

SSC MTS Question Paper 2020 8th Oct (Shift 1)





Section: General English

1. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required.'

The sound of thunder was followed to a heavy downpour.

A. No substitution required

B. followed of

C. follows by

D. followed by

Ans: D

2. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

Both of us <u>going out</u> for lunch vesterday.

A. going off

B. went out

C. go out

D. No substitution required

Ans: B

3. Select the most appropriate word for the given group of words.

Something which brings bad luck

A. Wicked

B. Devilish

C. Jinxed

D. Monstrous

Ans: C

4. Identify the segment that contains a grammatical error. If there is no error, select 'No error'. Many people from this village have migrated for searching of work.

A. No error

B. Many people from

C. for searching of work

D. this village have migrated

Ans: C

5. Select the INCORRECTLY spelt word.

A. Please

B. Pearl

C. Peasent

D. Plenty

Ans: C

6. Select the most appropriate word for the given group of words.

Animals and plants which live in water

A. Amphibian

B. Aquatic

C. Terrestrial

D. Aerial

Ans: B

7. Select the most appropriate synonym of the given word.

PLENTIFUL

A. Meagre

B. Ample

C. Charming

D. Beautiful

Ans: B

8. Select the INCORRECTLY spelt word.

A. Delicious

B. Delicate

C. Delete

D. Delightfull

Ans: D

9. Select the most appropriate synonym of the given word.

ROYAL

A. Lowly

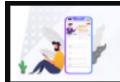
B. Minor

C. Kingly

D. Poorly

Ans: C

10. Select the most appropriate option to substitute the



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underlined segment in the given sentence.

I don't think we can talk to him at all. He wasn't listening.

A. didn't listen

B. doesn't listen

C. hadn't listened

D. will not listening

Ans: B

11. Identify the segment that contains a grammatical error. If there is no error, select 'No error'. His injury does not seems to affect him much.

A. to affect him much

B. does not seems

C. His injury

D. No error

Ans: B

12. Identify the segment that contains a grammatical error. If there is no error, select 'No error'. Life without laughter would be a dull affair.

A. a dull affair

B. Life without laughter

C. No error

D. would be

Ans: C

13. Select the most appropriate option to fill in the blank.

She went in. I was just going to call her when she again.

A. occurred

B. appeared

C. cropped

D. happened

Ans: B

14. Select the most appropriate option to fill in the blank.

_____ hard she tried, Amayra could not memorise the poem.

A. Because

B. Though

C. However

D. While

Ans: C

15. Select the most appropriate ANTONYM of the given word.

FAKE

A. False

B. Bogus

C. Genuine

D. Artificial

Ans: C

16. Select the most appropriate option to fill in the blank.

The terrorists were armed machine guns.

A. by

B. of

C. with

D. for

Ans: C

17. Select the most appropriate ANTONYM of the given word.

MISERABLE

A. Tragic

B. Cheerful

C. Nervous

D. Sad

Ans: B

18. Select the most appropriate meaning of the given idiom.

To be off your food

A. To have no food

B. To help someone

C. To give food to others

D. To have no appetite

Ans: D

19. Select the most appropriate meaning of the given idiom.

To go bananas

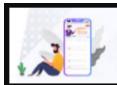
A. To become nervous

B. To feel very hungry

C. To become very excited or angry

D. To keep eating bananas

Ans: C





20. Select the most appropriate option to fill in the blank.

The brave soldiers _____ the position they had lost.

A. caught

B. detained

C. invaded

D. captured

Ans: D

Directions (21-25): In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

My first voyage had been very profitable. I was again a (1)____ man. I did not lack for luxury or entertainment. (2)____ my friend, I could not rest for long. I (3)____ the salt air and the thrill of travel and adventure. Soon I (4)____ by the will of Allah back to the seaport at Basra, (5)___ I found a newly-made ship with fine sails and the best equipment. 21. Select the most appropriate

A. wealthy

B. dull

C. poor

D. healthy

Ans: A

22. Select the most appropriate option to fill in blank no. 2.

option to fill in blank no. 1.

