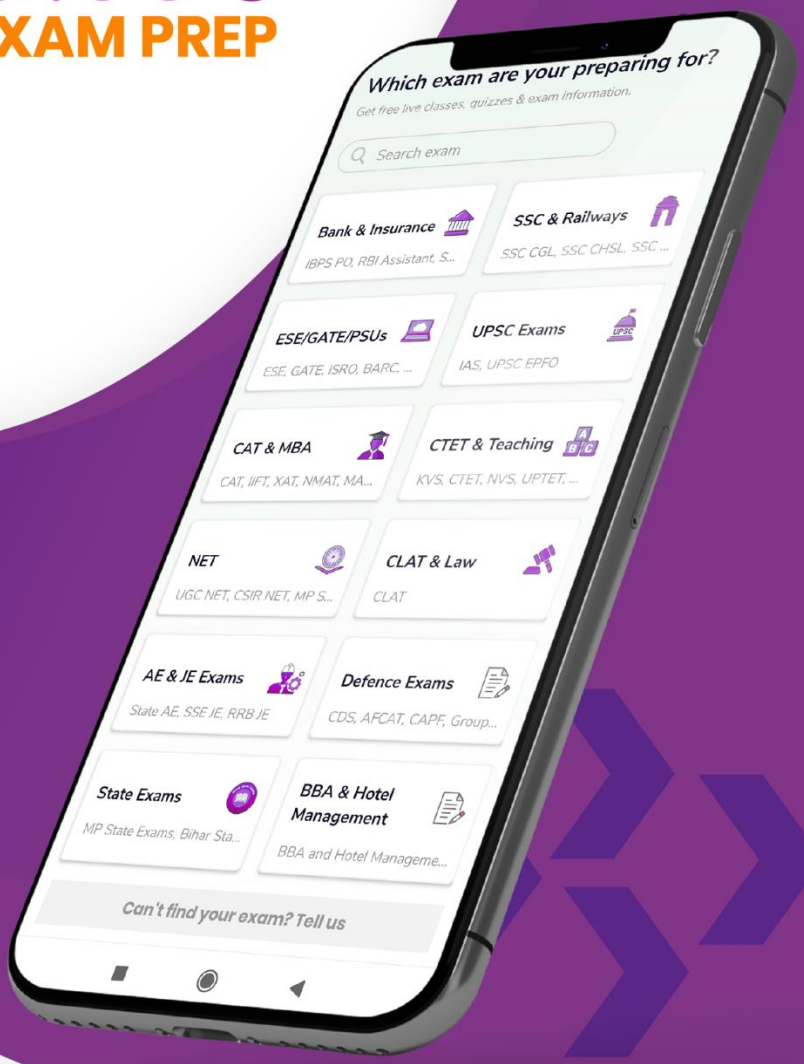
BYJU'S EXAM PREP



SSC MTS Question Paper 2020 7th Oct (Shift 1)

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Section : General English

1. Select the most appropriate word that means the same as the group of words given.
The point at which the earth and the sky appear to meet
A. Crust
B. Horizon
C. Rainbow
D. Ocean
Ans: B

2. Select the most appropriate word to fill in the blank.
There _____ a big park in front of our house.
A. are
B. may be
C. is
D. were
Ans: C

3. Select the most appropriate word to fill in the blank.
To practise yoga, I usually wake up when the sun _____.
A. covers
B. disappears
C. rises
D. sets
Ans: C

4. Select the most appropriate option to substitute the underlined segment in the given sentence.
I have online science classes for Wednesdays.
A. on Wednesdays
B. from Wednesdays
C. in Wednesdays
D. at Wednesdays
Ans: A

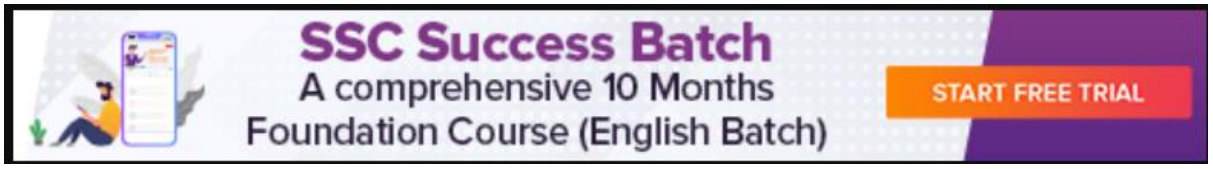
5. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.
The details of the menu for today's party has been worked out.
A. No substitution required
B. have been
C. are been
D. is being
Ans: B

6. Select the most appropriate option to substitute the underlined segment in the given sentence.
If the town had been built at a lower altitude, it will be a lot warmer.
A. would be
B. should be
C. will have been
D. would have been
Ans: D

