| Exam Code: SSC_181117_GRAD_1 | | Exam Date: 18-Nov-2017 |
|------------------------------|--|---|
| Du | ration: 60 | Exam Time: 10:00 am |
| 1. | Which word will best complete the relationship South: North-west:: West:? | given below? |
| | A. South-west | B. North-east |
| | C. East | D. South |
| | Answer Key - B | |
| 2. | Which number will best complete the relations 12 : 9 :: 31 : ? | hip given below? |
| | A. 13 | B. 21 |
| | C. 27 | D. 30 |
| | Answer Key - C | |
| 3. | Find the ODD one out. | |
| | A. Coast | B. Harbour |
| | C. Peninsula | D. Oasis |
| | Answer Key - D | |
| 4 . | Find the ODD one out. | |
| | A. Honorarium | B. Pocket money |
| | C. Salary | D. Wage |
| | Answer Key - B | |
| 5 . | If FRIEND is written as HUMJTK in a certain c | ode, how will CANDLE be written in that code? |
| | A. EDRIRL | B. DCQHQK |
| | C. ESJFME | D. DEQJQM |
| | Answer Key - A | |
| 6. | If in a certain code, OLYMPICS is written as P how is COMPUTER written in that code? | MZNOHBR, and JUMP is written as KVLO, |
| | A. DPNQVUFS | B. BNLOTSFQ |
| | C. DPNQTSDQ | D. BNLOTSDQ |
| | Answer Key - C | |
| | | |

Exam Code: SSC 181117 GRAD 1 Exam Date: 18-Nov-2017 Duration: 60 Exam Time: 10:00 am 7. Anil's house faces east. From the back side of the house, he walks 50 m straight, then turns to the right and walks 50 m again. Finally, he turns towards left and stops after walking 25 m. Now, in which direction is Anil from the starting point? A. South-east B. North-east C. South-west D. North-west Answer Key - D Arun moved a distance of 75 m towards north. He then turned to the left and walked for 8. about 25 m, and he turned left and walked 80 m. Finally, he turned to the right at an angle of 45°. In which direction is he moving now? A. North-east B. North-west C. South-east D. South-west Answer Key - D 9. Complete the series. 19, 2, 38, 3, 114, 4, (...) A. 238 B. 256 C. 352 D. 456 Answer Key - D 10. Find the wrong number in the series. 5, 25, 100, 250, 600 A. 25 B. 100 C. 250 D. 600 Answer Key - C 11. Complete the series. M, N, O, L, R, I, V, (...) A. A B. E C. F D. H Answer Key - B 12. Complete the series. ND, IY, DT, YO, TJ, (...) A. MP B. OF C. OE D. ME Answer Key - C

| Exam Code: SSC_181117_GRAD_1 | | Exam Date: 18-Nov-2017 | | |
|------------------------------|--|---|--|--|
| Dι | uration: 60 | Exam Time: 10:00 am | | |
| 13 . | A girl introduced a boy as "He is the son of the the relation of the boy to the girl? | | | |
| | A. Brother | B. Son | | |
| | C. Uncle | D. Nephew | | |
| | Answer Key - A | | | |
| 14 . | Pointing to a lady on the platform, Anju said, "son". How is that lady related to Anju? | | | |
| | A. Mother | B. Sister | | |
| | C. Aunt | D. Niece | | |
| | Answer Key - 0 | | | |
| 15 . | In this question, a statement is given followed which best fits logically. | by two conclusions. Choose the conclusion | | |
| | Statement: Industrial Revolution which first started in Euro | ope has brought about the Modern Age. | | |
| | Conclusions: I) Disparity between rich and poor results in revolution. II) Revolution overhauls society. | | | |
| | A. Only conclusion I follows | B. Only conclusion II follows | | |
| | C. Neither conclusion I nor II follows | D. Both conclusions I and II follow | | |
| | Answer Key - B | | | |
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Exam Code: SSC_181117_GRAD_1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

16. In this question, three statements are given followed by four conclusions. Choose the conclusions which best fit logically.

Statements:

- 1) Some boys are girls.
- 2) No pens are cycles.
- 3) All girls are pens.

Conclusions:

- I) Some boys are pens.
- II) Some boys are cycles.
- III) Some boys are not cycles.
- IV) No cycle is girl.

A. Only conclusions I and III follow

B. Only conclusions III and IV follow

C. Only conclusions II and IV follow

D. Only conclusions I, III and IV follow

Answer Key - D

- **17** . Arrange the following words in a logical order.
 - 1) Birth 2) Death 3) Funeral 4) Marriage 5) Education

A. 1, 3, 4, 5, 2

B. 1, 5, 4, 2, 3

C. 2, 3, 4, 5, 1

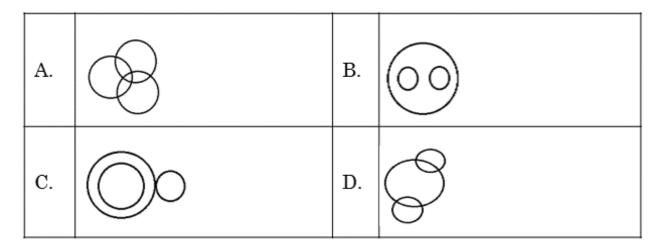
D. 4, 5, 3, 1, 2

Exam Code: SSC_181117_GRAD_1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

18. Identify the diagram that best represents the relationship among the classes given below.

Men, Women, Doctors



Exam Code: SSC_181117_GRAD_1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

Choose the alternative which closely resembles the mirror-19. image of the given combination.

