

PREVIEW QUESTION BANK(Dual)

Module Name : Junior Engineer Civil  
Exam Date : 27-Mar-2021    Batch : 16:00-18:00

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	1	<p>The regulatory authority of stock exchange market in India, 'SEBI' is an acronym of _____.</p> <p>A1 : Security and Exchange Board of India</p> <p>A2 : Securities and Export Board of India</p> <p>A3 : Securities and Exchange Bureau of India</p> <p>A4 : <b>Securities and Exchange Board of India – (Correct Alternative)</b></p>	1.0	0.25
Objective Question				
2	2	<p>When did India and Pakistan conduct nuclear test?</p> <p>A1 : <b>1998 – (Correct Alternative)</b></p> <p>A2 : 2000</p> <p>A3 : 1979</p> <p>A4 : 1990</p>	1.0	0.25
Objective Question				
3	3	<p>Who coined the famous slogan: "One caste, One religion, One God for mankind"?</p> <p>A1 : Chattampi Swamikal</p> <p>A2 : Kumaran Asan</p> <p>A3 : Jyotirao Phule</p> <p>A4 : <b>Sri Narayana Guru – (Correct Alternative)</b></p>	1.0	0.25
Objective Question				
4	4	<p>Which of the following productions refers to 'Silver Revolution' in Indian Economy?</p> <p>A1 : Fertilizer</p> <p>A2 : Potato</p> <p>A3 : <b>Egg – (Correct Alternative)</b></p>	1.0	0.25

		<div><div></div><div>A4 Cotton</div></div>		
Objective Question				
5	5	<div>Which of the following taxes does not fall under 'Direct Tax'?</div> <div><div>A1 Corporate Tax</div><div>A2 Property Tax</div><div>A3 Income Tax</div><div>A4 Entertainment Tax – (Correct Alternative)</div></div>	1.0	0.25
Objective Question				
6	6	<div>The Earth Summit was held in which year?</div> <div><div>A1 1975</div><div>A2 1993</div><div>A3 1992 – (Correct Alternative)</div><div>A4 1998</div></div>	1.0	0.25
Objective Question				
7	7	<div>Recently, who has been appointed as the 1<sup>st</sup> Chairman of the International Financial Services Centre Authority (IFSCA)?</div> <div><div>A1 Injeti Srinivas – (Correct Alternative)</div><div>A2 Suresh Chandra Sharma</div><div>A3 Harish Pillai</div><div>A4 Shashank</div></div>	1.0	0.25
Objective Question				
8	8	<div>Which Union territory in India shares Maritime International border with Maldives?</div> <div><div>A1 Ladakh</div><div>A2 Dadra and Nagar Haveli</div><div>A3 Lakshadweep – (Correct Alternative)</div><div>A4 Daman and Diu</div></div>	1.0	0.25

Objective Question				
9	9	<p>Who has won the award for 'Test Cricketer of the Year' in ICC annual awards 2019?</p> <p>A1 Virat Kohli :</p> <p>A2 Mitchell Marsh :</p> <p>A3 Aaron Finch :</p> <p>A4 Pat Cummins – (Correct Alternative) :</p>	1.0	0.25
Objective Question				
10	10	<p>Who has been elected as the New World Squash Federation (WSF) President ?</p> <p>A1 Zena Wooldridge – (Correct Alternative) :</p> <p>A2 Peter Dawson :</p> <p>A3 Kuldeep Handoo :</p> <p>A4 Annika Sorenstam :</p>	1.0	0.25
Objective Question				
11	11	<p>Fill in the blank with the appropriate article a, an, or the, or select the option ‘No article’ if no article is needed. She has _____ good friend who lives near her town.</p> <p>A1 a – (Correct Alternative) :</p> <p>A2 an :</p> <p>A3 the :</p> <p>A4 No article :</p>	1.0	0.25
Objective Question				
12	12	<p>Fill in the blank with the appropriate article a, an, or the, or select the option ‘No article’ if no article is needed. _____ companies you work with are worth over 300 million dollars.</p> <p>A1 A :</p> <p>A2 An :</p> <p>A3 The – (Correct Alternative) :</p> <p>A4 No article :</p>	1.0	0.25
Objective Question				
13	13	<p>Complete the sentence with appropriate prepositions. The railway track _____ the river was recently closed due to Waterlogging.</p>	1.0	0.25

