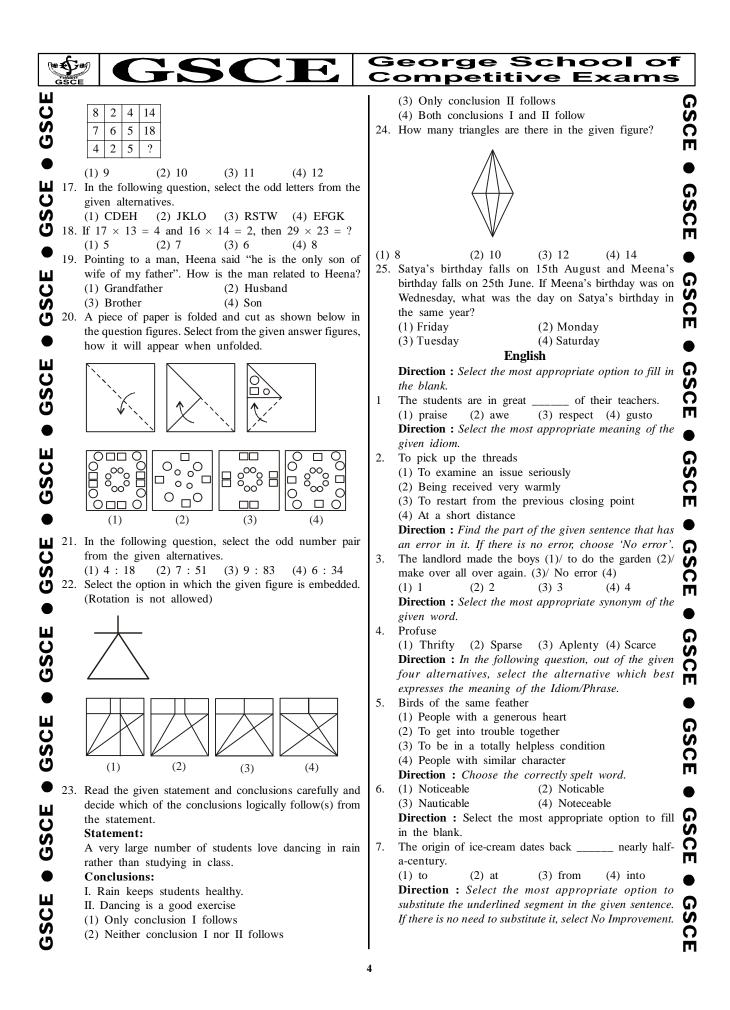
STAFF SELECTION COMMISSION M	IULTI TASKING (NON-TECHNICAL) STAFF	
Model Set		
NAME :		
TIME : 1 Hour 30 Min.	FULL MARKS : 100	
General Awareness 1. The Indian Standard Time is calculated from the clutower of (1) Hamirpur (2) Rampur (3) Mirzapur (4) Sambalpur 2. The upper part of the respiratory tract is provided v small hair-like structures called (1) humanities (2) cilies (2) vilia (4) clusted	 (1) Calcium Metabisulphite (2) Sodium Nitrate (3) Sodium Benzoate (4) Calcium Carbonate 15. Arrange the following hills according to their location 	
 bronchi (2) cilia (3) villi (4) alveoli Which of the following Trophy/Cup is associated v the game 'Bridge'? Holkar Trophy (2) Amrit Diwan Troph Thomas Cup (4) Jai Laxmi Cup 	(1) D-B-A-C (2) A-C-B-D (3) A-C-D-B (4) C-A-D-B	
 4. Which of the following is a traditional painting of Odis (1) Warli (2) Pattachitra (3) Sanjhi (4) Madhubani 5. The book 'War and Peace' is written by: 	 (1) Iron > sodium > silver > gold (2) Sodium > silver > iron > gold (3) Gold > silver > iron > sodium (4) Sodium > iron > silver > gold 	
 (1) Leo Tolstoy (2) Dalai Lama (3) Maroof Raza (4) H.G. Wells 6. When was the first amendment made to the Inconstitution? 	 17. Noble gases belong to which of the following groups of the periodic table? (1) 16 (2) 18 (3) 13 (4) 15 18. Which of the following newspaper was NOT launched by Lala Lajpat Rai? 	