MAGAZINE

MAGAZINE (2) ENIZAGAM (1)

MAGAZINE (4) ENIZAGAM (8)

| A. | 1 | B. | 2 |
|----|---|----|---|
| C. | 3 | D. | 4 |

Exam Code: SSC_181117_GRAD_1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

20. Read the following information carefully and answer the question given below.

Six friends—Prakash, Rohit, Rakesh, Suresh, Lokesh and Umesh are members of a club and play different games—football, cricket, tennis, basketball, badminton and volleyball. Each person plays only one game.

- I) Lokesh, who is taller than Prakash and Suresh, plays tennis.
- II) The tallest among them plays basketball.
- III) The shortest among them plays volleyball.
- IV) Rohit and Suresh neither play volleyball nor basketball.
- V) Rakesh plays volleyball.
- VI) Lokesh is between Rohit who plays football and Prakash in the order of height.

Who will be at the third place if they are arranged in the descending order of their height?

| A | Α. | Lokesh | B. | Rohit |
|---|----|--------|----|--------|
| (| Σ. | Umesh | D. | Suresh |

Exam Code: SSC_181117_GRAD_1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

21. Read the following information carefully and answer the question given below.

Six friends—Prakash, Rohit, Rakesh, Suresh, Lokesh and Umesh are members of a club and play different games—football, cricket, tennis, basketball, badminton and volleyball. Each person plays only one game.

- I) Lokesh, who is taller than Prakash and Suresh, plays tennis.
- II) The tallest among them plays basketball.
- III) The shortest among them plays volleyball.
- IV) Rohit and Suresh neither play volleyball nor basketball.
- V) Rakesh plays volleyball.
- VI) Lokesh is between Rohit who plays football and Prakash in the order of height.

Who among them is taller than Rakesh but shorter than Prakash?

| A. | Lokesh | B. | Rohit |
|----|--------|----|--------|
| C. | Umesh | D. | Suresh |

Exam Code: SSC_181117_GRAD_1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

22. Read the following information carefully and answer the question given below.

Six friends—Prakash, Rohit, Rakesh, Suresh, Lokesh and Umesh are members of a club and play different games—football, cricket, tennis, basketball, badminton and volleyball. Each person plays only one game.

- I) Lokesh, who is taller than Prakash and Suresh, plays tennis.
- II) The tallest among them plays basketball.
- III) The shortest among them plays volleyball.
- IV) Rohit and Suresh neither play volleyball nor basketball.
- V) Rakesh plays volleyball.
- VI) Lokesh is between Rohit who plays football and Prakash in the order of height.

Which of the following statements is NOT true?

| A. | Lokesh is taller than Rakesh | B. | Umesh is taller than Rohit |
|----|-----------------------------------|----|-----------------------------|
| C. | Prakash is shorter than Rakesh | D. | Rohit is taller than Suresh |

Exam Code: SSC 181117 GRAD 1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

23. Read the following information carefully and answer the question given below.

- (i) Eight friends—Anu, Bhuvi, Charu, Divya, Aruna, Preethi, Priya and Hema are planning for a tour. There are only two cars. One car can accommodate maximum five and minimum four persons.
- (ii) Anu will sit in the same car in which Divya is sitting, but Hema is not in the same car.
- (iii) Bhuvi and Charu cannot sit in the same car in which Divya is sitting.
- (iv) Preethi will sit in the car of four people only along with Anu and Aruna but certainly not with Priya.

If Aruna and Anu are sitting in the same car, which of the following statements is TRUE?

| A. | Bhuvi is sitting in the same car | B. | Five friends are sitting in the same car |
|----|--------------------------------------|----|---|
| C. | Priya is not sitting in the same car | D. | Preethi is not sitting in the same car |

Exam Code: SSC_181117_GRAD_1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

24. Read the following information carefully and answer the question given below.

- (i) Eight friends—Anu, Bhuvi, Charu, Divya, Aruna, Preethi, Priya and Hema are planning for a tour. There are only two cars. One car can accommodate maximum five and minimum four persons.
- (ii) Anu will sit in the same car in which Divya is sitting, but Hema is not in the same car.
- (iii) Bhuvi and Charu cannot sit in the same car in which Divya is sitting.
- (iv) Preethi will sit in the car of four people only along with Anu and Aruna but certainly not with Priya.

If Hema and Priya are sitting in the same car, who are the other two persons sitting in the same car?

| A. | Bhuvi and Charu | B. | Bhuvi and Divya |
|----|-----------------|----|-----------------|
| C. | Charu and Divya | D. | Aruna and Bhuvi |

Exam Code: SSC_181117_GRAD_1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

25. Read the following information carefully and answer the question given below.

- (i) Eight friends—Anu, Bhuvi, Charu, Divya, Aruna, Preethi, Priya and Hema are planning for a tour. There are only two cars. One car can accommodate maximum five and minimum four persons.
- (ii) Anu will sit in the same car in which Divya is sitting, but Hema is not in the same car.
- (iii) Bhuvi and Charu cannot sit in the same car in which Divya is sitting.
- (iv) Preethi will sit in the car of four people only along with Anu and Aruna but certainly not with Priya.