		<div>A1 by :</div> <div>A2 for :</div> <div>A3 along – (Correct Alternative) :</div> <div>A4 between :</div>		
Objective Question				
14	14	<div>Complete the sentence with appropriate prepositions. The bus got out of control and broke _____ the barricade.</div> <div>A1 for :</div> <div>A2 according to :</div> <div>A3 since :</div> <div>A4 through – (Correct Alternative) :</div>	1.0	0.25
Case Study from Question No. 16 to Question No. 18				
15	15	<div><b>Read the following passage and answer the questions that follow.</b> After holding itself back on three occasions, the World Health Organization has declared the Ebola virus disease outbreak in the Democratic Republic of the Congo a Public Health Emergency of International Concern. The outbreak in Congo, officially declared on August 1, 2018, has killed nearly 1,700 people and made more than 2,500 people ill. While cases in other areas are reducing, Beni is the new hotspot. The announcement of the health emergency comes amid renewed concerns that the virus could spread to other countries. A single imported case of Ebola in Goma, a city in Congo with two million people and with an international airport bordering Rwanda, served as a trigger to finally declare a global emergency. Surprisingly, the spread to neighbouring Uganda last month did not seem to change the way the WHO assessed the situation. Even when a handful of Ebola cases were confirmed in Uganda, all the infected people had travelled from Congo and there had been no local transmission or spread within Uganda — one of the criteria used by the WHO to assess if an outbreak is a global emergency. This is the fifth time that the WHO has declared a global emergency. The earlier occasions were in February 2016 for Zika outbreaks in the Americas, August 2014 for Ebola outbreaks in western Africa, the spread of polio in May 2014, and the H1N1 pandemic in April 2009. Declaring an event as a global emergency is meant to stop the spread of the pathogen to other countries and to ensure a coordinated international response. There have been several challenges in interrupting the virus transmission cycle and containing the spread — reluctance in the community, attacks on health workers, delays in case-detection and isolation, and challenges in contact-tracing. But compared with the situation during 2014-2016, the availability of a candidate vaccine has greatly helped. Though the vaccine has not been licensed in any country, the ring vaccination strategy where people who come into contact with infected people, as well as the contacts of those contacts are immunised, has helped . Of the nearly 94,000 people at risk who were vaccinated till March 25, 2019, only 71 got infected compared with 880 unvaccinated who got infected. The vaccine had 97.5% efficacy; a majority of those who got infected despite being vaccinated were high-risk contacts. Owing to vaccine shortage, the WHO’s expert group on immunisation has recommended reducing the individual dose to meet the demand. What is equally important is for the G7 countries to fulfil their promise to the WHO to contain the spread. The agency received only less than half of the \$100 million that was requested to tackle the crisis. The global emergency now declared may probably bring in the funding.</div>	3.0	0.75
16	16	<div>Which of the following situations is most similar to the situation described in the paragraph?</div> <div>A1 Rabies virus causes 55,000 human deaths each year :</div> <div>A2 Cancer kills mostly older people :</div> <div>A3 SARS affected 26 countries and resulted in more than 8000 cases in 2003 – (Correct Alternative) :</div> <div>A4 None of the above :</div>	1.0	0.25
17	17	<div>What has been suggested by WHO's expert group to deal with vaccine shortage?</div> <div>A1 Seek help from other countries :</div>	1.0	0.25

		<div>A2 : Stop the vaccination for the people who can't pay</div> <div>A3 : Limit the number of persons</div> <div>A4 : Reduce the individual dose – (Correct Alternative)</div>		
18	18	<div>Which of the following viruses attacked America in 2016 as per the given passage?</div> <div>A1 : Rubella</div> <div>A2 : Zika – (Correct Alternative)</div> <div>A3 : Corona</div> <div>A4 : Ebola</div>	1.0	0.25
Objective Question				
19	19	<div>Choose the word which best expresses the similar <b>meaning</b> of the given word " ENCOMIUM ".</div> <div>A1 : Blame</div> <div>A2 : Censure</div> <div>A3 : Continue</div> <div>A4 : Compliment – (Correct Alternative)</div>	1.0	0.25
Objective Question				
20	20	<div>Find the suitable antonym for the given word " ACCLAIM ".</div> <div>A1 : Admire</div> <div>A2 : Push</div> <div>A3 : Blame – (Correct Alternative)</div> <div>A4 : Cheer</div>	1.0	0.25
Objective Question				
21	21	<div>Choose the one which can be substituted for the given word/sentence.</div> <div>One who possesses outstanding technical ability in a particular art or field.</div> <div>A1 : Virtuoso – (Correct Alternative)</div> <div>A2 : Introvert</div> <div>A3 : Mercenary</div>	1.0	0.25

		<div>:</div> <div>A4 Polyglot</div> <div>:</div>		
Objective Question				
22	22	<div> <div>If eigen values and the corresponding eigen vectors of a 2x2 matrix are given by <math>\lambda_1 = 8, x_1 = \begin{bmatrix} 1 \\ 1 \end{bmatrix}</math> and <math>\lambda_2 = 4, x_1 = \begin{bmatrix} 1 \\ -1 \end{bmatrix}</math>, then the matrix is</div> <div> <div>A1</div> <div>:</div> <div><math>\begin{bmatrix} 4 &amp; 6 \\ 6 &amp; 4 \end{bmatrix}</math></div> </div> <div> <div>A2</div> <div>:</div> <div><math>\begin{bmatrix} 6 &amp; 2 \\ 2 &amp; 6 \end{bmatrix}</math></div> <div>– (Correct Alternative)</div> </div> <div> <div>A3</div> <div>:</div> <div><math>\begin{bmatrix} 2 &amp; 4 \\ 4 &amp; 2 \end{bmatrix}</math></div> </div> <div> <div>A4</div> <div>:</div> <div><math>\begin{bmatrix} 4 &amp; 8 \\ 8 &amp; 4 \end{bmatrix}</math></div> </div> </div>	1.0	0.25
Objective Question				
23	23	<div>The centre of curvature of <math>y^2 = 4x</math> at (1,2) is</div> <div> <div>A1</div> <div>:</div> <div>(5, –2)</div> <div>– (Correct Alternative)</div> </div> <div> <div>A2</div> <div>:</div> <div>(–5,2)</div> </div> <div> <div>A3</div> <div>:</div> <div>(–5, –2)</div> </div> <div> <div>A4</div> <div>:</div> <div>(5,2)</div> </div>	1.0	0.25
Objective Question				
24	24	<div>The value of <math>\lim_{(x,y) \rightarrow (1,2)} \frac{x^2+y}{3x+y^2}</math> is</div> <div> <div>A1</div> <div>:</div> <div><math>\frac{1}{7}</math></div> </div> <div> <div>A2</div> <div>:</div> <div><math>\frac{2}{7}</math></div> </div> <div> <div>A3</div> <div>:</div> <div><math>\frac{3}{7}</math></div> <div>– (Correct Alternative)</div> </div> <div> <div>A4</div> <div>:</div> <div><math>\frac{4}{7}</math></div> </div>	1.0	0.25
Objective Question				
25	25	<div>By changing the order of integration, <math>\int_0^1 \int_{y^2}^{y^{\frac{1}{3}}} f(x,y) dx dy =</math></div>	1.0	0.25