 (1) 1954 (2) 1951 (3) 1953 (4) 1952 7. What will be the size of image formed by a conomirror when an object placed between Pole and Formation (1) Same Size (2) Enlarged (3) Point Size (4) Diminished 	trave (1) The Pupil (2) Young India (3) Mahratta (4) The Punjabi 19. Which of the following relations is true? (1) GNP=GDP × Net factor income from abroad	
 8. In which year the National Food Security Act was parin India? (1) 2011 (2) 2013 (3) 2012 (4) 2014 9. Which of the Article of Indian Constitution tells at the election of President? 	 (3) GNP≡GDP + Net factor income from abroad (4) GNP≡GDP / Net factor income from abroad 	
 (1) Article 51A (2) Article 54 (3) Article 51 (4) Article 53 (1) Monera (2) Fungi (3) Protista (4) Anima 	 (3) Tipu Sultan (4) Murshid Quli Khan 21. Which among the following is the lowermost plants of the plant kingdom? (1) The lb alor (2) Discribing the following is the lower of the plant kingdom? 	
 11. Which of the following Motif is present on 2000 Runote of Indian Currency? (1) Mangalyaan (2) Sanchi Stupa (3) Sun Temple (4) Hampi with Charior 	 (3) Phanerogamae (4) Bryophyta 22. Which Economic Survey was also called 'Pink Economi Survey' ? (1) Economic Survey 2017-18 (2) E and Survey 2015 16 	
 12. Which of the following is NOT a Constitutional be (1) Finance Commission (2) NITI Aayog (3) National Commission for Scheduled Tribes (4) Election Commission 	 (2) Economic Survey 2015-16 (3) Economic Survey 2016-17 (4) Economic Survey 2018-19 23. Who has been appointed as the CEO of the Uniquidentification Authority of India? 	
13. The full form of INTACH is:(1) Indian National Trust for Art and Cultural Heri(2) Indian National Trust for Archaeological Cooperative Heritage	 (1) Faiz Ahmed Kidwai (2) Saurabh Garg (3) S.P. Saravanan (4) Madanlal Rathore 24. The Spices Board of India has signed an MoU with which organization for the e-Spice Bazaar portal? (1) UNESCO (2) WILCO 	
 (3) Indian National Trust for Architectural Calligraphic Heritage (4) Indian National Trust for Art and Coopera Heritage 	(3) UNDP (4) UNWTO	

George School **Competitive Exams** 12. The lengths of two diagonals of a rhombus are 24 cm and \Box **Numerical Aptitude** SC 32 cm. What is the side (in cm) of the rhombus? S Which smallest number must be subtracted from 400, so 1. റ that the resulting number is completely divisible by 7? (3) $20\sqrt{2}$ (1) 20(2) 40(4) $40\sqrt{2}$ Ċ Π (3) 2 (1) 6(2)1(4) 4 13. Pipe A can fill a tank in 6 hours. Pipe B can fill the same The simple interest on a sum for a certain number of tank in 8 hours. Pipe A, B and C together can fill the same years, same as the rate percentage of the interest, is equal tank in 12 hours. Then which of the following statements ወ sum itself. The number of years is equal to : is true for pipe C? C Ō (2) 10(1)5(3) 8(4)1(1) It can fill the tank in 4 hours 40 minutes Ô Speed of a boat is 8 km/hr in still water and the speed of (2) It can fill the tank in 4 hours 48 minutes Π the stream is 2 km/hr. If the boat takes 8 hours to go to a (3) It can empty the tank in 4 hours 48 minutes place and come back, then what is the distance (in km) of (4) It can empty the tank in 4 hours 40 minutes the place? 14. 