Find the ODD person among the given options.

| A. | Anu | B. | Divya |
|----|-------|----|-------|
| C. | Charu | D. | Aruna |

Answer Key - C

26 . In the following question, the given sentence has four parts marked P, Q, R and S. Choose the part of sentence with the error and mark as your answer. If there is no error, mark 'No error (S)' as your answer.

The root of the crisis is (P)/ the steep fall in the prices (Q)/ of agricultural goods. (R)/ No error (S)

A. P

B. Q

C. R

D. S

| Exam Code: SSC_181117_GRAD_1 | | Exam Date: 18-Nov-2017 |
|------------------------------|---|--|
| Du | ration: 60 | Exam Time: 10:00 am |
| 27 . | Fill in the blank with most appropriate word when If you do not do your work of your own not done on time. A. Weakness | |
| | | |
| | C. Excursion | D. Volition |
| | Answer Key - D | |
| 28 . | Choose the correct synonym of the given word ACCOLADE | from the options given below. |
| | A. Sarcasm | B. Denunciation |
| | C. Belittlement | D. Honour |
| | Answer Key - D | |
| 29 . | Choose the correct synonym of the given word ENDORSE | from the options given below. |
| | A. Disapprove | B. Renounce |
| | C. Advocate | D. Dissuade |
| | Answer Key - C | |
| 30 . | Choose the correct antonym of the given word FAMISHED | from the options given below. |
| | A. Satiated | B. Starved |
| | C. Ferocious | D. Empty |
| | Answer Key - A | |
| 31 . | Choose the correct antonym of the given word CORPOREAL | from the options given below. |
| | A. Material | B. Cerebral |
| | C. Substantial | D. Tangible |
| | Answer Key - B | |
| 32 . | Choose the option which best expresses the number "A storm in a teacup" | neaning of the idiom/phrase given below. |
| | A. A lot of anger or worry about something that is not important | B. Something that happened without warning |
| | C. A small hurricane | D. To make tea with spoilt milk |
| | Answer Key - A | |

Exam Code: SSC 181117 GRAD 1 Exam Date: 18-Nov-2017 Duration: 60 Exam Time: 10:00 am 33. Pick the word that is spelt CORRECTLY. A. Maintainance B. Noticeable C. Millenium D. Minisscule Answer Key - B 34 . Choose from the four options, the word that best substitutes the given phrase. "A scientific study of people, society, and culture" A. Bibliology B. Audiology C. Anthropology D. Climatology Answer Key - C 35. Choose from the four options, the word that best substitutes the given phrase. "A building or statue built to remind people of a famous person" A. Building B. Artefact C. Reminder D. Monument Answer Kev - D Choose the correct alternative which will improve the part of the sentence given in quotes. 36 . Sunder's dedication constantly "astonish" me. A. Astonishingly B. Astonishing C. Astonishes D. No improvement Answer Kev - C 37. Choose the correct alternative which will improve the part of the sentence given in quotes. The rain "has stop" before we reached the village. A. Had stopped B. Would stopped C. Would have stop D. Will stop Answer Key - A 38. Rewrite the sentence in direct speech. Archana told Ram that she would have completed her work. A. Archana said to Ram, "I will have B. Archana said to Ram, "I will have complete completed my work" my work" C. Archana said to Ram, "I will completed my D. Archana said to Ram, "I will complete my work" work" Answer Key - A

Exam Code: SSC 181117 GRAD 1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

39. Rewrite the sentence in indirect speech.

Vasanth said to Prithivi, "Prabu has been playing since morning"

A. Vasanth told Prithivi that Prabu played

since morning

B. Vasanth told Prithivi that Prabu had been

playing since morning

morning

C. Vasanth told Prithivi that Prabu plays since D. Vasanth told Prithivi that Prabu had playing

since morning

Answer Key - B

40 . Rewrite the sentence in active voice.

This project will be completed by me by the end of this month.

A. I will have completed this project by the

end of this month

B. I will be completing this project by the end

of this month

C. I will complete this project by the end of

this month

D. I had completed this project by the end of

this month

Answer Key - C

41. Rewrite the sentence in passive voice.

The Governor had opened the exhibition.

A. The exhibition have been opened by the

Governor

B. The exhibition is opened by the Governor

C. The exhibition was opened by the

Governor

D. The exhibition had been opened by the

Governor

Answer Key - D

- 42. In the following question, there are six sentences marked S1, S6, P, Q, R and S. The position of S1 and S6 are fixed. Some parts of the sentence have been jumbled up. Rearrange these parts and choose the proper sequence from the given options.
 - (S1) A few cranes were eating grain in a farmer's field.
 - (P) Among them was a stork.
 - (Q) "You may well be what you claim to be," said the farmer.
 - (R) So, the farmer set a trap and caught several of them.
 - (S) "You can see I do not belong here," said the stork and "I am a law-abiding bird; please let me go".
 - (S6) "But I caught you along with these robbers, so you will have to hang with them", said the farmer.