		<p>A1 : <math>\int_0^2 \int_{x^3}^{\sqrt{x}} f(x,y)dydx</math></p> <p>A2 : <math>\int_{-1}^1 \int_{x^3}^{\sqrt{x}} f(x,y)dydx</math></p> <p>A3 : <math>\int_0^1 \int_0^{\sqrt{x}} f(x,y)dydx</math></p> <p>A4 : <math>\int_0^1 \int_{x^3}^{\sqrt{x}} f(x,y)dydx</math> – (Correct Alternative)</p>		
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Objective Question				
26	26	<p>The Particular integral of <math>(D^2 + 6D + 5)y = cosh2x</math> is</p> <p>A1 : <math>\frac{e^{2x}}{42} - \frac{e^{-2x}}{6}</math> – (Correct Alternative)</p> <p>A2 : <math>\frac{e^{2x}}{42} + \frac{e^{-2x}}{6}</math></p> <p>A3 : <math>\frac{e^{2x}}{21} - \frac{e^{-2x}}{3}</math></p> <p>A4 : <math>\frac{e^{2x}}{21} + \frac{e^{-2x}}{3}</math></p>	1.0	0.25

Objective Question				
27	27	<p>The value of <math>\int_c \frac{z^2+1}{z^2-1} dz</math>, where c is the circle <math> z - 1  = 1</math> is</p> <p>A1 : 0</p> <p>A2 : <math>2\pi i</math> – (Correct Alternative)</p> <p>A3 : <math>\pi i</math></p> <p>A4 : <math>-\pi i</math></p>	1.0	0.25

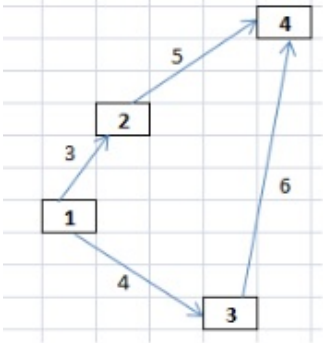
Objective Question				
28	28	<p>The inverse Laplace transform of <math>L^{-1} \left\{ \frac{s-1}{s^2-2s+5} \right\}</math> is</p> <p>A1 : <math>e^{-t} \sin 2t</math></p> <p>A2 : <math>e^t \sin 2t</math></p> <p>A3</p>	1.0	0.25

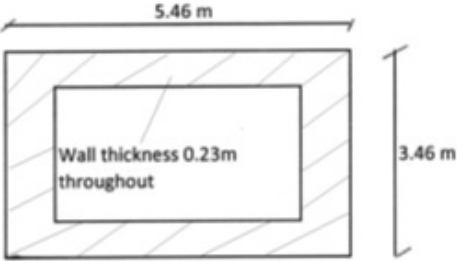
		<div><div><div><div>:</div><div><math>e^t \cos 2t</math></div></div><div>– (Correct Alternative)</div></div><div><div>A4</div><div><math>e^{-t} \cos 2t</math></div></div></div>		
Objective Question				
29	29	<div><div>The value of <math>b_n</math> in the expansion of <math>x^2</math> as a Fourier series in <math>(-\pi, \pi)</math> is</div><div><div>A1</div><div>:</div><div><math>b_n = 0</math></div><div>– (Correct Alternative)</div></div><div><div>A2</div><div>:</div><div><math>\frac{2\pi}{3}</math></div></div><div><div>A3</div><div>:</div><div><math>-\frac{\pi}{3}</math></div></div><div><div>A4</div><div>:</div><div><math>\frac{\pi}{3}</math></div></div></div>	1.0	0.25
Objective Question				
30	30	<div><div>The Fourier cosine transform of <math>e^{-3x}</math> is</div><div><div>A1</div><div>:</div><div><math>\sqrt{\frac{2}{\pi}} \left[ \frac{s}{s^2 - 3^2} \right]</math></div></div><div><div>A2</div><div>:</div><div><math>\sqrt{\frac{2}{\pi}} \left[ \frac{3}{s^2 - 3^2} \right]</math></div></div><div><div>A3</div><div>:</div><div><math>\sqrt{\frac{2}{\pi}} \left[ \frac{s}{s^2 + 3^2} \right]</math></div></div><div><div>A4</div><div>:</div><div><math>\sqrt{\frac{2}{\pi}} \left[ \frac{3}{s^2 + 3^2} \right]</math></div><div>– (Correct Alternative)</div></div></div>	1.0	0.25
Objective Question				
31	31	<div><div>The complementary function of <math>z = px + qy + 2\sqrt{pq}</math> is</div><div><div>A1</div><div>:</div><div><math>z = ax - by + 2\sqrt{ab}</math></div></div><div><div>A2</div><div>:</div><div><math>z = ax + by + 2\sqrt{ab}</math></div><div>– (Correct Alternative)</div></div><div><div>A3</div><div>:</div><div><math>z = bx + ay + 2\sqrt{ab}</math></div></div><div><div>A4</div><div>:</div><div></div></div></div>	1.0	0.25



