <i>Compulsory</i> ands used in Auto CA f bricks ? artificial cement. timber in constructio f shallow foundations aces between lintels ar	AD. n ? ? nd arches ?		5 × 5 = 25
Note : Question No 30 is C 29. Name any five comm 30. What are the types of 31. List any five types of 32. What are the uses of 33. What are the types of 34. What are the differen	<i>in brief</i> <i>Compulsory</i> ands used in Auto CA f bricks ? artificial cement. timber in constructio f shallow foundations aces between lintels ar f mortar. <b>Part</b>	AD. n ? ? nd arches ?		$5 \times 5 = 25$ $2 \times 10 = 20$
<i>Note : Question No 30 is C</i> 29. Name any five comm 30. What are the types of 31. List any five types of 32. What are the uses of 33. What are the types of 34. What are the differen 35. Write any five uses of	<i>in brief</i> <i>Compulsory</i> ands used in Auto CA f bricks ? artificial cement. timber in constructio f shallow foundations aces between lintels ar f mortar. <b>Part</b> <i>s in detail</i> uare and Drawing per	AD. n ? ? nd arches ? <b>D</b> acils with sketch.		
<ul> <li>Note : Question No 30 is C</li> <li>29. Name any five comm</li> <li>30. What are the types of</li> <li>31. List any five types of</li> <li>32. What are the uses of</li> <li>33. What are the types of</li> <li>34. What are the different</li> <li>35. Write any five uses of</li> </ul> Answer all the questions 36. Explain about Setsque	<i>in brief</i> <i>Compulsory</i> ands used in Auto CA f bricks ? artificial cement. timber in constructio f shallow foundations aces between lintels ar f mortar. <b>Part</b> <i>s in detail</i> uare and Drawing per	AD. n ? ? nd arches ? <b>D</b> acils with sketch. pr)	onry.	
<ul> <li>Note : Question No 30 is C</li> <li>29. Name any five comm</li> <li>30. What are the types of</li> <li>31. List any five types of</li> <li>32. What are the uses of</li> <li>33. What are the types of</li> <li>34. What are the different</li> <li>35. Write any five uses of</li> </ul> Answer all the questions 36. Explain about Setsque	<i>in brief</i> <i>Compulsory</i> ands used in Auto CA f bricks ? artificial cement. timber in constructio f shallow foundations aces between lintels ar f mortar. <b>Part</b> <i>s in detail</i> uare and Drawing per (ces between stone ma or with sketch.	AD. n ? ? nd arches ? <b>D</b> acils with sketch. br) sonry and brick maso	onry.	
<ul> <li>Note : Question No 30 is C</li> <li>29. Name any five comm</li> <li>30. What are the types of</li> <li>31. List any five types of</li> <li>32. What are the uses of</li> <li>33. What are the types of</li> <li>34. What are the different</li> <li>35. Write any five uses of</li> <li>Answer all the questions</li> <li>36. Explain about Setsque</li> <li>Tabulate the different</li> <li>37. Explain revolving do</li> </ul>	<i>in brief</i> <i>Compulsory</i> ands used in Auto CA f bricks ? artificial cement. timber in constructio f shallow foundations aces between lintels ar f mortar. <b>Part</b> <i>s in detail</i> uare and Drawing per (ces between stone ma or with sketch.	AD. n ? ? nd arches ? <b>D</b> ncils with sketch. or) sonry and brick maso pr)	onry.	