A. RPSQ

B. SQPR

C. RSPQ

D. PQRS

| Exam Code : SSC_181117_GRAD_1 Exam Date : 18-Nov-2017 | | | | | |
|---|--|--------|---------------------------------|--|--|
| Duration : | 60 | | Exam Time: 10:00 am | | |
| bee | In the following passage there are blanks, each of which has been numbered. Choose the correct word from the given options which fits the blank appropriately. | | | | |
| Pine | eapple is a fruit-bearing plant | of the | e family Bromeliaceae, native | | |
| | (43) tropical and subtropical | Ame | rica but introduced elsewhere. | | |
| The | pineapple plant (44) the | aga | ve or some yuccas in general | | |
| appe | earance. It <u>(45)</u> from 30 t | to 40 | stiff, succulent leaves closely | | |
| spac | ed in a rosette on a thick, flesh | y stei | m. | | |
| | | | | | |
| A. | In | В. | On | | |
| C. | An | D. | То | | |
| Answer | ·Key - D | | | | |

| From Code 1 CCC 101117 CDAD 1 | | | | | |
|---|--|---|--------|---------------------------------|--|
| Exam Code: SSC_181117_GRAD_1 Exam Date: 18-Nov-20 | | | | | |
| Durat | Duration: 60 Exam Time: 10:00 am | | | | |
| 44 . | In the following passage there are blanks, each of which has been numbered. Choose the correct word from the given options which fits the blank appropriately. | | | | |
| | Pineapple is a fruit-bearing plant of the family Bromeliaceae, native (43) tropical and subtropical America but introduced elsewhere. | | | | |
| | | | | | |
| | The p | omeapple plant (44) the | aga | ve or some yuccas in general | |
| | appea | rance. It $\underline{(45)}$ from 30 to | to 40 | stiff, succulent leaves closely | |
| | space | d in a rosette on a thick, flesh | y stei | m. | |
| | A. | Resembles | В. | Approximates | |
| | C. | Approaches | D. | Favours | |
| Ar | nswer k | Key - A | | | |
| | | | | | |

| Exam Code : SS | SC_181117_GRAD_1 | | Exam Date: 18-Nov-2017 | | | | |
|----------------|--|----|---------------------------------|--|--|--|--|
| Duration: 6 | 0 | | Exam Time: 10:00 am | | | | |
| been | In the following passage there are blanks, each of which has been numbered. Choose the correct word from the given options which fits the blank appropriately. | | | | | | |
| | Pineapple is a fruit-bearing plant of the family Bromeliaceae, native (43) tropical and subtropical America but introduced elsewhere. | | | | | | |
| | | | ve or some yuccas in general | | | | |
| | | | stiff, succulent leaves closely | | | | |
| | d in a rosette on a thick, flesh | | | | | | |
| _ | | | | | | | |
| A. | Has | B. | Have | | | | |
| C. | Is | D. | Was | | | | |
| Answer h | Cey - A | | | | | | |

Exam Code: SSC 181117 GRAD 1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

46 Read the following passage carefully and answer the question given below.

Leonardo da Vinci was born on 15th April 1452, in Anchiano near Vinci, Republic of Florence. He died on 2nd May 1519, in Cloux, France. He was an Italian painter, draftsman, sculptor, architect, and engineer whose genius, perhaps more than that of any other figure, epitomized the Renaissance humanist ideal. His Last Supper and Mona Lisa are among the most widely popular and influential paintings of the Renaissance. His notebooks reveal a spirit of scientific inquiry and a mechanical inventiveness that were centuries ahead of their time. The unique fame that Leonardo enjoyed in his lifetime and that, filtered by historical criticism, has remained undimmed to the present-day, rests largely on his unlimited desire for knowledge, which guided all his thinking and behaviour.

An artist by <u>disposition</u> and endowment, he considered his eyes to be his main avenue to knowledge; to Leonardo, sight was man's highest sense because it alone conveyed the facts of experience immediately, correctly, and with certainty. Hence, every phenomenon perceived became an object of knowledge, and *saper vedere* ("knowing how to see") became the great theme of his studies. He applied his creativity to every realm in which graphic representation is used: he was a painter, sculptor, architect, and engineer. But he went even beyond that. He used his superb intellect, unusual powers of observation, and mastery of the art of drawing to study nature itself, a line of inquiry that allowed his dual pursuits of art and science to flourish.

What was the age of Leonardo da Vinci when he died?

| A. | 57 | B. | 67 |
|----|----|----|----|
| C. | 69 | D. | 70 |

Exam Code: SSC 181117 GRAD 1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

47 Read the following passage carefully and answer the question given below.

Leonardo da Vinci was born on 15th April 1452, in Anchiano near Vinci, Republic of Florence. He died on 2nd May 1519, in Cloux, France. He was an Italian painter, draftsman, sculptor, architect, and engineer whose genius, perhaps more than that of any other figure, epitomized the Renaissance humanist ideal. His Last Supper and Mona Lisa are among the most widely popular and influential paintings of the Renaissance. His notebooks reveal a spirit of scientific inquiry and a mechanical inventiveness that were centuries ahead of their time. The unique fame that Leonardo enjoyed in his lifetime and that, filtered by historical criticism, has remained undimmed to the present-day, rests largely on his unlimited desire for knowledge, which guided all his thinking and behaviour.

