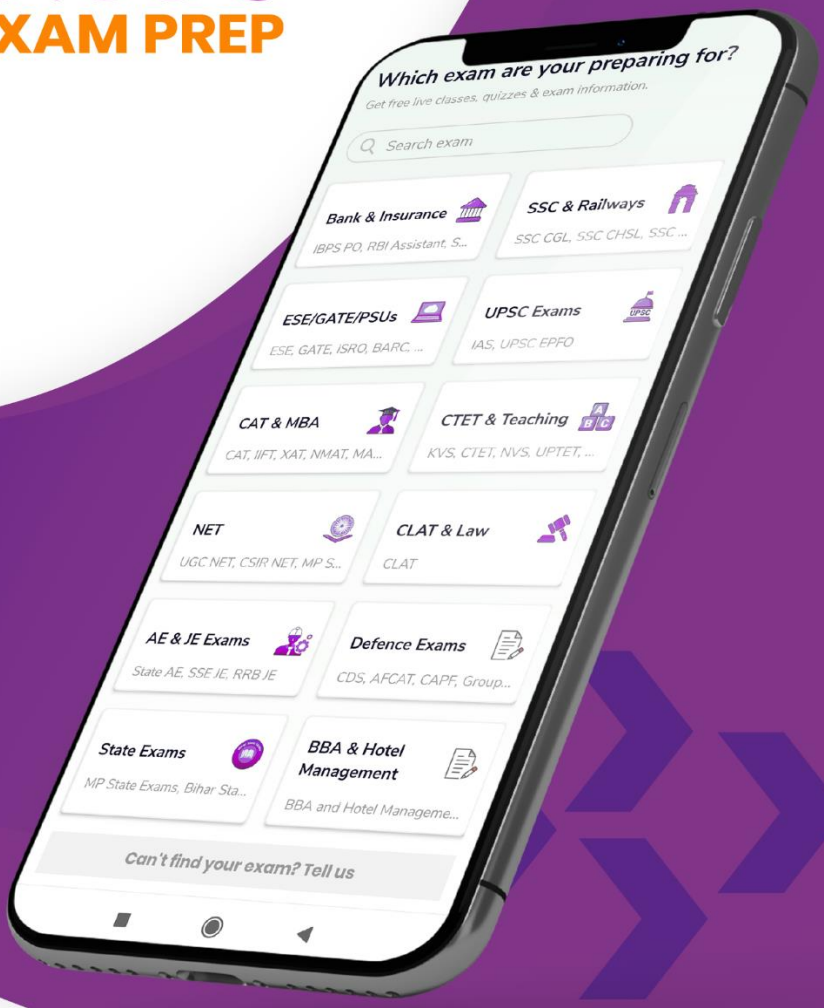
BYJU'S EXAM PREP




# RRB NTPC 2019 CBT 1 Paper 4 Feb 2021 Evening Shift

https://byjusexamprep.com

GET IT ON Google Play

# 4 February 2021
# EVENING SHIFT

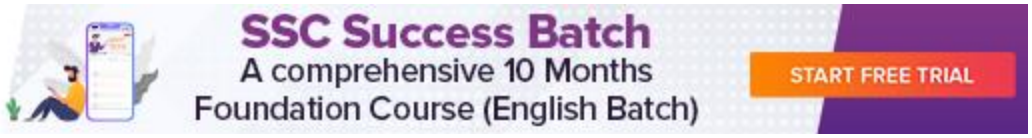
1. _____ was the only Indian dance form present in Michael Jackson's 1991 music video for the hit single 'Black or White
A. Kathakali
B. Kathak
C. Bharatanatyam
D. Odissi
Ans: D

2. If '÷' stands for 'subtraction', '×' stands for division', '+' stands 'multiplication' and '–' for stands for 'addition', then which of the following equations is correct?
A. 12 ÷ 4 – 7 × 2 + 3 = 4
B. 8 ÷ 4 + 2 – 6 × 2 = 4
C. 8 ÷ 4 + 2 –6 × 2 = 5
D. 12 4 – 7 ÷ 2 + 3 = 4
Ans: D