A. And

B. Since

C. But

D. So

Ans: C

23. Select the most appropriate option to fill in blank no. 3.

A. am tasting

B. have tasted

C. had tasted

D. taste

Ans: C

24. Select the most appropriate option to fill in blank no. 4.

A. am pulled

B. was pulling

C. was pulled

D. had pulled

Ans: C

25. Select the most appropriate option to fill in blank no. 5.

A. where

B. wherever

C. while

D. when

Ans: A

Section: General Intelligence and Reasoning

1. Seven persons, A, B, C, D, E, F and G, are sitting along a round table facing outward. C is sitting 2nd to the left of A but to the immediate right of D. B is 3rd to the right of A while G and E are sitting between them. What is the sitting location of F?

A. Between C and D

B. Right of A

C. Right of C

D. Left of D

Ans: C

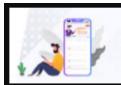
2. Select the Venn diagram that best illustrates the relationship among the following classes.

Mothers, Women, Sisters

Α.



В.





C.,



D.



Ans: C

3. If 'INHABIT' is coded as '106' and 'JUNCTURE' is coded as '99', then how will 'KEYSTONE' be coded?

A. 153

B. 135

C. 154

D. 145

Ans: D

4. "Golf' is related to "Course' in the same way as 'Boxing' is related to ' .

A. Track

B. Court

C. Field

D. Ring

Ans: D

5. Select the option in which the number-pair shares the same relationship as that shared by the numbers of the following number-pair.

. 84:21

A. 60:12

B. 54:27

C. 65: 65 D. 72: 12

Ans: C

6. Which letter-cluster will replace the question mark (?) in the following letter-cluster series? SWA, CGK, MQU, ?

A. XAE

B. WZC

C. VZD

D. WAE

Ans: D

7. Select the option figure that will replace question mark (?) in the following figure series.







?

Α.



В.



C.



D.

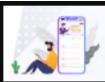


Ans: D

8. Select the option in which the numbers are related in the same way as are the numbers of the following set.

(8, 18, 32)

A. (46, 68, 102)



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B. (35, 52, 80)

C. (50, 72, 98)

D. (52, 78, 128)

Ans: C

9. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

JUDICIAL : LJAUIDCI ::

OUTWARDS:?

A. SDUORAWT

B. UOSDWTRA

C. SODURTAW

D. UOWTRASD

Ans: C

10. Which two signs and two digits can be interchanged so as to balance the given equation?

 $75 = 15 - 18 \times 12 + 17 = 79$

A. + and \times ; 5 and 8

B. – and \times ; 7 and 5

C. \times and -; 2 and 5

D. – and \div ; 2 and 5

Ans: D

11. Which number will replace the question mark (?) in the following number series?

6, 15, 42, ?, 366, 1095

A. 125

B. 123

C. 129

D. 126

Ans: B

12. In a certain code language, if BUBBLE is written as FQFXPA, then how will FALCON be written in the same code language?

A. JEPGSR

B. BEHGKR

C. BWHYKJ

D. JWPYSJ

Ans: D

13. Two statements are given, followed by two conclusions

numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some Plates are Bowls.

Some Bowls are Cups.

Conclusions:

I. Some Plates are Cups.

II. Some Bowls are Plates.

A. Both conclusions I and II follow.

B. Neither conclusion I nor II follows.

C. Only conclusion I follows.

D. Only conclusion II follows.

Ans: D

14. A paper is folded and cut as shown in the following figures. How will it appear when unfolded?



A.



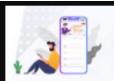
В.



C.



D.