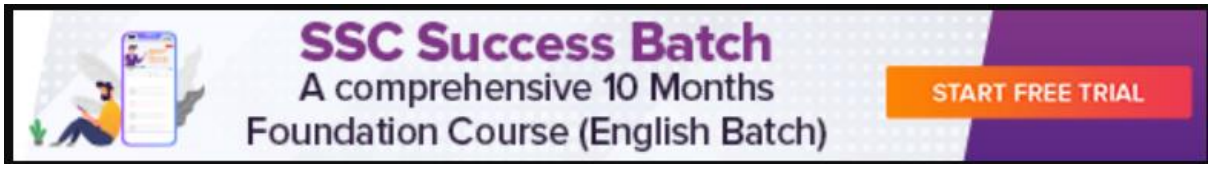
7. Select the most appropriate meaning of the given idiom/phrase.
Go off
A. Continue or happen
B. Stop working
C. Leave or disappear
D. Explain something in detail
Ans: B

8. Select the most appropriate word to fill in the blank.
To an ordinary person, one kind of oil is as important as _____.
A. anything
B. other
C. another
D. none
Ans: B

9. Select the most appropriate ANTONYM of the given word.
END
A. Show
B. Start



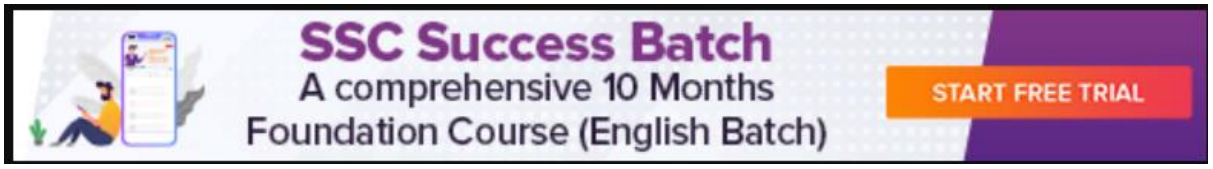
C. Hide
D. Close
Ans: B
10. Select the correctly spelt word.
A. Defferensce
B. Diferense
C. Difference
D. Deferanse
Ans: C
11. The given sentence contains a grammatical error. Identify the segment that contains the error.
Smitha was offered the job although having no qualifications.
A. although having
B. Smitha was offered
C. the job
D. no qualifications
Ans: A
12. The given sentence contains a grammatical error. Identify the segment that contains the error.
Sumanth is going to school by the school bus every day.
A. every day
B. to school
C. Sumanth is going
D. by the school bus
Ans: C
13. Select the most appropriate word that means the same as the group of words given.
The application of scientific knowledge for practical purposes
A. Technology
B. Technicality
C. Discovery
D. Engineering
Ans: A
14. Select the most appropriate word to fill in the blank.
I _____ the film we saw yesterday.
A. didn't like
B. wasn't like
C. doesn't like
D. haven't liked
Ans: A
15. Select the most appropriate ANTONYM of the given word.
CONFIRM
A. Open
B. Agree
C. Reject
D. Accept
Ans: C
16. Select the most appropriate meaning of the given idiom/phrase.
Break in
A. Enter a building illegally
B. End a relationship
C. Be unable to control (one's) feelings
D. Begin to do something) suddenly
Ans: A
17. Select the correctly spelt word.
A. Safficiente
B. Sephient
C. Suffusiance
D. Sufficient
Ans: D
18. The given sentence contains a grammatical error. Identify the segment that contains the error.
How many does the cricket bat cost?
A. the cricket bat
B. does
C. How many
D. cost
Ans: C
19. Select the most appropriate synonym of the given word.
EVIDENT
A. Clear
B. Aimless



C. Complex
D. Confusing
Ans: A
20. Select the most appropriate synonym of the given word.
CALM
A. Excited
B. Quiet
C. Disturbed
D. Claim
Ans: B
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.
Many reports have said that, in the context (1)_____ Covid-19 lockdown, schooling and college education are likely to be online. The reports have (2)_____ pointed out that this change will deny the students the experience of studying in a physical (3)_____. This is because they can only interact with their teachers; they will miss the (4)_____ to get to know their classmates and make real friends. Thus, the current situation has (5)_____ many boys and girls and they are waiting for things to get back to normal.
21. Select the most appropriate option to fill in blank no. 1.
A. of
B. at
C. from
D. in
Ans: A
22. Select the most appropriate option to fill in blank no. 2.
A. also
B. addition
C. though
D. but
Ans: A
23. Select the most appropriate option to fill in blank no. 3.
A. condition
B. area
C. campus
D. situation
Ans: C
24. Select the most appropriate option to fill in blank no. 4.
A. reward
B. opportunity
C. conduct
D. award
Ans: B
25. Select the most appropriate option to fill in blank no. 5.
A. supported
B. encouraged
C. discouraged
D. upset
Ans: D