0.1 percent of 1.728×10^6 spherical droplets of water, ш $(1) \overline{24}$ G (2)30(3) 45(4) 42each of diameter 2 mm, coalesce to from a spherical bubble. GSCI Which of the following relation(s) is/are true? S What is the diameter (in cm) of the bubble? റ (1) 1.2(2) 1.6 II. $\sqrt[3]{3} > \sqrt{2}$ III. $\sqrt{2} = \sqrt[3]{3}$ (3)1.8I. $\sqrt{2} > \sqrt[3]{3}$ (4)2.4Π 15. What is the value of (2) Only II (1) Only I (3) Neither I nor II (4) Either I or II $32 \div 4 \text{ of } 2 \times 3 + 5 \text{ of } 6 - 7 \text{ of } 8(10 + 6 \text{ of } 6)$ A and B together can complete a work in 8 days. B alone GSCE $\left|\frac{5}{6} \div 5 - 1\right| \div 80 - 7 \times 3 \div 2$ can complete the work in 24 days. In how many days A alone can complete the same work? (1) 16(2) 14 (3) 12 (4) 13(1)7.5(2) 17.5(3) 12.5 (4)24.5П After giving a discount of 40% on an article, there is still 16. The average of 13 numbers is 42. If a 14th number is a profit of 25%. If no discount is given, then what will be included, then the average becomes 44. What is the 14th the profit percentage? number? (1) 109.33(2) 25 (3) 107.67 (4) 108.33 G GSCI (1)70(2) 62(3) 66 (4) 68Ō **Directions(7-8):** The line chart given below shows the 17. What is the HCF of $2^3 \times 3^4$ and $2^5 \times 3^2$? C expenditure on clothes (in 000') for the given years. (1) $2^5 \times 3^3$ (2) $2^3 \times 3^4$ (3) $2^3 \times 3^2$ (4) $2^5 \times 3^4$ 18. If $\frac{a}{b} = \frac{3}{4}, \frac{b}{c} = \frac{4}{5}$ and $\frac{c}{d} = \frac{5}{6}$, then the sum of the 3800 4000 3500 GSCE Expenditure (in 000') G numerator and the denominator (which are coprimes) of 3075 3000 S 2500 2018 $\left(\frac{a}{d}\right)^{10}$ is : ဂ 2000 П 1500 1790 (1) 1025(2) 4097 (3) 2049(4) 513 1000 1150 19. A and B invest in a business in the ratio 3 : 2. If 5% of the GSCE 500 ብ total profit goes to charity and A's share is Rs. 855, the 0 S total profit is: 2011 2012 2013 2014 2015 2016 (1) Rs. 1425 (2) Rs. 1500 (3) Rs. 1537.50 (4) Rs. 1576 Expenditure in year 2016 is how much percent more than 20. The base and hypotenuse of a right angled triangle are 9 the expenditure in year 2015? cm and 41 cm respectively. What is the area of the triangle? (1) 19.07(2) 23.57 (3) 21.16 (4) 17.64 GSCE (1) 180 cm^2 (2) 170 cm^2 What is the average expenditure (in 000') per year from (3) 190 cm² (2) 160 cm^2 S the year 2014 to 2016? 21. What is the median of 7, 18, 6, 9, 4, 15, 21, 14, 26? റ (1) 3120(2) 3080(3) 3000(4) 3430(2) 14 (d) 16 (1) 14.5 (3) 15 Π A goes from Point X to Point Y at a speed of 60 km/hr and 22. The ratio of the ages of two persons is 3 : 4. If the age of comes back with a speed of 80 km/hr. What is the average one of them is greater than the other by 8 years, then what speed (in km/hr) of A for going and coming back? ш is the sum of their ages? ወ (1) 66.66 (2) 68.57 (3) 67.33 GSCI (4) 69.43(1) 54 years (2) 58 years (3) 60 years (4) 56 years S 10. Total runs scored by three batsmen x, y and z are 1584. 23. In a 60 liter solution of acid and water, the ratio of acid C Ratio of runs scored by x and y is 4 : 3 and y and z is 5 : and water is 3 : 7. How much(in liter) acid is to be mixed 3. How many runs are scored by x? in the solution so that the ratio of acid and water in the (1)742(2) 614 (3) 516 (4)720resulting solution is 1:2? 11. Rs 5000 are invested in a scheme of compound interest. If the rate of interest is 12% per annum, then what is the (1) $6\frac{1}{2}$ (2) 6 (3) 3 (4)5interest earned (in Rs) in 2 years? റ (1) 1450 (2) 1272 (3) 1520 (4) 3450

GSCE GSCE	George School of Competitive Exams