Ans: C

15. Which two signs can be interchanged so as to balance the given equation?

 $8 - 13 + 32 \div 8 \times 17 = 91$

A. + and \times

 $B. - and \times$

 $C. \div and \times$

D. + and -

Ans: B

16. If in a coding system, HECTARE is coded as 8532195 and MONARCH is coded as 4651938, then how will OPINION be coded in the same coding system?

A. 6795965

B. 4735345

C. 7795975

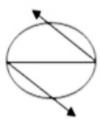
D. 6785865

Ans: A

17. Select the correct mirror image of the given figure when the mirror is placed to the right side of the figure.



Α.



В.



C.



D.



Ans: B

18. A sales representative plans to visit each of six stores U, V, W, X, Y and Z exactly once during the course of one day. He is setting up his schedule for the day in accordance with the following conditions:

(i). He must visit U before V and Z.

(ii). He must visit V before Y.

(iii). The third store he visits must be X.

The sales representative could visit any of the following companies immediately after X, except:

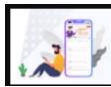
A. W

B. V

C. Y

D. U

Ans: D



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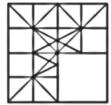
- 19. 'Doe' is related to 'Stag' in the same way 'Bee' is related to
- A. Gander
- B. Foal
- C. Drake
- D. Drone

Ans: D

- 20. Which number will replace the question mark (?) in the following number series?
- 12, 18, 21, 27, 30 ?
- A. 33
- B. 39
- C. 34
- D. 36

Ans: D

21. Identify the option figure that when placed in the blank space completes the pattern in the given question figure.



Δ



R



C.



D.



Ans: A

- 22. Five friends are sitting on a bench facing North and South alternately. R is sitting at the left corner and facing North, and T is second to the right of R. If P is third to the left of Q, then what is the sitting position of S?
- A. Facing South and right of T
- B. Facing North and left of Q
- C. Facing North and right of T
- D. Facing South and left of P

Ans: A

- 23. In a certain code language, if GLAZED is written as EDAZGL, then how will DAYOUT be written in the same code language?
- A. UTYODA
- B. UTDAYO
- C. TUOYAD
- D. YADTUO

Ans: A

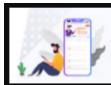
24. Identify the option figure which is embedded in the following figure (rotation is NOT allowed).



Α



В.







Ans: B

25. Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some Rackets are Bats.

All Bats are Sticks.

Conclusions:

I. All Rackets are Sticks.

II. Some Rackets are not Sticks.

III. Some Sticks are Rackets.

A. Both conclusions I and III follow.

B. Only conclusion II follows.

C. Only conclusion III follows.

D. Only conclusion I follows.

Ans: C

Section: Numerical Aptitude

1. 8 women and 8 girls can finish a piece of work in 6 days, whereas 4 women and 10 girls can finish it in 8 days. In how

many days will one girl finish it working alone?

A. 120

B. 144

C. 72

D. 84

Ans: B

2. The length (in m, correct to one decimal place) of the longest pole that can be fitted in a room of dimensions $12 \text{ m} \times 6 \text{ m} \times 4 \text{ m}$

A. 7.2

B. 14.0

C. 13.4

D. 12.6

Ans: B

3. A fort had provision for 400 men for 60 days. After 35 days, 100 more men came. For how many days would the provisions last, assuming all men consumed food equally?

A. 30

B. 35

C. 20

D. 28

Ans: C

4. 900 g द्रव्यमान वाले पुडिंग (Pudding) में आटा, चीनी और मक्खन, तीन सामग्रियां हैं। इसमें चीनी की तुलना में तीन गुना अधिक आटा है और मक्खन की तुलना में दो गुना अधिक चीनी है। व्यंजन (recipe) में कितना आटा (g में) है?

A. 600

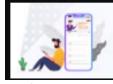
B. 550

C. 750

D. 500

Ans: A

5. The simple interest on a certain amount of money is 27%



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of the principal amount. The time for which the money is lent is one-third of the numerical value of the rate per cent per annum. What is the rate per cent?