		<div><div></div><div><math display="block">z = bx - ay + 2\sqrt{ab}</math></div></div>		
Objective Question				
32	32	<div><div>A beam AB has an influence line for bending moment at a section X is as shown in the figure. If a long uniformly distributed load of 2.5kN/m crosses the span, the maximum bending moment at X</div><div></div><div><div>A1</div><div>:</div><div>5 kNm</div></div><div><div>A2</div><div>:</div><div>15 kNm</div></div><div><div>A3</div><div>:</div><div>25 kNm – (Correct Alternative)</div></div><div><div>A4</div><div>:</div><div>50 kNm</div></div></div>	1.0	0.25
Objective Question				
33	33	<div><div>In a fixed beam member AB, if a moment of -10 kNm is applied at A, what is the moment carried over to B?</div><div><div>A1</div><div>:</div><div>-5 kNm – (Correct Alternative)</div></div><div><div>A2</div><div>:</div><div>+5 kNm</div></div><div><div>A3</div><div>:</div><div>-2.5 kNm</div></div><div><div>A4</div><div>:</div><div>+2.5 kNm</div></div></div>	1.0	0.25
Objective Question				
34	34	<div><div>For a stable structure, the elements of the main diagonal of the flexibility matrix are</div><div><div>A1</div><div>:</div><div>Negative</div></div><div><div>A2</div><div>:</div><div>Positive – (Correct Alternative)</div></div><div><div>A3</div><div>:</div><div>Unity</div></div><div><div>A4</div><div>:</div><div>Zero</div></div></div>	1.0	0.25
Objective Question				
35	35	<div><div>A suspension cable having the supports at the same level, has a span of 30m and a maximum central dip of 2m. If the cable is loaded with a udl of 10 kN/m throughout its length, the horizontal pull in the cable is</div><div><div>A1</div><div>:</div><div>12.5 kN</div></div><div><div>A2</div><div>:</div><div>37.5 kN</div></div></div>	1.0	0.25

		<div>A3 562.5 kN – (Correct Alternative) :</div> <div>A4 750 kN :</div>		
Objective Question				
36	36	<div>The plans which are designed to accomplish a specific objective within a relatively short period of time, is</div> <div>A1 Single use plan – (Correct Alternative) :</div> <div>A2 Standing plan :</div> <div>A3 Strategic plan :</div> <div>A4 Administrative plan :</div>	1.0	0.25
Objective Question				
37	37	<div>The test which is performed to determine the suitability of a stone for its use in engineering works, is</div> <div>A1 Efflorescence test :</div> <div>A2 Attrition test – (Correct Alternative) :</div> <div>A3 Soundness test :</div> <div>A4 Ductility test :</div>	1.0	0.25
Objective Question				
38	38	<div>Excess of silica in clay for bricks</div> <div>A1 Improves impermeability and durability of bricks :</div> <div>A2 Results in deep red colour on bricks :</div> <div>A3 Makes the brick hard and sound :</div> <div>A4 Makes the bricks crack and warp on drying – (Correct Alternative) :</div>	1.0	0.25
Objective Question				
39	39	<div>As per IS 456:200, the modulus of elasticity of M25 concrete is</div> <div>A1 250 Mpa :</div> <div>A2 2500 Mpa :</div> <div>A3 25000 Mpa – (Correct Alternative) :</div> <div>A4 27500 Mpa :</div>	1.0	0.25

Objective Question				
40	40	<p>The earliest event occurrence time of activity 4, is</p>  <p>A1 8 :</p> <p>A2 12 :</p> <p><b>A3 10 – (Correct Alternative)</b> :</p> <p>A4 18 :</p>	1.0	0.25

Objective Question				
41	41	<p>A compound wall has to be constructed along the boundary as shown. The total length of walls to be constructed is</p>  <p>A1 16 m :</p> <p><b>A2 16.92 m – (Correct Alternative)</b> :</p> <p>A3 17.44 m :</p> <p>A4 17.84 m :</p>	1.0	0.25

Objective Question				
42	42	<p>The capacity of doing a work by an artisan or skilled labour in the form of quantity per day is known as</p> <p>A1 Rate of the labour :</p> <p><b>A2 Out-turn of the labour – (Correct Alternative)</b> :</p> <p>A3 Efficiency of the labour :</p> <p>A4 Skill of the labour :</p>	1.0	0.25

Objective Question				
43	43	<p>While preparing the estimate, the damp proof course is measured in</p> <p>A1 Cubic metre :</p>	1.0	0.25

		<div>A2 Square metre – (Correct Alternative) :</div> <div>A3 Running Metre :</div> <div>A4 Lumpsum :</div>		
Objective Question				
44	44	<div>A soil has a liquid limit of 46% and plasticity index of 26%. The plastic limit of the soil will be</div> <div>A1 10% :</div> <div>A2 15% :</div> <div>A3 20% – (Correct Alternative) :</div> <div>A4 25% :</div>	1.0	0.25
Objective Question				
45	45	<div>The ratio of volume of air to the volume of voids is called as</div> <div>A1 Air content – (Correct Alternative) :</div> <div>A2 Percentage of air voids :</div> <div>A3 Degree of saturation :</div> <div>A4 Porosity :</div>	1.0	0.25
Objective Question				
46	46	<div>In a two layer soil sytem, the top and bottom soil are of the same thickness, but the coefficient of permeability of the top soil is four times that of the bottom soil, which is "k". When a horizontal flow occurs, the equivalent coefficient of permeability of the system will be</div> <div>A1 2 k :</div> <div>A2 2.5 k – (Correct Alternative) :</div> <div>A3 4 k :</div> <div>A4 5 k :</div>	1.0	0.25
Objective Question				
47	47	<div>A soil sample weighing 23 g was oven dried for 24 hours at a temperature of 100 degree C. Weight of the dry sample was found as 20 g. The water content of the soil is</div> <div>A1 15% – (Correct Alternative) :</div> <div>A2 1.5% :</div>	1.0	0.25