An artist by <u>disposition</u> and endowment, he considered his eyes to be his main avenue to knowledge; to Leonardo, sight was man's highest sense because it alone conveyed the facts of experience immediately, correctly, and with certainty. Hence, every phenomenon perceived became an object of knowledge, and *saper vedere* ("knowing how to see") became the great theme of his studies. He applied his creativity to every realm in which graphic representation is used: he was a painter, sculptor, architect, and engineer. But he went even beyond that. He used his superb intellect, unusual powers of observation, and mastery of the art of drawing to study nature itself, a line of inquiry that allowed his dual pursuits of art and science to flourish.

What is the meaning of the underlined word "disposition"?

| A. | Temperament | B. | Disinclination |
|----|-------------|----|----------------|
| C. | Hatred | D. | Dislike |

Exam Code: SSC 181117 GRAD 1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

48 Read the following passage carefully and answer the question given below.

Leonardo da Vinci was born on 15th April 1452, in Anchiano near Vinci, Republic of Florence. He died on 2nd May 1519, in Cloux, France. He was an Italian painter, draftsman, sculptor, architect, and engineer whose genius, perhaps more than that of any other figure, epitomized the Renaissance humanist ideal. His Last Supper and Mona Lisa are among the most widely popular and influential paintings of the Renaissance. His notebooks reveal a spirit of scientific inquiry and a mechanical inventiveness that were centuries ahead of their time. The unique fame that Leonardo enjoyed in his lifetime and that, filtered by historical criticism, has remained undimmed to the present-day, rests largely on his unlimited desire for knowledge, which guided all his thinking and behaviour.

An artist by <u>disposition</u> and endowment, he considered his eyes to be his main avenue to knowledge; to Leonardo, sight was man's highest sense because it alone conveyed the facts of experience immediately, correctly, and with certainty. Hence, every phenomenon perceived became an object of knowledge, and *saper vedere* ("knowing how to see") became the great theme of his studies. He applied his creativity to every realm in which graphic representation is used: he was a painter, sculptor, architect, and engineer. But he went even beyond that. He used his superb intellect, unusual powers of observation, and mastery of the art of drawing to study nature itself, a line of inquiry that allowed his dual pursuits of art and science to flourish.

Which of the following best defines the tone of the author?

| A. | Accusatory | B. | Callous |
|----|------------|----|----------|
| C. | Derisive | D. | Admiring |

Exam Code: SSC_181117_GRAD_1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

49 Read the following passage carefully and answer the question given below.

Leonardo da Vinci was born on 15th April 1452, in Anchiano near Vinci, Republic of Florence. He died on 2nd May 1519, in Cloux, France. He was an Italian painter, draftsman, sculptor, architect, and engineer whose genius, perhaps more than that of any other figure, epitomized the Renaissance humanist ideal. His Last Supper and Mona Lisa are among the most widely popular and influential paintings of the Renaissance. His notebooks reveal a spirit of scientific inquiry and a mechanical inventiveness that were centuries ahead of their time. The unique fame that Leonardo enjoyed in his lifetime and that, filtered by historical criticism, has remained undimmed to the present-day, rests largely on his unlimited desire for knowledge, which guided all his thinking and behaviour.

An artist by <u>disposition</u> and endowment, he considered his eyes to be his main avenue to knowledge; to Leonardo, sight was man's highest sense because it alone conveyed the facts of experience immediately, correctly, and with certainty. Hence, every phenomenon perceived became an object of knowledge, and *saper vedere* ("knowing how to see") became the great theme of his studies. He applied his creativity to every realm in which graphic representation is used: he was a painter, sculptor, architect, and engineer. But he went even beyond that. He used his superb intellect, unusual powers of observation, and mastery of the art of drawing to study nature itself, a line of inquiry that allowed his dual pursuits of art and science to flourish.

Which of the following reveal Leonardo da Vinci's enthusiasm towards scientific inquiry?

| A. | His drawings | B. | His paintings |
|----|---------------|----|----------------|
| C. | His notebooks | D. | His sculptures |

Exam Code: SSC_181117_GRAD_1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

Read the following passage carefully and answer the question given below.

Leonardo da Vinci was born on 15th April 1452, in Anchiano near Vinci, Republic of Florence. He died on 2nd May 1519, in Cloux, France. He was an Italian painter, draftsman, sculptor, architect, and engineer whose genius, perhaps more than that of any other figure, epitomized the Renaissance humanist ideal. His Last Supper and Mona Lisa are among the most widely popular and influential paintings of the Renaissance. His notebooks reveal a spirit of scientific inquiry and a mechanical inventiveness that were centuries ahead of their time. The unique fame that Leonardo enjoyed in his lifetime and that, filtered by historical criticism, has remained undimmed to the present-day, rests largely on his unlimited desire for knowledge, which guided all his thinking and behaviour.

An artist by <u>disposition</u> and endowment, he considered his eyes to be his main avenue to knowledge; to Leonardo, sight was man's highest sense because it alone conveyed the facts of experience immediately, correctly, and with certainty. Hence, every phenomenon perceived became an object of knowledge, and *saper vedere* ("knowing how to see") became the great theme of his studies. He applied his creativity to every realm in which graphic representation is used: he was a painter, sculptor, architect, and engineer. But he went even beyond that. He used his superb intellect, unusual powers of observation, and mastery of the art of drawing to study nature itself, a line of inquiry that allowed his dual pursuits of art and science to flourish.