A. 15%

B. 12%

C. 9%

D. 6%

Ans: C

6. A company produced a new energy drink of three different flavours — P, Q and R-for athletes. The production of the three flavours over a period of six years from 2001 to 2006 has been expressed in the bar graph shown below. Study the graph and answer the question that follows.

Production of Three Different Flavours P, Q and R of energy drink by $\boldsymbol{\epsilon}$



What is the difference between the average production of bottles of flavour Q in 2004, 2005 and 2006 and the average production of flavour P in 2001, 2002 and 2003?

A. 33,40,000

B. 50,00,000

C. 40,00,000

D. 33,30,000

Ans: B

7. The numbers 5, 7, 8, 10, 12, 13 and N are arranged in ascending order. If the mean of

the numbers is equal to the median, the value of N is:

A. 16

B. 25

C. 15

D. 14

Ans: C

8. If the internal dimensions of a rectangular closed wooden box are 30 cm, 18 cm and 23 cm, what space (in cm³) will it occupy, if the wood used is 1 cm thick?

A. 12420

B. 16000

C. 14136

D. 9408

Ans: B

9. Pipes P and Q can fill a completely empty tank in minutes and in 36 minutes, respectively, when opened independently. Pipe R can empty the completely filled tank in 30 minutes. Initially all the three pipes P, Q and R, are opened simultaneously. After how many minutes should pipe Q be closed so that the tank is filled in 1 hour?

A. 18

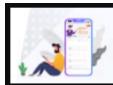
B. 15

C. 24

D. 30

Ans: A

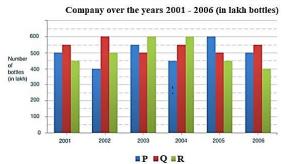
10. A company produced a new energy drink of three different flavours — P, Q and R — for athletes. The production of the three flavours over a period of six years from 2001 to 2006 has been expressed in the bar graph shown below. Study the graph and answer the question that follows.



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Production of Three Different Flavours P, Q and R of energy drink I



For which of the following years is the percentage of increase decrease in production from the previous year the highest for flavour R?

A. 2005, decrease

B. 2002, increase

C. 2006, decrease

D. 2003, increase

Ans: A

11. Which is the largest number that divides 827, 1149 and 1310 to leave the same remainder in each case?

A. 161

B. 116

C. 232

D. 322

Ans: A

12. What is the simplified value of

$$\left(8.5-2\frac{1}{2}\right)$$

of

16.5

$$\left[27.4 - \left\{10\frac{1}{4} \text{ of } 2.5 - \left(1\frac{1}{2} - 1\frac{1}{5}\right)\right\}\right]$$
?

A. 97.075

B. 99.925

C. 96.925

D. 101.075

Ans: C

13. A man is driving to his workplace at five-eighths of his usual speed. He reaches his workplace 36 minutes late. What

is his usual time in hours) of travel?

A. 1

B. 2.5

C. 2

D. 1.5

Ans: A

14. A metal cube of edge 18 cm is melted to form three smaller cubes, which are unequal in dimensions. If the edges of two smaller cubes are 9 cm and 15 cm, what is the surface area in (cm²) of the third smaller cube?

A. 1944

B. 864

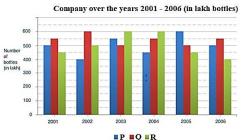
C. 1728

D. 486

Ans: B

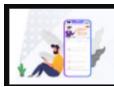
15. A company produced a new energy drink of three different flavours — P, Q and R — for athletes. The production of the three flavours over a period of six years from 2001 to 2006 has been expressed in the bar graph shown below. Study the graph and answer the question that follows.

Production of Three Different Flavours P, Q and R of energy drink by a



What is the percentage (correct to one decimal place) of the total production of flavour P in 2003 and 2004 with respect to the total production of flavour R in 2001 and 2002?