		<div>A30.15% :</div> <div>A487% :</div>		
Objective Question				
48	48	<div>The vertical stress at some depth below the corner of a 3m x 3m rectangular footing due to a certain load intensity is 40 kN/m<sup>2</sup>. What will be the vertical stress below the center of a 6m x 6m rectangular footing at the same depth and same load intensity?</div> <div>A140 kN/m<sup>2</sup> :</div> <div>A280 kN/m<sup>2</sup> :</div> <div>A3120 kN/m<sup>2</sup> :</div> <div>A4160 kN/m<sup>2</sup> – (Correct Alternative) :</div>	1.0	0.25
Objective Question				
49	49	<div>In the water treatment process, alum acts as a</div> <div>A1Catalyst :</div> <div>A2Coagulant – (Correct Alternative) :</div> <div>A3Floculent :</div> <div>A4Disinfectant :</div>	1.0	0.25
Objective Question				
50	50	<div>Heavy settleable inorganic solids are removed in</div> <div>A1Septic tanks :</div> <div>A2Imhoff tanks :</div> <div>A3Oxidation ponds :</div> <div>A4Detritius tanks – (Correct Alternative) :</div>	1.0	0.25
Objective Question				
51	51	<div>As per IS 1742:1960, the recommended spacing of manholes on straight reaches of sewer pipes of diameter upto 0.3m, is</div> <div>A145 m – (Correct Alternative) :</div> <div>A275 m :</div> <div>A390 m :</div> <div>A4120 m</div>	1.0	0.25

		:		
Objective Question				
52	52	<p>A nutrient largely contained in industrial as well as domestic waste waters, which affects the water quality of lakes, is</p> <p>A1 Carbon :</p> <p>A2 Oxygen :</p> <p>A3 Ferrous :</p> <p>A4 Phosphorous – (Correct Alternative) :</p>	1.0	0.25
Objective Question				
53	53	<p>An example for biodegradable waste is</p> <p>A1 Polythene bags :</p> <p>A2 Food waste – (Correct Alternative) :</p> <p>A3 Synthetic fibre :</p> <p>A4 Glass :</p>	1.0	0.25
Objective Question				
54	54	<p>A channel with constant bed slope and the same cross section along its length is known as</p> <p>A1 Natural channel :</p> <p>A2 Artificial channel :</p> <p>A3 Prismatic channel – (Correct Alternative) :</p> <p>A4 Closed channel :</p>	1.0	0.25
Objective Question				
55	55	<p>If two centrifugal pumps are connected in series which has quantity of discharges as Q1 &amp; Q2 respectively, then the total discharge, Q is</p> <p>A1 <math>Q = Q1 - Q2</math> :</p> <p>A2 <math>Q = Q1 + Q2</math> :</p> <p>A3 <math>Q = Q1 \times Q2</math> :</p> <p>A4 <math>Q1 = Q2 = Q</math> – (Correct Alternative) :</p>	1.0	0.25
Objective Question				
56	56	<p>The opening provided at the body of the dam to discharge the excess water safely, is known as</p>	1.0	0.25

		<div><div>A1</div><div>:</div><div>Canals</div></div> <div><div>A2</div><div>:</div><div>Spillways – (Correct Alternative)</div></div> <div><div>A3</div><div>:</div><div>Weir</div></div> <div><div>A4</div><div>:</div><div>Barrage</div></div>		
Objective Question				
57	57	<div>The total area of land acquired for the road along its alignment is called</div> <div><div>A1</div><div>:</div><div>Right of way – (Correct Alternative)</div></div> <div><div>A2</div><div>:</div><div>Carriage way</div></div> <div><div>A3</div><div>:</div><div>Median</div></div> <div><div>A4</div><div>:</div><div>Island</div></div>	1.0	0.25
Objective Question				
58	58	<div>If the design speed of a vehicle is 'V' kmph and 't' is the total reaction time of the driver in seconds, then the 'Lag distance in meters' is</div> <div><div>A1</div><div>:</div><div>27.8 Vt</div></div> <div><div>A2</div><div>:</div><div>2.78 Vt</div></div> <div><div>A3</div><div>:</div><div>0.278 Vt – (Correct Alternative)</div></div> <div><div>A4</div><div>:</div><div>0.0278 Vt</div></div>	1.0	0.25
Objective Question				
59	59	<div>The flexural strength of rigid pavements when compared to flexible pavement is</div> <div><div>A1</div><div>:</div><div>Very low</div></div> <div><div>A2</div><div>:</div><div>Very high – (Correct Alternative)</div></div> <div><div>A3</div><div>:</div><div>Negligibly small</div></div> <div><div>A4</div><div>:</div><div>The same</div></div>	1.0	0.25
Objective Question				
60	60	<div>One of the best flexible pavement material for highways, is</div> <div><div>A1</div><div>:</div><div>Ferrocement</div></div> <div><div>A2</div><div>:</div><div>Reinforced cement concrete</div></div>	1.0	0.25