Which of the following CANNOT be inferred from the passage?

| A. | Leonardo da Vinci was an engineer | B. | Leonardo da Vinci's famous drawings are Mono Lisa and Last supper |
|----|---|----|---|
| C. | According to Leonardo da Vinci eye is the avenue of knowledge | D. | Saper vedere means knowing how to speak |

| Exam | 1 Code: SSC_181117_GR | AD_1 Exam Date: 18-Nov-2017 | | | |
|------|--|---|--|--|--|
| Dı | uration: 60 | Exam Time: 10:00 am | | | |
| 51 . | What number must be subtracted from $x^3 + 4x^2 - 7x + 12$ to make it perfectly divisible by $x + 3$? | | | | |
| | A. 13 | B. 19 | | | |
| | C. 35 | D. 42 | | | |
| | Answer Key - D | | | | |
| 52 . | Find the greatest four dig | it number that is exactly divisible by 12, 18, 40 and 45. | | | |
| | A. 9550 | B. 9720 | | | |
| | C. 9970 | D. 9980 | | | |
| | Answer Key - B | | | | |
| 53 . | The difference between 5 of that number? | 58% of a number and 39% of the same number is 247. What is $62%$ | | | |
| | A. 754 | B. 806 | | | |
| | C. 1170 | D. 1300 | | | |
| | Answer Key - B | | | | |
| 54 . | If the sum and product of two integers are 8 and 'k' respectively, and the sum of their cubes is 152. What is the value of 'k'? | | | | |
| | A. 15 | B. 19 | | | |
| | C. 24 | D. 27 | | | |
| | Answer Key - A | | | | |
| 55 . | When the marks of a student were wrongly entered as 53 instead of 23, the average of the class increased by 0.5. Find the number of students in the class. | | | | |
| | A. 20 | B. 30 | | | |
| | C. 40 | D. 60 | | | |
| | Answer Key - D | | | | |
| 56 . | • | er allowing a discount of 12% on the marked price of a washing t above cost price of Rs.7660 did he mark the machine? | | | |
| | A. 15% | B. 18% | | | |
| | C. 20% | D. 25% | | | |
| | Answer Key - D | | | | |
| | | | | | |

Exam Code: SSC 181117 GRAD 1 Exam Date: 18-Nov-2017 Duration: 60 Exam Time: 10:00 am 57. A tank can be filled by one tap in 20 minutes and by another in 25 minutes. Both the taps are kept open for 5 minutes and then the second is turned off. After how many minutes will the tank be completely filled? A. 8 minutes B. 11 minutes C. 16 minutes D. 18 minutes Answer Key - C 58. In a family, a couple has a son and a daughter. The age of the father is three times that of his daughter, and the age of son is half of his mother. The wife is 9 years younger to her husband, and the brother is seven years elder than his sister. What is the age of the mother? A. 40 years B. 45 years C. 50 years D. 60 years Answer Key - D 59. Arun and Balu can do a piece of work in 9 and 12 days respectively. Starting with Arun, they both work alternately. How long will it take for the work to be completed? A. 10 days B. 10.25 days C. 11 days D. 11.25 days Answer Key - B 60. In a sale, a man earned a profit equal to 30% of the selling price. What is his actual profit percentage? A. 25% B. 35% C. 37% D. 43% Answer Key - D

Exam Code: SSC_181117_GRAD_1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

Ragav, Lohith and Srisath invest some money in a business in the ratio of 2:3:5 respectively. After 6 months Ragav added $33\frac{1}{3}\%$ of his earlier investment, Lohith also invested extra $16\frac{2}{3}\%$ of his investment. But Srisath withdrew 10% of his investment. If the total profit is Rs.310000, then what will be the share of Srisath at the end of the year?

| A | ۸. | Rs.142500 | В. | Rs.150000 |
|---|----|-----------|----|-----------|
| C | | Rs.152500 | D. | Rs.155500 |

Answer Key - A

62 . Find the curved surface of a right circular cone of slant height 10 cm and height 8 cm.

A. 30π cm²

B. 40π cm²

C. 60π cm²

D. 80π cm²

Answer Key - C

63 . The average scores of 'p' students in a test is 70 and that of 'n' students is 92. The combined average is 86. Find the ratio of n : p.