 24. A purchased an article for Rs. 1400. He sold it to B at 25% profit, B sold it to C at 20% profit, C sold it to D at 15% loss. What is the cost price for D? (1) Rs. 2025 (2) Rs.1785 (3) Rs.1900 (4) Rs. 665 25. X and Y together have Rs.1300. If Rs.10 less than three-fifth of the amount of X is equal to half of the amount of Y, then how much doesX have? (1) Rs. 700 (2) Rs. 600 (3) Rs. 550 (4) Rs. 650 (1) Rs. 700 (2) Rs. 600 (3) Rs. 550 (4) Rs. 650 (1) 93 (2) 91 (3) 96 (4) 99 	 9. Identify the diagram that best represents the relationship among the given classes. Cricketer, Male, Actor (1) (2) (3) (4) 10. Select the option that is related to the third term in the
 2. Five articles, bat, ball, fan, table and chair, are kept one above the other (not necessarily in the same order). The bat is four places above the fan. The table is between the ball and the chair. The chair is three places below the bat. Which article is at the second position from the top? (1) Fan (2) Table (3) Ball (4) Chair 	same way as the second term is related to the first term. JOM : KPN :: PET : ? (1) QFV (2) ODS (3) QFU (4) QDU 11. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of Matrix-I are numbered from 0 to
 3. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements. Statements: I. No A is B. II. All C are D. 	4 and that of Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example, 'C' can be represented by 11, 67, etc., and 'E' can be represented by 22, 58, etc. Similarly, you have to identify the set for the word "FOLK".
 I. NO A IS B. II. All C are D. III. Some C are B. Conclusions: I. Some D are B. II. Some B are C. III. All C are B. (1) Both conclusions I and II follow. (2) Both conclusions I and III follow. (3) Only conclusion III follows. (4) Only conclusion II follows. 	Matrix - I Matrix - II S 0 1 2 3 4 0 A K S Y D 1 F C M U B 2 N H E O W 7 H R A K U 3 T P J G Q B F P Z I S 4 X V R L I P D N X G Q
 4. Select the number that can replace the question mark (?) in the following series. 16, 20, 29, 45, 70, ? (1) 106 (2) 116 (3) 96 (4) 126 5. Select the word pair in which the two words are related in the same way as the two words in the following word-pair. 	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
 Five : Pentagon (1) Four : Rectangle (2) Triangle : Three (3) Square : Four (4) Six : Septagon 6. After interchanging the given two signs, what will be the value of 9 + 143 ÷ 13 × 11 - 160 = ? × and ÷ (1) 18 (2) -32 (3) -17 (4) 28 7. Select the letter-cluster that can replace the question mark (?) in the following series. 	 13. In the following question, select the odd word pair from the given alternatives. (1) Up : Down (2) Day : Night (3) Happy : Smile (4) Open : Close 14. L is 3 years older to M. M is 6 years younger to N. N is 4 years older to O. O is 7 years younger to P. Who is the youngest? (1) O (2) N (3) M (4) L O
 MRT, TYA, AFH, HMO, ? (1) PUV (2) PUU (3) OTV (4) OUT 8. Select the option that is related to the third number in the same way as the second number is related to the first number. 16 : 9 :: 36 : ? (1) 17 (2) 19 (3) 23 (4) 11 	 15. In a certain code language, 'HORSED' is written as 'ABPOLE'. What is the code for 'PRISON' in that code language? (1) LMQGPN (2) LNQGPN (3) KMPFOM (4) KLPFOM 16. In the following question, select the number which can be placed at the sign of question mark(?) from the given alternatives.