A. 95.0%



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B. 115%

C. 87.0%

D. 105.3%

Ans: D

16. The average weight of 25 boxes in a boat is increased by 2 kg when one of the boxes weighing 68 kg is replaced by a new box. The weight (in kg) of the new box is:

A. 70

B. 118

C. 132

D. 97

Ans: B

17. Four years ago, the average age of a group of five members was 38 years. One more man joins the group and the present average age of the group members becomes 44 years. What is the present age (in years) of the new member?

A. 74

B. 52

C. 30

D. 54

Ans: D

18. A boat sails downstream from a point P to point Q, which is 24 km away from P, and then returns to P. If the actual speed of the boat (in still water) is 6 km/h, the entire trip from P to Q takes 3 hours less than that from Q to P. What should be the actual speed (in km/h) of the boat to sail from P to Q in 2 hours?

A. 12

B. 15

C. 10

D. 22

Ans: C

19. A number was divided by 8, instead of being multiplied by 8.

As a result of this, there was an error in the answer. What is the percentage difference (correct to two places of decimal) in the answer due to this miscalculation?

A. 48.67%

B. 67.33%

C. 98.44%

D. 72.00%

Ans: C

20. A man sells 30 apples for the cost price of 40 apples. His profit percentage (correct to two places of decimal) is:

A. 33.33%

B. 25.00%

C. 30.67%

D. 40.33%

Ans: A

21. What will be the compound interest (in ₹) on ₹10,000 for 2 years at 5% per annum, compounded annually?

A. 11,025

B. 1,000

C. 1,025

D. 11,000

Ans: C

22. A man sells two items at ₹250 each. What is the value (in ₹) of the profit or loss incurred in this transaction, if he sells one at a profit of 25% and the other at a loss of 25%?

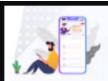
A. Profit, 33.33

B. Profit, 66.67

C. Loss, 66.67

D. Loss, 33.33

Ans: D



23. The value of $\frac{\frac{1}{6} + \left[4\frac{3}{4} - \left(3\frac{1}{6} - 2\frac{1}{3}\right)\right]}{\left(\frac{1}{5} \text{ of } \frac{1}{5} \div \frac{1}{5}\right) \div \left(\frac{1}{5} \div \frac{1}{5} \times \frac{1}{5}\right)}$ lies

between:

- A. 4.2 and 4.3
- B. 4.0 and 4.1
- C. 4.3 and 4.4
- D. 4.6 and 4.8

Ans: B

24. A shopkeeper earns a profit of 40% on the cost price of an article after giving three consecutive discounts of 5%, 10% and 15% to a customer. What would have been the profit percentage, had the shopkeeper given discounts of 5% and 10% only?

A. 59.71%

- B. 66.71%
- C. 64.71%
- D. 74.71%

Ans: C

25. A sum of ₹2,130 is to be divided into three parts. The second part is 60% of the first, and the ratio of the first to third part is 5 : 7. What are the parts (in ₹)?

A. 426, 710, 994

- B. 710, 426, 994
- C. 994, 710, 426
- D. 710, 994, 426

Ans: B

Section: General Awareness

1. Which Indian cricket player's autobiography is titled 'Playing It My Way'?

A. Ravi Shastri

- B. Kapil Dev
- C. Sourav Ganguly
- D. Sachin Tendulkar

Ans: D

2. Who among the following was appointed as the Managing Director and CEO of HDFC Bank in August 2020?

A. Aditya Puri

B. Raamdeo Aggarwal

C. Manoj Sinha

D. Sashidhar Jagdishan

Ans: D

3. A large, muscular sheet called _____forms the floor of the chest cavity.

A. diaphragm

- B. larynx
- C. duodenum

D. alveoli

Ans: A

4. Who among the following was India's first world champion in any sport after independence?

A. Milkh<mark>a</mark> Singh

- B. Lila Ram
- C. Ramanathan Krishnan
- D. Wilson Jones

Ans: D

5. Janapada Geete, which includes the vachanas of Basavanna, is associated with the state of .

A. Odisha

- B. Kerala
- C. West Bengal
- D. Karnataka

Ans: D

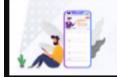
- 6. Which of the following is an autotroph?
- A. Animal