		<div>A3 Portland cement concrete</div> <div>A4 Bituminous concrete – (Correct Alternative)</div>		
Objective Question				
61	61	<div>The required physical, organizational, administrative and cultural environments that supports GIS opeations is referred as</div> <div>A1 Infrastructure – (Correct Alternative)</div> <div>A2 Software</div> <div>A3 Data</div> <div>A4 System</div>	1.0	0.25
Objective Question				
62	62	<div>In GIS, _____ means that an object of a class can be created from an object of another class</div> <div>A1 Association</div> <div>A2 Instantiation – (Correct Alternative)</div> <div>A3 Aggregation</div> <div>A4 Composition</div>	1.0	0.25
Objective Question				
63	63	<div>Which city adopted the 'Finger plan' for the extension?</div> <div>A1 Chennai</div> <div>A2 Mumbai</div> <div>A3 New Delhi</div> <div>A4 Copenhagen – (Correct Alternative)</div>	1.0	0.25
Objective Question				
64	64	<div>In the urban planning, the sewerage is estimated at the rate of _____ of the water supply in that area.</div> <div>A1 85%</div> <div>A2 80% – (Correct Alternative)</div> <div>A3 70%</div> <div>A4 50%</div>	1.0	0.25



Objective Question				
65	65	<div>The quest to maximize profitability is constrained by</div> <div>A1 : Less expectations</div> <div>A2 : Stack holders</div> <div>A3 : Unethical obligations</div> <div>A4 : Ethical obligations – (Correct Alternative)</div>	1.0	0.25
Objective Question				
66	66	<div>Face the responsibilities upon telling truth is</div> <div>A1 : Truthfulness – (Correct Alternative)</div> <div>A2 : Caring</div> <div>A3 : Sharing</div> <div>A4 : Beliefs</div>	1.0	0.25
Objective Question				
67	67	<div>One of the main reasons of valuation is</div> <div>A1 : Checking the encumbrance</div> <div>A2 : Security for loans – (Correct Alternative)</div> <div>A3 : Checking the durability</div> <div>A4 : Checking the quality</div>	1.0	0.25
Objective Question				
68	68	<div>Which of the following is not an element of value?</div> <div>A1 : Utility</div> <div>A2 : Scarcity</div> <div>A3 : Scalability – (Correct Alternative)</div> <div>A4 : Demand</div>	1.0	0.25
Objective Question				
69	69	<div>One of the functions of building design codes, is</div> <div>A1 : It provides detailed estimate</div>	1.0	0.25

		<div>A2 : It provides detailed planning</div> <div>A3 : It provides reconnaissance survey</div> <div>A4 : It protects the designer if designed as per code guidelines – (Correct Alternative)</div>		
Objective Question				
70	70	<div>One of the assumption of the working stress method of design is, the tensile strain in steel reinforcement is _____ the tensile strain in concrete surrounding the steel</div> <div>A1 : Equal to – (Correct Alternative)</div> <div>A2 : Less than</div> <div>A3 : More than</div> <div>A4 : Twice that of</div>	1.0	0.25
Objective Question				
71	71	<div>A reinforced concrete beam of size 300 mm x 400 mm effective depth was cast using M20 concrete and Fe4 15 steel. As per limit state method of design, the maximum depth of neutral axis is</div> <div>A1 : 144 mm</div> <div>A2 : 192mm – (Correct Alternative)</div> <div>A3 : 200 mm</div> <div>A4 : 400 mm</div>	1.0	0.25
Objective Question				
72	72	<div>A RCC beam of size 300mm x 450 mm (overall depth) is subjected to a shear force of 20kN and a torque of 9 kNm. The equivalent shear force is</div> <div>A1 : 22 kN</div> <div>A2 : 44 kN</div> <div>A3 : 64 kN</div> <div>A4 : 68 kN – (Correct Alternative)</div>	1.0	0.25
Objective Question				
73	73	<div>The minimum number of longitudinal bars to be provided in a 350 mm square column is</div> <div>A1 : 8</div> <div>A2 : 6</div>	1.0	0.25

		<div><div>A3</div><div>:</div><div>4 – (Correct Alternative)</div></div>		
		<div><div>A4</div><div>:</div><div>2</div></div>		
Objective Question				
74	74	<div><div>A1</div><div>:</div><div>35 mm</div></div> <div><div>A2</div><div>:</div><div>30 mm</div></div> <div><div>A3</div><div>:</div><div>31 mm – (Correct Alternative)</div></div> <div><div>A4</div><div>:</div><div>32 mm</div></div>	1.0	0.25
Objective Question				
75	75	<div><div>A1</div><div>:</div><div>1500 kN</div></div> <div><div>A2</div><div>:</div><div>1000 kN</div></div> <div><div>A3</div><div>:</div><div>1320 kN</div></div> <div><div>A4</div><div>:</div><div>1200 kN – (Correct Alternative)</div></div>	1.0	0.25
Objective Question				
76	76	<div><div>A1</div><div>:</div><div>5.63 kN</div></div> <div><div>A2</div><div>:</div><div>11.25 kN – (Correct Alternative)</div></div> <div><div>A3</div><div>:</div><div>22.5 kN</div></div> <div><div>A4</div><div>:</div><div>45 kN</div></div>	1.0	0.25
Objective Question				
77	77	<div><div>A1</div><div>:</div><div>300°</div></div> <div><div>A2</div><div>:</div><div>150°</div></div> <div><div>A3</div><div>:</div><div>240° – (Correct Alternative)</div></div> <div><div>A4</div><div>:</div><div>330°</div></div>	1.0	0.25