Section : General Intelligence and Reasoning

1. Which two numbers should be interchanged to make the given equation correct?
42 ÷ 7 × 5 + 35 – 49 = 18
A. 42 and 49
B. 35 and 49
C. 5 and 35
D. 42 and 35
Ans: D
2. In a certain code language, 'HOUSE' is written as '81261922' and 'INK' is written as '181411'. How will 'MISTAKE' be written in that language?
A. 14901920261222
B. 13181920261122
C. 13181819261105
D. 13091920011122



Ans: B

3. Which of the following numbers will replace the question mark (?) in the given series?

11, 22, 25, ?, 105, 630

A. 29

B. 55

C. 75

D. 100

Ans: D

4. Select the option that will replace the question mark (?) in the figure given below to complete the pattern.

A.

B.

C.

D.

Ans: B

5. 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:

No bowler is a batsman.

Some bowlers are fielders.

Conclusions:

I. No fielder is a batsman.

II. No batsman is a bowler.

A. Both conclusions I and II follow.

B. Only conclusion I follows.

C. Only conclusion II follows.

D. Neither conclusion I nor II follows.

Ans: C

6. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

25	24	122
31	27	143
35	29	?

A. 197

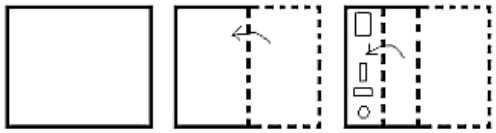
B. 157

C. 114

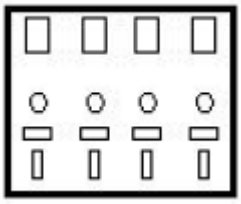
D. 222

Ans: B

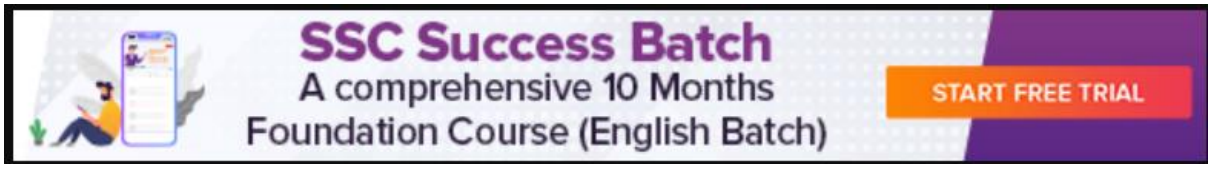
7. A paper is folded and cut as shown below. How will it appear when unfolded?

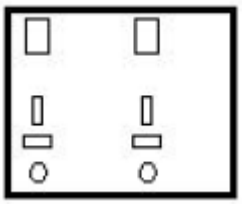


A.

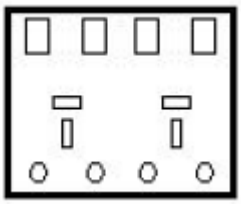


B.

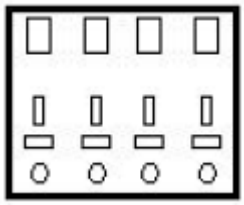




C.



D.



Ans: D

8. If T > H > K > L and V < K > Z = B, then which of the following conclusions is NOT correct?

A. T > L
B. V < T
C. K = B
D. H > Z

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.

CANVAS : DCQZFY :: LOANER : ?

A. MQDSKX
B. MRDRJY
C. MQDRJX
D. MQERJY

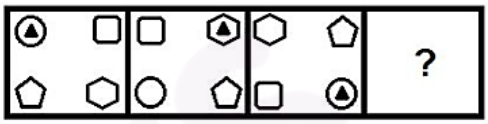
Ans: C

10. Five salesmen A, B, C, D and E are sitting in a meeting around a circular table. A is to the immediate left of E. C is to the immediate left of B. D is sitting between B and A. Who is sitting at the second place to the right of E?

A. B
B. C
C. D
D. A

Ans: A

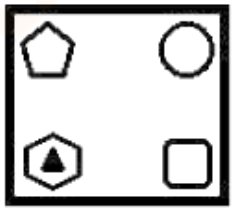
11. Select the figure that will replace the question mark (?) in the following figure series.



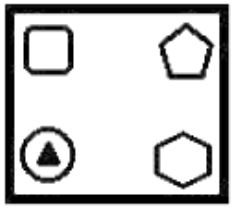
A.

B.

C.