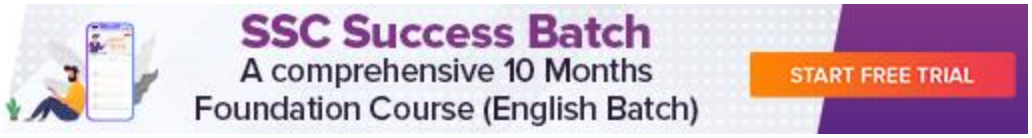
3. Find degree measure of an angle subtended at the centre of a circle of radius 28 cm by an arc of length 22 cm.
A. 40°
B. 45°
C. 55°
D. 50°
Ans: B

4. In July 2017, India's first solar powered train was launched at a railway station in _____.
A. Bengaluru
B. Mumbai
C. Delhi
D. Pune
Ans: C

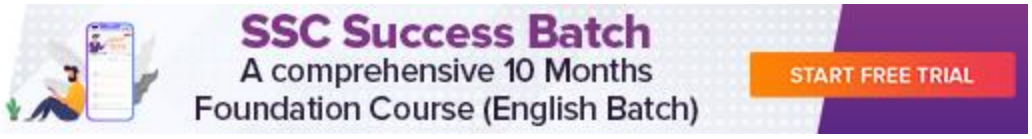
5. If $a^2 + b^2 + c^2 + d^2 = 1$, what will be the maximum value of the product abcd?
A. $\frac{1}{16}$
B. 16
C. $\frac{1}{64}$
D. 64
Ans: A



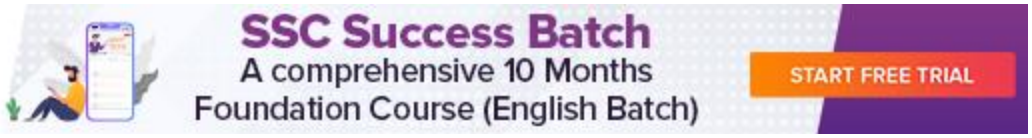
6. Roma introduced a boy saying, "He is the son of the daughter of the father of my son." How is the boy related to Roma?
A. Brother's son
B. Son
C. Brother
D. Daughter's son
Ans: D
7. Which of the following endemic species is NOT found in the Western Ghats?
A. Nilgiri Langur
B. Hispid Hare
C. Brown Palm Civet
D. Nilgiri Tahr
Ans: B
8. Two quantities are in the ratio 3 : 5. If each quantity is decreased by 9 then the ratio becomes 5 : 9. Find the smaller quantity
A. 52
B. 51
C. 54
D. 53
Ans: C
9. Select the number from the given options that can replace the question mark (?) in the following series.
6, 24, 60, 120, 210, ?
A.336
B. 274
C. 368
D. 402
Ans: A
10. Which National Highway connects Delhi and Mumbai?
A. NH10
B. NH1
C. NH12
D. NH8
Ans: D
11. of the four districts listed, three are alike in some manner and one is different. Select the odd one.
Panaji, Surat, Patna, Mumbai.
A. Mumbai
B. Surat
C. Patna
D. Panaji
Ans: B



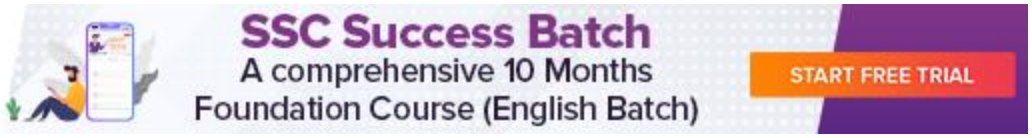
12. The Sikkimese are known for their amazing mask dance. What is this dance form called in Sikkim?
A. Purulia Chhau
B. Chaam
C. Mukha Bhaona
D. Padayani
Ans: B
13. In which wildlife sanctuary/national park do we find the 'Hangul' (Kashmir Stag)?
A. Kanha National Park
B. Dachigam Sanctuary
C. Mudumalai Sanctuary
D. Dudhwa National Park
Ans: B
14. Read the given statement and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.
Statement:
Only students who work hard get good grades.
Conclusions:
I. Hard work is necessary for success.
II. Success is not important for those who do not work hard.
A. Only conclusion I follows.
B. Both conclusions I and II follow.
C. Only conclusion II follows.
D. Neither conclusion I nor II follows.
Ans: A
15. When was Pradhan Mantri Sansad Adarsh Gram Yojana launched?
A. 28$^{th}$ August 2014
B. 23$^{rd}$ July 2010
C. 9$^{th}$ May 2015
D. 11$^{th}$ October 2014
Ans: D
16. What is the driving force and executive body of the European Union (EU)?
A. European Parliament
B. Council of the European Union
C. European Commission
D. Court of Auditors
Ans: C