Objective Question				
78	78	<p>By using a dumpy level, the staff reading on the floor of a portico was obtained as 1.595 m and the staff held upside down against the underside of the tee beam of the portico was 3.405 m. The height of the bottom of the beam above the floor level is</p> <p>A1 : 1.810 m</p> <p>A2 : 5 m – (Correct Alternative)</p> <p>A3 : 3.405 m</p> <p>A4 : 1.595 m</p>	1.0	0.25
Objective Question				
79	79	<p>The type of sawing which gives a decorative finish due to the interply of grains, is</p> <p>A1 : Ordinary sawing</p> <p>A2 : Quarter sawing</p> <p>A3 : Tangential sawing</p> <p>A4 : Rift sawing – (Correct Alternative)</p>	1.0	0.25
Objective Question				
80	80	<p>Water from rainfall when used as a source of water supply is collected and stored in</p> <p>A1 : Underground reservoirs – (Correct Alternative)</p> <p>A2 : On the ground reservoirs</p> <p>A3 : Overhead reservoirs</p> <p>A4 : Imhoff tanks</p>	1.0	0.25
Objective Question				
81	81	<p>The fixed end moment at A(left end) for a beam AB of length 6m subjected to a udl of 20kN/m acting for the entire span,is</p> <p>A1 : -60kNm – (Correct Alternative)</p> <p>A2 : +60 kNm</p> <p>A3 : -90kNm</p> <p>A4 : +90kNm</p>	1.0	0.25
Objective Question				
82	82	<p>Who invented tabulator which is used to punch cards to process statistical information?</p>	1.0	0.25

		<div><div>A1</div><div>:</div><div>Ada lovelace</div></div> <div><div>A2</div><div>:</div><div>Herman Hollerith – (Correct Alternative)</div></div> <div><div>A3</div><div>:</div><div>Alan Turing</div></div> <div><div>A4</div><div>:</div><div>Mary Henry</div></div>		
Objective Question				
83	83	<div>Main memory is a _____ storage device that loses its contents when power is turned off.</div> <div><div>A1</div><div>:</div><div>Volatile – (Correct Alternative)</div></div> <div><div>A2</div><div>:</div><div>Permanent</div></div> <div><div>A3</div><div>:</div><div>Magnetic</div></div> <div><div>A4</div><div>:</div><div>Transistor</div></div>	1.0	0.25
Objective Question				
84	84	<div>Which technology allows storage across multiple clusters and networks?</div> <div><div>A1</div><div>:</div><div>Distributed Area Networks</div></div> <div><div>A2</div><div>:</div><div>Internet Storage Networks</div></div> <div><div>A3</div><div>:</div><div>Database Area Networks</div></div> <div><div>A4</div><div>:</div><div>Storage Area Networks – (Correct Alternative)</div></div>	1.0	0.25
Objective Question				
85	85	<div>Data on the Internet are sent and received in _____.</div> <div><div>A1</div><div>:</div><div>Database</div></div> <div><div>A2</div><div>:</div><div>Protocols</div></div> <div><div>A3</div><div>:</div><div>Packets – (Correct Alternative)</div></div> <div><div>A4</div><div>:</div><div>Host</div></div>	1.0	0.25
Objective Question				
86	86	<div>_____ in computer memory has the ability to mark an entry through a special value of protection bits.</div> <div><div>A1</div><div>:</div><div>Page table – (Correct Alternative)</div></div> <div><div>A2</div><div>:</div><div>Host table</div></div>	1.0	0.25

		<div>A3 OS table :</div> <div>A4 Kernel table :</div>		
Objective Question				
87	87	<div>_____ function is used to determine how many cells in a range contain a numeric entry.</div> <div>A1 SUM :</div> <div>A2 CALC :</div> <div>A3 COUNT – (Correct Alternative) :</div> <div>A4 TOTAL :</div>	1.0	0.25
Objective Question				
88	88	<div>To prevent Excel from changing the cell references in a formula, you need to place _____ sign in front of the column letter.</div> <div>A1 + :</div> <div>A2 * :</div> <div>A3 &amp; :</div> <div>A4 \$ – (Correct Alternative) :</div>	1.0	0.25
Objective Question				
89	89	<div>You can use _____ function to calculate the payment for a loan based on constant payment and constant interest rate.</div> <div>A1 CALC :</div> <div>A2 PMT – (Correct Alternative) :</div> <div>A3 LOAN :</div> <div>A4 SUM :</div>	1.0	0.25
Objective Question				
90	90	<div>_____ encryption is based on a single key and algorithm being shared between the parties who are exchanging encrypted information.</div> <div>A1 Symmetric Key Encryption – (Correct Alternative) :</div> <div>A2 Breaking Ciphers :</div> <div>A3 Digital Signatures :</div>	1.0	0.25