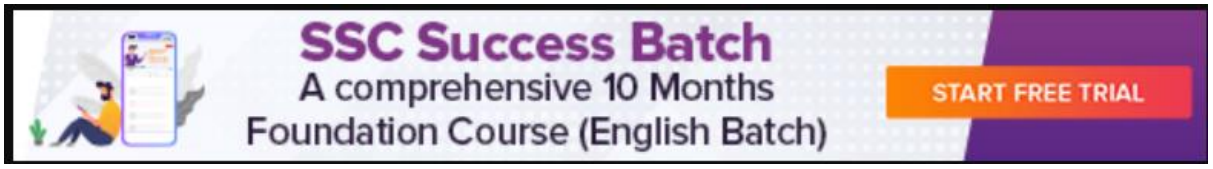
D.



Ans: C

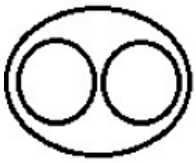
12. Select the option that is related to the third number in the same way as the second number is related to the first number.

6 : 85 :: 12 : ?

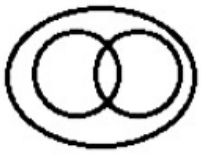


A. 301
B. 210
C. 313
D. 346
Ans: C

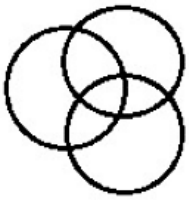
13. Select the Venn diagram that best illustrates the relationship between the following classes.
Females, Mothers, Sisters
A.



B.



C.



D.

Ans: B

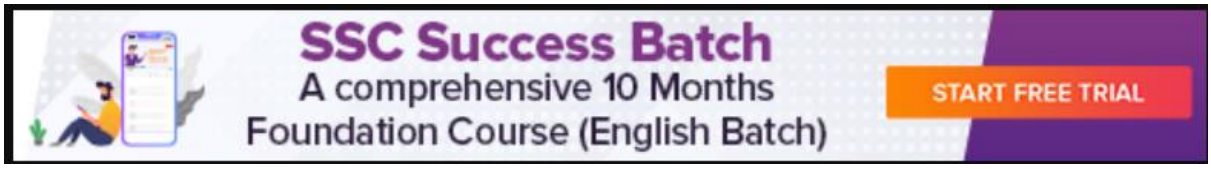
14. In a certain code language, 'FOSTER' is written as '36' and 'DANCE' is written as '25'. How will 'ORCHARD' be written in that language?
A. 64
B. 36
C. 49
D. 45
Ans: C

15. Select the option that is related to the third word in the same way as the second word is related to the first word.
Rupee : Currency :: Summer : ?
A. Heat
B. Season
C. Humidity
D. Temperature
Ans: B

16. Which of the following letter-clusters will replace the question mark (?) in the given series?
FUV, IXW, LAX, ?, RGZ
A. PCY
B. PCX
C. ODY
D. OCW
Ans: C

17. 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 beauticians are architects.
All architects are cashiers.
Conclusions:
I. Some architects are beauticians.
II. Some cashiers are architects.
III. Some cashiers are beauticians.
A. Only conclusions I and III follow.
B. Only conclusions II and III follow.
C. All of the conclusions follow.
D. Only conclusions I and II follow.
Ans: C

18. In a certain code language, 'ROMAN' is written as 'YVTHU'.



How will 'THING' be written in that language?
A. AORSN
B. BCPUN
C. APQUM
D. AOPUN
Ans: D

19. उस विकल्प का चयन करें, जो तीसरे शब्द से ठीक उसी प्रकार संबंधित है, जिस प्रकार दूसरा शब्द पहले शब्द से संबंधित है।

आनंददायक : सुखद :: उत्कृष्ट : ?

A. संपन्न

B. हास्यपूर्ण

C. उत्तम

D. प्रसन्न

Ans: C

20. In a certain code language, 'CLASS' is written as 'TTBMD'. How will 'DINOSOUR' be written in that language?
A. SVPTPOJE
B. SVPRPJKF
C. SWPUPOJE
D. SXOSPOJE
Ans: A

21. Which of the following numbers will replace the question mark (?) in the given series?
50, 86, ?, 127, 136, 140, 141
A. 123
B. 99
C. 111
D. 103
Ans: C

22. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

A.

B.

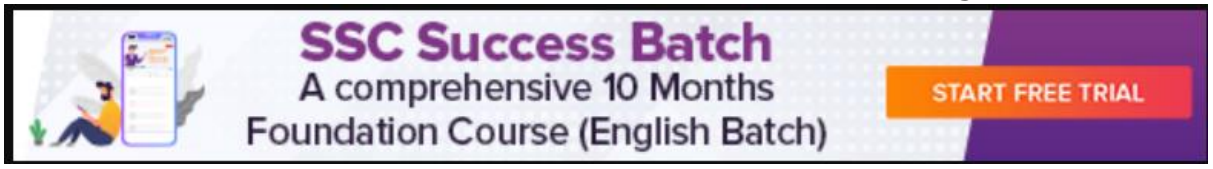
C.

D.