B. Plant

- C. Fungi
- D. Human

Ans: B

7. Which of the following articles of the Constitution of India gives us a description of 'Money Bill'?



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A. 127 B. 110

C. 95

D. 123

Ans: B

8. Whose proclamation of November 1, 1858 declared that thereafter India would be governed by and in the name of the British Monarch through a Secretary of State?

A. King Louis'

B. King Philips'

C. Queen Victoria's

D. Queen Elizabeth's

Ans: C

9. The First Battle of Tarain was fought in the year _____.

A. 1213

B. 1157

C. 1204

D. 1191

Ans: D

10. Which of the following is the indigestible portion of our diet essential to the health of the digestive system?

A. Fats

B. Roughage

C. Carbohydrates

D. Proteins

Ans: B

11. In which Olympic games did India win the gold medal in men's hockey, for the first time post-independence?

A. London

B. Sydney

C. Barcelona

D. Athens

Ans: A

12. Which of the following is a fair held at the shrine of Mastan Shah Vali?

A. Pir Budhan fair

B. Hira Bhumia fair

C. Karam fair

D. Dhamoni Urs

Ans: D

13. Which of the following is the oldest stock exchange in India?

A. DSE

B. BSE

C. CSE

D. NSE

Ans: B

14. In which year did the Sepoy

Mutiny end?

A. 1874

B. 1862

C. 1888

D. 1858 Ans: D

15. The 'Paitkar' paintings are unique cultural symbols of

A. Jharkhand

B. Chhattisgarh

C. Telangana

D. Karnataka

Ans: A

16. Which Article of the Constitution of India declares that laws inconsistent with Part III before the commencement of the Constitution of India, 1950, are void?

A. 10

B. 17

C. 13

D. 19

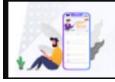
Ans: C

17. Apart from the red and green wavelengths of sunlight, which other wavelength of sunlight is absorbed by water molecules in the ocean?

A. Orange

B. Blue

C. Violet



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D. Yellow

Ans: D

18. Which of the following is an Export Processing Zone (EPZ) set up in West Bengal?

A. Farakka

B. Falta

C. Haldia

D. Midnapur

Ans: B

19. What was India's rank in the 12th edition of the biennial Environment Performance Index (EPI 2020)?

A. 168

B. 177

C. 152

D. 174

Ans: A

20. When an ant bites, it injects acidic liquid (formic acid) into the skin. What among the following should be applied to the skin to neutralise it?

A. Lime juice

B. Tomato pulp

C. Moist baking soda

D. Bleaching powder

Ans: C

21. Which Prime Minister among the following had signed the Assam Accord with the All Assam Gana Sangram Parishad in 1985?

A. PV Narasimha Rao

B. Rajiv Gandhi

C. IK Gujral

D. VP Singh

Ans: B

22. Which year was observed as the International Year of

Freshwater?

A. 2000

B. 2009

C. 2007

D. 2003

Ans: D

23. The Sangeet Natak Akademi Award for contribution to Performing Arts has been conferred on artists since the year

A. 1950

B. 1961

C. 1952

D. 1959

Ans: C

24. Who among the following was the author of the book 'Waiting for a Visa'?

A. Sardar Vallabhbhai Patel

B. Mahatma Gandhi

C. Dr. BR Ambedkar

D. Jawaharlal Nehru

Ans: C

25. The groundwater stored between layers of hard rock below the water table is called:

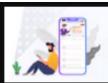
A. glacier

B. hot spring

C. geyser

D. aquifer

Ans: D





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