George Schoo **Competitive Exams** ш 8. Friends stand by each other on time of need. **Direction :** Find the part of the given sentence that has SC (2) in times an error in it. If there is no error, choose . 'No error'. (1) for time S (3) No Improvement (4) of times 18. As a chef (1)/ Kajal is as good (2)/, if not better than C Ü Direction : Find the part of the given sentence that has Mahender. (3)/ No error (4) Π an error in it. If there is no error, choose 'No error'. (1) 1(2) 2(3) 3 (4) 4 My parents asked me (1)/ that how long (2)/ I would **Direction :** Select the most appropriate option to GSCE stay there. (3)/ No error (4). substitute the underlined segment in the given sentence. G (a) 1 (b) 2 (c) 3 (d) 4 If there is no need to substitute it, select No Improvement. Ō Direction : Select the most appropriate synonym of the 19. The wound on her hand is now heal completely. C given word. (1) has now healing (2) No Improvement Π 10. Rectify (3) is now healed (4) is healing now (1) Raid (2) Bend (3) Folly (4) Amend **Direction :** Choose the most appropriate word that can SCE **Directions** (11-15) : In the following passage some substitute the given group of words. ወ words have been deleted. Fill in the blanks with the help 20. Killing of pests S of the alternatives given. Select the most appropriate (1) Herbicide (2) Suicide (3) Pesticide (4) Patricide റ Ü option for each blank. **Direction :** Select the most appropriate option to П Mr. Oliver was taking a shortcut (11)__ substitute the underlined segment in the given sentence. ___ the pine forest which was making sad, (12)____ sounds because If there is no need to substitute it, select No Improvement. of strong winds. He (13)____ a lonely boy sitting on 21. Luckily we have got the few minutes to spare. a rock. (14)____ boy was weeping soundlessly. There (1) No Improvement (2) a little C S seemed to be (15)____ terribly wrong with the boy. (3) quite few (4) a few 11. (1) through (2) by (3) along (4) of Direction : Select the most appropriate antonym of the 0 12. (1) awesome (2) eerie (4) aloud (3) banging given word. 13. (1) recorded (2) noticed 22. Gloomy (3) pointed (4) remarked (4) Greedy 14. (1) One (2) Each (3) A (4) The (1) Cloudy (2) Bright (3) Dull ш 15. (1) anything (2) nothing **Direction :** Choose the correctly spelt word. C (3) everything 23. (1) Exausted (2) Intelligent (4) something Ñ റ Direction : Select the most appropriate option to fill in (4) Amigrate (3) Equaly Ű Ш Direction : Choose the most appropriate word that can the blank. 16. He is addicted to alcohol and exerts a bad influence substitute the given group of words. 24. A group of ships his family. SCE ወ (1) for (2) on (3) about (4) in (1) Fleet (2) Bevy (3) Suite (4) Army S **Direction :** Select the most appropriate option to **Direction :** Choose the correctly spelt word. ဂ substitute the underlined segment in the given sentence. 25. (1) Genuine (2) Geniune (3) Ganuine (4) Jenuine G If there is no need to substitute it, select No Improvement. 17. For her, money is only the meto an end. (1) the mefor an end **GSCE** (2) meto end (3) No Improvement Ō (4) a meto the end Π **GSCE** GSCE ● GSCE GSCE **GSCE** GSC

STAFF SELECTION COMMISSION MULTI TASKING (NON-TECHNICAL) STAFF Model Set Answers with Explanation		