Ans: A

23. If A denotes 'addition', B denotes 'multiplication', C denotes 'subtraction, and D denotes 'division', then what will be the value of the following expression?
5 B 5 B 3 A 14 C (28 D 7) A 5 B (13 C 9)
A. 105
B. 112
C. 95
D. 45
Ans: A

24. Eight friends P, Q, R, S, T, U, V and Ware sitting in two lines,



with four friends sitting in each line. Both the lines are facing north. The four persons in the back line are exactly behind the four persons in the front line. P is between T and W. Q is just behind T. Q, who is to the immediate left of S, is also at one of the corners in the back line. R is between S and U. Who is sitting between P and V?

A. S
B. W
C. T
D. U

Ans: B

25. Select the option figure that is embedded in the given figure (X) as its part (rotation is NOT allowed).

(X)

A.

B.

C.

D.

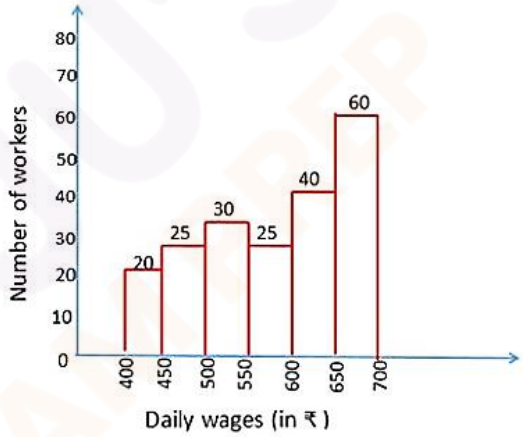
Ans: B

Section : Numerical Aptitude

1. Study the graph and answer the question given below.

The given graph represents the number of workers getting daily wages (in ₹).

Total number of workers = 200



The total number of workers whose daily wages are less than ₹550 is what percentage less than the total number of workers whose daily wages are ₹550 and above?

A. 45%
B. 60%
C. 40%
D. 50%

Ans: C

2. Two numbers are in the ratio 7 : 9. If the sum of their squares is 8320, then the sum of the two numbers is:

A. 128
B. 228
C. 120
D. 124

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Ans: A

3. Out of two numbers, the first number is three-fourth of the second number. If the average of the reciprocals of the two numbers is $\frac{7}{72}$, then the sum of the two numbers is:

A. 21
B. 22
C. 25
D. 20

Ans: A

4. An article was sold at a loss of 18%. If it was sold for ₹2,475 more, then there would have been a profit of 12%. The cost price of the article is:

A. ₹8,250
B. ₹8,500
C. ₹8,000
D. ₹8,200

Ans: A

5. The smallest four-digit number which is exactly divisible by 18, 32 and 48 is:

A. 1252
B. 1156
C. 1256
D. 1152

Ans: D

6. A, B and C are three boxes containing marbles in the ratio 3 : 5 : 7, and the total number of marbles is 75. If 3 marbles are transferred from B to A, and 5 marbles are transferred from C to B, then the new ratio of the marbles is:

A. 6 : 8 : 11
B. 5 : 6 : 7
C. 7 : 9 : 10
D. 6 : 9 : 10

Ans: D

7. From each of the four corners of a rectangular sheet of dimensions 48 cm × 27 cm, a square of side 3.5 cm is cut off and a box is made. The volume of the box is:

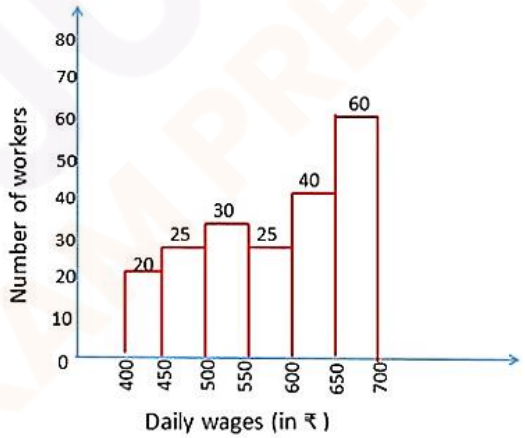
A. 2880 cm^3
B. 2780 cm^3
C. 2870 cm^3
D. 2860 cm^3

Ans: C

8. Study the graph and answer the question given below.

The given graph represents the number of workers getting daily wages (in ₹).