A. 3:8

B. 4:9

C. 8:3

D. 5:8

Exam Code: SSC 181117 GRAD 1 Exam Date: 18-Nov-2017 Duration: 60 Exam Time: 10:00 am 64 . A bike rider increases his speed by 1 km/hr after every 30 minutes. If the distance travelled in the first half an hour is 30 km, what is the distance covered in 5 hours? A. 275 km B. 300 km C. 345 km D 400 km Answer Kev - C 65. An automobile financier claims to be lending money at Simple Interest, but he includes the interest every six months for calculating the principal. If he is charging an interest of 10%, find the effective rate of interest. A. 10% B. 10.25% C. 11% D. 11.5% Answer Key - B The difference between the Simple Interest received from two different sources on Rs.1500 66. for 3 years is Rs.13.50. Find the difference between their rate of interest. A. 0.1% B. 0.3% C. 0.5% D. 0.6% Answer Key - B **67** . A person invested his savings in equal amounts in two bonds that earned him Rs.550 at Simple Interest in 2 years from the first bond, and Rs.605 at Compound Interest in 2 years from the second bond. If the rate of interest was the same in both cases, what was his savings? A. Rs.1375 B. Rs.2275 C. Rs.2750 D. Rs.5500 Answer Key - C The Simple Interest on a sum at 4% per annum for 2 years is Rs.80. Find the Compound 68. Interest on the same sum for the same period. A. Rs.81 B. Rs.81.40 C. Rs.81.60 D. Rs.82 Answer Key - C 69. A boat covers a certain distance in 2 hours and returns in 3 hours. If the speed of the stream is 4 km/hr, what is the speed of the boat? A. 20 km/hr B. 25 km/hr C. 30 km/hr D. 35 km/hr Answer Key - A

Exam Code: SSC_181117_GRAD_1

Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

70. Between 5 o' clock and 6 o' clock, when do the hour hand and minute hand of a clock overlap each other?

A. 05:22:15

B. 05:24:20

C. 05:25:16

D. 05:27:16

Answer Key - D

71.

If
$$\tan \theta = \frac{12}{13}$$
, then $\frac{2 \sin \theta \cos \theta}{\cos^2 \theta - \sin^2 \theta} = ?$

| A. | $\frac{123}{25}$ | B. | $\frac{312}{25}$ |
|----|------------------|----|------------------|
| C. | $\frac{231}{25}$ | D. | $\frac{192}{25}$ |

Answer Key - B

72 . Today is 1st April 2016. The day of the week is Wednesday. Find the day of the week on this day after 4 years.

A. Monday

B. Tuesday

C. Friday

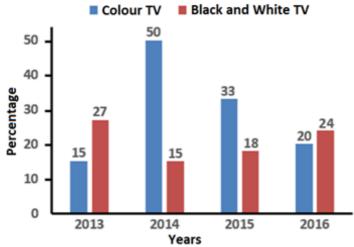
D. Saturday

Exam Code: SSC_181117_GRAD_1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

73. The following bar graph represents the annual percentage growth of sale of television sets over the years.

Study the bar diagram carefully and answer the question based on it.



If the total number of televisions sold in the year 2015 was 36000, then find the number of black and white televisions sold in the same year.

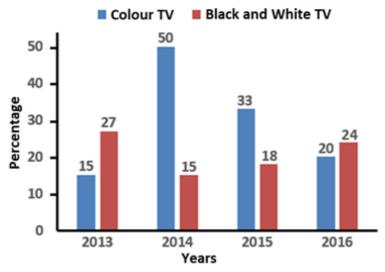
| A. | 6350 | B. | 6380 |
|----|------|----|------|
| C. | 6480 | D. | 6490 |

Exam Code: SSC_181117_GRAD_1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

74. The following bar graph represents the annual percentage growth of sale of television sets over the years.

Study the bar diagram carefully and answer the question based on it.



What was the average of percentage growth in sale of black and white televisions over the given years?

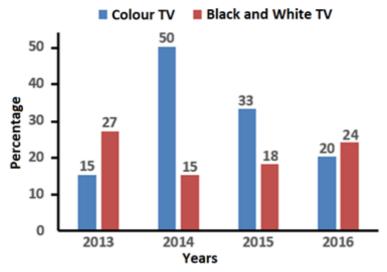
| A. | 18% | B. | 20% |
|----|-----|----|-----|
| C. | 21% | D. | 24% |

Exam Code: SSC_181117_GRAD_1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

75 The following bar graph represents the annual percentage growth of sale of television sets over the years.

Study the bar diagram carefully and answer the question based on it.



What was the increase in the number of televisions sold from 2013 - 2014?

| A. | 31000 | B. | 70000 |
|----|--------|----|-----------------|
| C. | 105000 | D. | Data inadequate |