11. (1)	the Greek word amoibe, which means change (Amoeba is also spelled ameba). Protists are microscopic unicellular organisms that don't fit into the other kingdoms. The new note of `2000 has Motif of Mangalyaan (Mars mission) on the reverse. The colour of the note is magenta and the size is 66 mm \times 166 mm. Other key features include geometric patterns aligning with the overall colour scheme, both at the obverse and reverse.	 20. (1) Mir Qamar-ud-din Khan Siddiqi Bayafandi also known as Chin Qilich Kamaruddin Khan, Nizam-ul-Mulk, Asaf Jah and Nizam I, was the 1st Nizam of Hyderabad. 21. (1) Thallophyta are the lowermost plants of the plant kingdom, without a well-differentiated body design. This means that the plant body is not differentiated as roots, stem and leaves. They are commonly called algae, are permanently aquatic. Examples include

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• GSCE $= 32 \div 4 \text{ of } 2 \times 3 + [5 \text{ of } 6 - \{7 \text{ of } 8(10) \div 80\}] - 7 \times 3 \div 2$ $= 32 \div 4 \text{ of } 2 \times 3 + [5 \text{ of } 6 - \{560 \div 80\}] - 7 \times 3 \div 2$ $= 32 \div 4$ of $2 \times 3 + [30 - 7] - 7 \times 3 \div 2$ $= 32 \div 8 \times 3 + 23 - 7 \times \frac{3}{2}$ GSCE $= 12 + 23 - \frac{21}{2}$ = 35 - 10.5 = 24.516. (1) $\frac{42 \times 13 + n}{14} = 44$ SCE \Rightarrow 546 + n = 44 × 14 $\Rightarrow 546 + n = 616$ \Rightarrow n = 70 Ü 17. (3) HCF of $2^3 \times 3^4$ and $2^5 \times 3^2$ $= 2^3 \times 3^2$ 18. (1) a:b:c:d=3:4:5:6GSCE $\left(\frac{a}{d}\right)^{10} = \left(\frac{3}{6}\right)^{10} = \left(\frac{1}{2}\right)^{10} = \frac{1}{1024}$ Sum of the numerator and the demoninator 1 + 1024 = 102519. (2) Let the total profit be x **GSCE** $\frac{x}{20}$ goes for chaity Remaining part = $\frac{19x}{20}$ ATQ, GSCE $\frac{19x}{20} \times \frac{3}{5} = 855$ $\Rightarrow x = \frac{855 \times 20 \times 5}{19 \times 3}$ $= 15 \times 100 = 1500$ GSCE 20. (1) $41^2 = 9^2 + x^2$ $\Rightarrow x^2 = 1681 - 81 = 1600$ $\Rightarrow x = 40$ Area $=\frac{1}{2} \times 40 \times 9 \text{ cm}^2 = 180 \text{ cm}^2$ GSCE 21. (2) Number in ascending order \rightarrow 4, 6, 7, 9, 14, 15, 18, 21, 26 Number of observations = 9 \therefore Median = $\left(\frac{9+1}{2}\right)$ th observation GSCE = 5th observation = 14 22. (4) 4x - 3x = 8 $\Rightarrow x = 8$ Sum of ages = 32 + 24 = 5623. (3) Acid in first solution $= 60 \times \frac{3}{10}$ lit = 18 lit GSCE Water = 60 - 18 lit = 42 lit

Competitive Exams $\frac{18+x}{42} = \frac{1}{2}$ $\Rightarrow 2x = 42 - 36 = 6$ $\Rightarrow x = 3$ 24. (2) CP B paid = $1400 \times \frac{125}{100} = 1750$ CP C paid = $1750 \times \frac{120}{100} = 2100$ CP D paid = $2100 \times \frac{85}{100} = 1785$ 25. (2) $\frac{3x}{5} - 10 = \frac{y}{2}$ $\Rightarrow \frac{3x}{5} - \frac{y}{2} = 10$ $\Rightarrow \frac{6x - 5y}{10} = 10$ $\Rightarrow 6x - 5y = 100 \dots$ (i) x + y = 1300 (ii) Solving (i) and (ii) y = 700 x = 600**General Intelligence** 1.(1) ANT \Rightarrow $(1 + 14 + 20) \times 3 = 105$ Similarly, $ASK \Longrightarrow (1 + 19 + 11) \times 3 = 93$ 2. (3) Bat Ball Table Chair Fan А B()C 3. (1) 4.(1)+16+25+365. (1) $9 + 143 \div 13 \times 11 - 160$ 6.(1) After interchanging ' \times ' and ' \div ' we get $9 + 143 \times 13 \div 11 - 160$ = 9 + 169 - 160 = 18 $M \xrightarrow{+7} T \xrightarrow{+7} A \xrightarrow{+7} H \xrightarrow{+7} O$ 7. (3) $R \xrightarrow{+7} Y \xrightarrow{+7} F \xrightarrow{+7} M \xrightarrow{+7} T$ $T \xrightarrow{+7} A \xrightarrow{+7} H \xrightarrow{+7} O \xrightarrow{+7} V$ $\frac{16+2}{2} = 9$ 8. (2) Similarly, $\frac{36+2}{2} = 19$

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