Total number of workers = 200

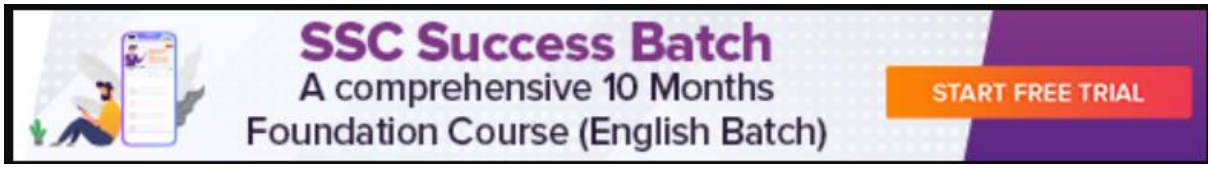


The ratio of the total number of workers whose daily wages are less than ₹500 to the total number of workers whose daily wages are ₹600 and above is:

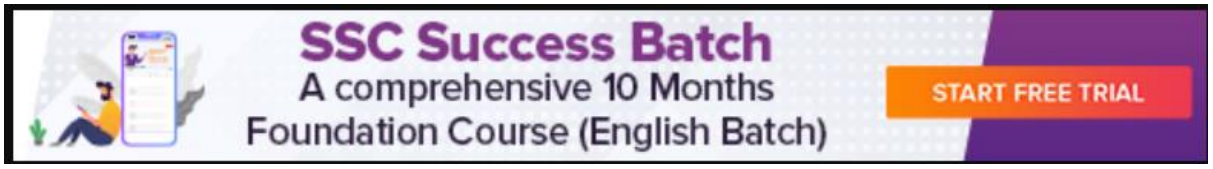
A. 9 : 20
B. 12 : 17
C. 8 : 15
D. 9 : 15

Ans: A

9. The sum of three numbers is 396. If the ratio between the first and the second number is 7 : 11 and that between the second and the third number is 11 : 15, then



the difference between the first and the third number is:
A. 86
B. 94
C. 96
D. 85
Ans: C
10. An article was sold at 65% of its marked price, and thus there was a gain of 30%. Find the ratio of the marked price to cost price.
A. 3 : 2
B. 4 : 3
C. 2 : 1
D. 3 : 1
Ans: C
11. If the area of the base of a cylinder is 346.5cmand the area of the curved surface is 990 cm^2, then its height is: (Take $\pi = \frac{22}{7}$)
A. 10 cm
B. 12 cm
C. 14 cm
D. 15 cm
Ans: D
12. What is the value of x, if $(5 + 4^2) \div 3$ of $x - 2 \times 4 = -7$?
A. −3
B. 5
C. 7
D. −7
Ans: C
13. If the volume of a sphere is $65\frac{10}{21}$ cm^3, then its surface area is:
(Take $\pi = \frac{22}{7}$)
A. $77\frac{4}{7}$ cm^2
B. $76\frac{4}{7}$ cm^2
C. $78\frac{4}{7}$ cm^2
D. $78\frac{3}{7}$ cm^2
Ans: C
14. A sum of 8,500 amounts to ₹11,900 in 5 years at simple interest per annum. If the rate of interest is increased by 3%, then the increased amount for the same period is:
A. ₹12,175
B. ₹13,175
C. ₹12,475
D. ₹13,275
Ans: B
15. A certain number of persons can complete a piece of work in 46 days. If there were 8 persons more, the work could be finished in 16 days less. How many persons were originally there?
A. 25
B. 18
C. 15
D. 20
Ans: C
16. The average of seven consecutive odd numbers is 27. If the last number is removed from the list, then the average of the remaining numbers is:
A. 26
B. 25
C. 24
D. 22
Ans: A
17. The dimensions of a solid metallic cuboid are 36 cm, 54 cm and 24 cm. It is melted and recast into 8 cubes of same volume. The sum of the surface areas (in cm^2) of these 8 cubes is:



A. 10368
B. 11664
C. 9720
D. 15552
Ans: D

18. The income of a company increases by 25% per year. If its income is ₹31,25,000 in the year 2017, what was the income in 2015?
A. ₹25,00,000
B. ₹22,00,000
C. ₹20,00,000
D. ₹20,20,000
Ans: C

19. If the difference between the selling prices of an article, when sold at 22% discount and at 14.5% discount, is ₹285, then the marked price of the article is:
A. ₹3,400
B. ₹3,500
C. ₹3,800
D. ₹32,800
Ans: C

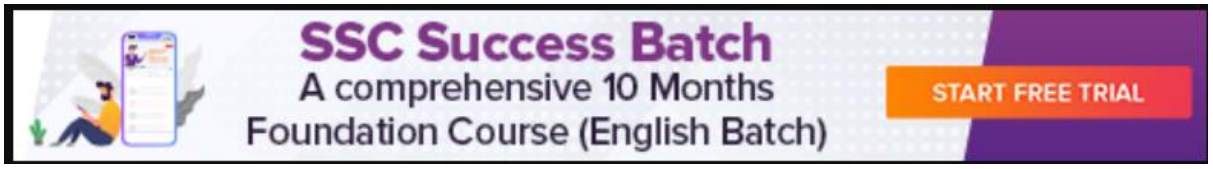
20. A man covered a distance of 280 km in 8 hours on a motorcycle. How much distance will be covered on a bicycle in 2 hours, if he rides the bicycle at $\frac{3}{14}$ of the speed of the motorcycle?
A. 25 km
B. 15 km
C. 24 km
D. 20 km
Ans: B