Answer Key - D

76. What is the expansion of CCTV?

A. Closed Call Television

B. Common Circuit Television

C. Closed Circuit Television

D. Common Closed Television

Answer Key - C

77. Who among the following was the first musician to be felicitated with the Bharat Ratna?

A. Pandit Ravi Shankar

B. M. S. Subbulakshmi

C. Lata Mangeshkar

D. Ustad Bismillah Khan

| Exam Code: SSC_181117_GRAD_1 | | Exam Date: 18-Nov-2017 | |
|------------------------------|--|---------------------------|--|
| Duration: 60 | | Exam Time: 10:00 am | |
| 78 . | is the largest explosion of a star which takes place in space. | | |
| | A. Black Hole | B. Eclipse | |
| | C. Supernova | D. Aurora | |
| | Answer Key - C | | |
| 79 . | The number of ribs in the human body is- | | |
| | A. 6 | B. 12 | |
| | C. 18 | D. 24 | |
| | Answer Key - D | | |
| 80 . | The "Pommel Horse" is a term associated with - | | |
| | A. Gymnastics | B. Tennis | |
| | C. Badminton | D. Chess | |
| | Answer Key - A | | |
| 81 . | is/are a medium to long-term debt instrument used by large companies to bor money at a fixed rate of interest. | | |
| | A. Equity shares | B. Certificate of deposit | |
| | C. Bond | D. Debenture | |
| | Answer Key - D | | |
| 82 . | The Opera House, which is a great architectural work of the 20th century, is located in- | | |
| | A. Sydney | B. Melbourne | |
| | C. Brisbane | D. Canberra | |
| | Answer Key - A | | |
| 83 . | Who among the following was the first woman Prime Minister in the world? | | |
| | A. Golda Meir | B. Indira Gandhi | |
| | C. Sirimavo Bandaranaike | D. Mary Eugenia Charles | |
| | Answer Key - C | | |
| 84 . | The Home Rule League in India was established by Bal Gangadhar Tilak and | | |
| | A. Lal Bahadur Shastri | B. Sarojini Naidu | |
| | C. Annie Besant | D. Lala Lajpat Rai | |
| | Answer Key - C | | |
| | | | |

| Exam Code: SSC_181117_GRAD_1 | | Exam Date: 18-Nov-2017 | |
|------------------------------|--|------------------------|--|
| Du | ration: 60 | Exam Time: 10:00 am | |
| 85 . | A museum dedicated to former President Dr. A. P. J. Abdul Kalam has been opened in city of Kerala, in July 2017. | | |
| | A. Kozhikode | B. Thiruvananthapuram | |
| | C. Kochi | D. Kannur | |
| | Answer Key - B | | |
| 86 . | Srinagar lies in the Kashmir Valley on the banks of the river- | | |
| | A. Indus | B. Jhelum | |
| | C. Chenab | D. Ravi | |
| | Answer Key - B | | |
| 87 . | . Find the wrongly matched country and its capital. | | |
| | A. Germany - Berlin | B. Italy - Rome | |
| | C. Oman - Abu Dhabi | D. Spain - Madrid | |
| | Answer Key - C | | |
| 88 . | The official currency of Indonesia is - | | |
| | A. Euro | B. Dollar | |
| | C. Dinar | D. Rupiah | |
| | Answer Key - D | | |
| 89 . | Who is the Supreme Commander of the Indian Armed Forces? | | |
| | A. Prime Minister | B. President | |
| | C. Defence Minister | D. Army General | |
| | Answer Key - B | | |
| 90 . | Keshari Nath Tripathi is the present Governor of the Indian State of- | | |
| | A. Rajasthan | B. Punjab | |
| | C. West Bengal | D. None of these | |
| | Answer Key - C | | |
| 91 . | "Ring of Fire" is a seismically active belt of earthquake epicentres which is located in the- | | |
| | A. Pacific Ocean | B. Indian Ocean | |
| | C. Atlantic Ocean | D. Arctic Ocean | |
| | Answer Key - A | | |
| | | | |

| Evam | Codo : SSC 191117 CDAD 1 | Even Data : 10 New 2017 | |
|--|--|---|--|
| Exam Code : SSC_181117_GRAD_1 Duration : 60 | | Exam Date: 18-Nov-2017 | |
| Du | ration: 60 | Exam Time: 10:00 am | |
| 92 . | What kind of an animal is "Dhole"? | | |
| | A. Wild Dog | B. Wild Cat | |
| | C. Wild Buffalo | D. Wild Pig | |
| | Answer Key - A | | |
| 93 . | Who is the author of the autobiography "The | Indian Struggle"? | |
| | A. Annie Besant | B. Subhas Chandra Bose | |
| | C. Chittaranjan Das | D. Sardar Vallabhbhai Patel | |
| | Answer Key - B | | |
| 94 . | Which Article of the Indian Constitution is knowery heart of it"? | own as "The very soul of the Constitution and the | |
| | A. Article 32 | B. Article 21 | |
| | C. Article 14 | D. Article 44 | |
| | Answer Key - A | | |
| 95 . | Which of the following is the largest mosque in India? | | |
| | A. Taj-ul Masjid, Bhopal | B. Haji Ali Dargah, Mumbai | |
| | C. Mecca Masjid, Hyderabad | D. Jama Masjid, Delhi | |
| | Answer Key - D | | |
| 96 . | Which of the following states in India is also known as "Pearl of the Orient"? | | |
| | A. Kerala | B. Goa | |
| | C. Gujarat | D. Tamil Nadu | |
| | Answer Key - B | | |
| 97 . | Which five year plan was a failure due to the Chinese aggression, Indo-Pakistan war, and severe drought? | | |
| | A. Third | B. Fourth | |
| | C. Sixth | D. Seventh | |
| | Answer Key - A | | |
| 98 . | Razmnama is the Persian translation of which epic? | | |
| | A. Mahabharata | B. Ramayana | |
| | C. Meghadootam | D. Shakuntala | |
| | Answer Key - A | | |

Exam Code: SSC_181117_GRAD_1 Exam Date: 18-Nov-2017

Duration: 60 Exam Time: 10:00 am

99. Giant Squirrel is the state animal of-

A. Madhya Pradesh B. Maharashtra

C. Nagaland D. Odisha

Answer Key - B

100 . "International Translation Day" is observed on-

A. 3rd September B. 13th September

C. 23rd September D. 30th September