		A4 Certification Authorities :		
Objective Question				
91	91	<p>_____ is an encryption program that was developed by Phil Zimmerman.</p> <p>A1 :    SHA</p> <p><b>A2 :    PGP – (Correct Alternative)</b></p> <p>A3 :    RSA</p> <p>A4 :    XSSA</p>	1.0	0.25
Objective Question				
92	92	<p>કઇ પર્યાય શબ્દોની જોડી સાચી છે?</p> <p>A1 :    ગજાનન-દશાનન</p> <p><b>A2 :    – (Correct Alternative)</b></p> <p><b>મયંક-સુધાકર</b></p> <p>A3 :    ઉછંગ- મસ્તી</p> <p>A4 :    પય-વય</p>	1.0	0.25
Objective Question				
93	93	<p>વિરુદ્ધાર્થી શબ્દોની કઇ જોડી અયોગ્ય છે?</p> <p>A1 :    કમિક X વ્યુત્ક્રમ</p> <p>A2 :    જયંતી X સંવત્સરી</p> <p>A3 :    પાશ્ચાત્ય X પૌરસ્ત્ય</p> <p><b>A4 :    – (Correct Alternative)</b></p> <p><b>રાગ X વૈરાગ</b></p>	1.0	0.25
Objective Question				
94	94	<p>આકરી મહેનત કરવી' એવો અર્થ ક્યા રુઢિપ્રયોગમાં નથી?</p> <p><b>A1 :    – (Correct Alternative)</b></p> <p><b>શિખરો સર કરવાં</b></p> <p>A2 :    વોઢાના યણા યાવવા</p> <p>A3 :    વોહીનું પાણી કરવું</p> <p>A4 :    આકાશ-પાતાળ એક કરવા</p>	1.0	0.25
Objective Question				

95	95	<p>જાત મહેનત ઝિંદાબાદ' કહેવતથી ઊલટી કહેવત કય છે?</p> <p>A1 : જમવામાં જગલો ને ફૂટવામાં ભગલો</p> <p>A2 : મન હોય તો માળવે જવાય</p> <p>A3 – (Correct Alternative) : એક હાથે તાળી ન પડે</p> <p>A4 : સંપ ત્યાં જંપ</p>	1.0	0.25
Objective Question				
96	96	<p>શબ્દકોશ પ્રમાણે સૌથી છેલ્લો શબ્દ કયો આવશે?</p> <p>A1 : જગન્નાથ</p> <p>A2 : અંજની</p> <p>A3 – (Correct Alternative) : ઝરમર</p> <p>A4 : જ્ઞાન</p>	1.0	0.25
Objective Question				
97	97	<p>ચૂડી ઘડનાર: ચૂડગર :: કોતરણી કરનાર: _____</p> <p>A1 – (Correct Alternative) : નકશીગર</p> <p>A2 : રેશમિયા</p> <p>A3 : મેરાઇ</p> <p>A4 : સાળવી</p>	1.0	0.25
Objective Question				
98	98	<p>વાક્યશુદ્ધિની રીતે નીચેના વાક્યો સાચા છે કે ખોટાં તે જણાવો. 1. સાહેબ બહાર હોય આજે કામ થશે નહિ. 2.સજ્જન માણસનો સંગાથ હંમેશા લાભ આપે.</p> <p>A1 : વાક્ય 1 અને વાક્ય 2 બંને સાચા છે.</p> <p>A2 : વાક્ય 1 સાચું અને વાક્ય 2 ખોટું છે.</p> <p>A3 : વાક્ય 1 ખોટું અને વાક્ય 2 સાચું છે.</p> <p>A4 – (Correct Alternative) : વાક્ય 1 અને વાક્ય 2 બંને ખોટાં છે.</p>	1.0	0.25
Objective Question				
99	99	<p>દુર્જન માણસ/ સાથે દોસ્તી/ કે દુશ્મની/ સારી નહિ. આ વાક્યમાં ક્યાં ભાગમાં અશુદ્ધિ છે?</p>	1.0	0.25



		<p>A1 – (Correct Alternative) : દુર્જન માણસ</p> <p>A2 : સાથે દોસ્તી</p> <p>A3 : કે દુશ્મની</p> <p>A4 : સારી નહિ</p>		
Objective Question				
100	100	<p>વિધાન વાક્યોને નકાર સ્વરૂપમાં લખ્યાં છે. સાચાં છે કે ખોટાં તે જણાવો. 1. સારું દેખાવું સૌને ગમે. &gt; કોઇને ખરાબ દેખાવું ન ગમે. 2. તે સાચું કહે છે. &gt; તે સાચું કહેતો નથી.</p> <p>A1 : વાક્ય 1 ખોટું અને વાક્ય 2 સાચું</p> <p>A2 – (Correct Alternative) : વાક્ય 1 સાચું અને વાક્ય 2 ખોટું</p> <p>A3 : વાક્ય 1 અને વાક્ય 2 બંને ખોટા</p> <p>A4 : વાક્ય 1 અને વાક્ય 2 બંને સાચાં</p>	1.0	0.25
Objective Question				
101	101	<p>આપેલા વાક્યોના પ્રકારો જણાવો. 1. તે છોકરા પાસે ભીખ મંગાવે છે. 2. તેનાથી જોરથી રડાયું. 3. મારાથી નિર્ણય કરાયો.</p> <p>A1 : વાક્ય 1 પ્રેરક, વાક્ય 2 કર્મણિ અને વાક્ય 3 કર્મણિ</p> <p>A2 : વાક્ય 1 પ્રેરક, વાક્ય 2 કર્મણિ અને વાક્ય 3 ભાવે</p> <p>A3 : વાક્ય 1 પ્રેરક, વાક્ય 2 ભાવે અને વાક્ય 3 ભાવે</p> <p>A4 – (Correct Alternative) : વાક્ય 1 પુનઃ પ્રેરક, વાક્ય 2 ભાવે અને વાક્ય 3 કર્મણિ</p>	1.0	0.25