21. A and B can do a work in 15 days and 25 days, respectively. They worked together for 5 days, after which B was replaced by C and the remaining work was completed by A and C in the next 4 days. In how many days will C alone complete the same work?
A. 24 days
B. 20 days
C. 15 days
D. 25 days
Ans: B

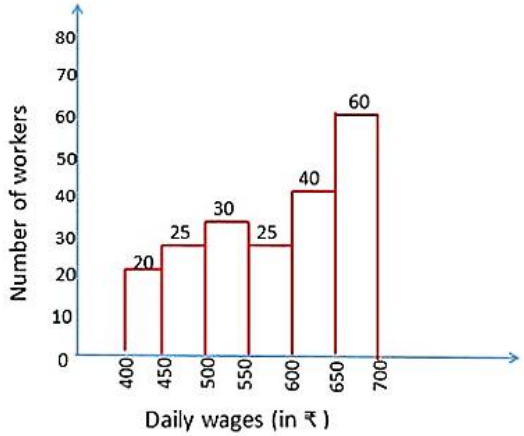
22. At what rate per cent per annum will ₹4,800 amount to ₹5,547 in two years if the interest is compounded annually?
A. 7.5%
B. 7%
C. 8.5%
D. 8%
Ans: A

23. The mean of 25 numbers is 14. If 3 is added to every number, what will be the new mean?
A. 18
B. 17
C. 15
D. 14
Ans: B

24. Walking at $\frac{3}{5}$ of his usual speed, a man covers a certain distance in one hour and 40 minutes more than the time he takes to cover the distance at his usual speed. The time taken by him to cover the same distance at his usual speed is:
A. $\frac{7}{2}$ hours
B. $\frac{3}{2}$ hours
C. $\frac{5}{2}$ hours
D. $\frac{5}{3}$ hours
Ans: C



25. Study the graph and answer the question given below.
The given graph represents the number of workers getting daily wages (in ₹).
Total number of workers = 200



What is the difference between the percentage of workers whose daily wages are less than 500 and the percentage of workers whose daily wages are ₹600 and above?
A. 25%
B. 27%
C. 30%
D. 27.5%
Ans: D

Section : General Awareness

1. 'Povada dance' is a performing art from the state of _____.
A. Gujarat
B. Maharashtra
C. Rajasthan
D. Kerala
Ans: B

2. In which of the following states is Bhiti Chitra (fresco painting) a popular art form?
A. Karnataka
B. Nagaland
C. Haryana
D. Maharashtra
Ans: C

3. The growing voice box in boys can be seen as a protruding part of the throat called _____.
A. bronchi
B. thyroid cartilage
C. trachea
D. Adam's apple
Ans: D

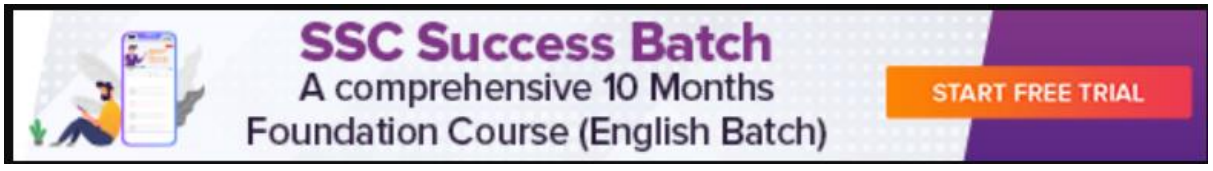
4. Litmus solution is a purple dye, which is extracted from lichen, a plant belonging to the division _____.
A. Gymnosperms
B. Pteridophyta
C. Thallophyta
D. Bryophyta
Ans: C

5. Which part of a flower is the sticky surface at the top of the pistil, it traps and holds the pollen?
A. Style
B. Stigma
C. Sepal
D. Ovary
Ans: B

6. Imphal valley of Manipur is an important centre of _____ craft.
A. Kauna
B. Godna
C. Butta
D. Mirijims
Ans: A

7. Which is the second most important metallurgical industry in India?
A. Iron
B. Copper
C. Aluminium
D. Zinc
Ans: C

8. When did the Indian Army liberate Goa from the Portuguese and declare it a Union Territory?
A. 1967



B. 1961
C. 1952
D. 1969
Ans: B

9. As of July 2020, who among the following was the Director General of Indian Council of Medical Research (ICMR)?
A. Prof. Balram Bhargava
B. Prof. Subrata Sinha
C. Dr. Shyam S Chauhan
D. Dr. Parthaprasad Chattopadhyay
Ans: A

10. Who is the author of the book 'The Best Thing About You is You'?
A. Amitabh Bachchan
B. Anil Kapoor
C. Anupam Kher
D. Annu Kapoor
Ans: C

11. Who among the following is the first Indian to get an Oscar Award?
A. Bhanu Athaiya
B. Satyajit Ray
C. AR Rahman
D. Resul Pookutty
Ans: A

12. In June 2020, Amit Panghal and Vikas Krishan were nominated for _____ by the Boxing Federation of India.
A. Padma Bhushan
B. Rajiv Gandhi Khel Ratna Award
C. Padma Shri
D. Arjuna Award
Ans: B

13. Which of the following is a tidal port?
A. Vishakapatnam
B. Kandla
C. Tuticorin
D. Chennai
Ans: B

14. Provisions of the Consumer Protection Act, 2019 has come into force since _____.
A.12 March 2020
B. 23 June 2020
C. 30 April 2020
D. 20 July 2020
Ans: D

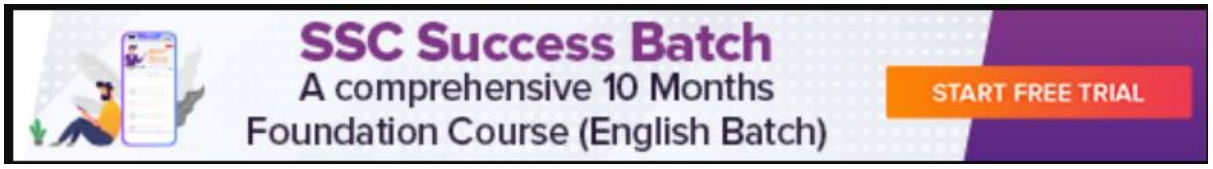
15. Which Commission recommended 27% reservation for OBC candidates in all levels of government services?
A. Sarkaria Commission
B. Mandal Commission
C. Balwant Commission
D. Kothari Commission
Ans: B

16. Which of the following is one of the main mineral constituents of the continental mass of the earth?
A. Bronze
B. Copper
C. Silica
D. Gypsum
Ans: C

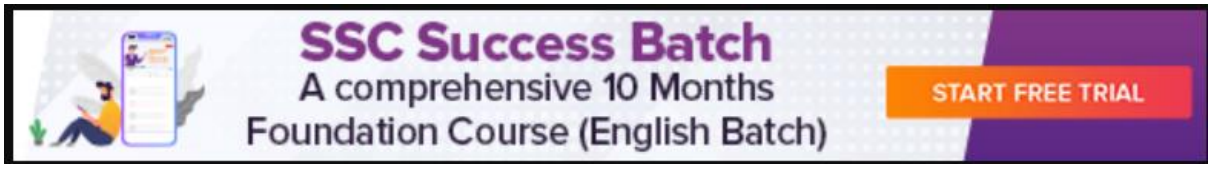
17. Which of the following elements has the highest thermal conductivity of any element and the highest light reflectance?
A. Aluminium
B. Copper
C. Brass
D. Silver
Ans: D

18. In which year was the Treaty of Salbai signed?
A. 1773
B. 1799
C. 1794
D. 1782
Ans: D

19. 10 per cent reservation in central government jobs under



economically weaker sections (EWS) category is available to persons whose family income is below:
A. ₹10 lakh
B. ₹8 lakh
C. ₹3 lakh
D. ₹5 lakh
Ans: B
20. Which of the following is the largest cell in the human body?
A. Sperm
B. Ovum
C. Neurons
D. Osteoclast
Ans: B
21. Name of which river among the following got associated with the water disputes tribunal of 1990 aimed at resolving the old issue of water sharing between Karnataka and Tamil Nadu?
A. Godavari
B. Tapti
C. Krishna
D. Cauvery
Ans: D
22. In which year did the companies IBM and Coca Cola shut down their operations for not being able to comply with the Foreign Exchange Regulation Act that mandated foreign investors cannot own over 40% in Indian enterprises?
A. 1964
B. 1981
C. 1956
D. 1977
Ans: D
23. Which of the following teams won the Indian Super League 2019-2020?
A. ATK Football Club
B. Kerala Blasters
C. North East United
D. FC Goa
Ans: A
24. _____ was one of the first Indian rulers to lead an armed rebellion against the British East India Company in 1824 against the implementation of the Doctrine of Lapse.
A. Kittur Chennamma
B. Titumir
C. Jayi Rajaguru
D. Pazhassi Raja
Ans: A
25. Who among the following social reformers founded an educational institution, Hindu Widows Home, in Poona in the year 1896?
A. Dhondo Keshav Karve
B. Puli Thevar
C. Nanaji Deshmukh
D. Tatya Tope
Ans: A



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