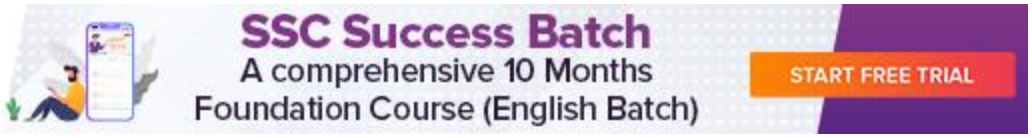
17. Which one of the following is a form of renewable energy?
A. Potential energy
B. Solar energy
C. Electrical energy
D. Chemical energy
Ans: B
18. Which of the following states shares its border with a maximum number of other States/Union territories?
A. Chhattisgarh
B. Madhya Pradesh
C. Rajasthan
D. Uttar Pradesh
Ans: D
19. A daily wage labourer was engaged for a certain number of days for Rs.5,850, but being absent on some of those days he was paid only Rs.5,200. What was his maximum possible daily wage?
A. Rs.700
B. Rs.650
C. Rs.750
D. Rs.600
Ans: B
20. If the largest 4-digit number is subtracted from the smallest 6-digit number, then the remainder will be:
A. 90001
B. 90000
C. 99991
D. 80001
Ans: A
21. Richa purchased a car for Rs.6,50,000 and sold it for Rs.7,80,000. What is the percentage profit she made on the car?
A. 20%
B. 25%
C. 10%
D. 15%
Ans: A
22. Find the compound interest on Rs.1,200 at 12% p.a. for 6 months compounded quarterly.
A. Rs.74.08
B. Rs.72.08
C. Rs.73.08
D. Rs.71.08
Ans: C



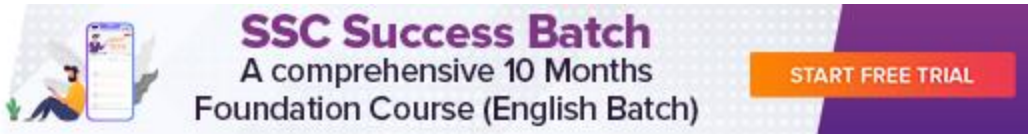
23. Archaeology-related work was started in India in 1784 AD by Europeans, and Asiatic Society of Bengal was formed. Who was its founder?
A. William Jones
B. George Turnour
C. Alexander Cunningham
D. James Prinsep
Ans: A
24. Rakesh donates blood twice in 3 years each time 330 ml. How many litres of blood will he donate in 6 years?
A. 1.32 L
B. 1.36 L
C. 1.30 L
D. 1.34 L
Ans: A
25. Where is Devi Ahilya Bai Holkar Airport situated?
A. Indore
B. Bengaluru
C. Nagpur
D. Chennai
Ans: A
26 Find the area of an equilateral triangle with side 12 cm.
A. $32\sqrt{3}$ $cm^2$
B. $30\sqrt{3}$ $cm^2$
C. $34\sqrt{3}$ $cm^2$
D. $36\sqrt{3}$ $cm^2$
Ans: D
27. If the numbers from 1 to 26 that are divisible by 2 are arranged in descending order, which number will be at the $9^{th}$ place from the bottom?
A. 18
B. 14
C. 16
D. 20
Ans: A
28. The area of a square is 289 $cm^2$. Find the length of its diagonal.
A. $17\sqrt{2}$ cm
B. $19\sqrt{2}$ cm
C. $15\sqrt{2}$ cm
D. $13\sqrt{2}$ cm
Ans: A



29. Rohan and Kundan are good in History and Sanskrit. Shyam and Rohan are good in Mathematics and History. Gopal and Kundan are good in Science and Sanskrit. Shyam, Gopal, and Mohan are good in Mathematics and Arts. On the basis of above information answer question.
Who is good in History, Science, and Sanskrit?
A. Shyam
B. Gopal
C. Kundan
D. Rohan
Ans: C
30. Where and when was SAARC (South Asian Association for Regional Cooperation) formed?
A. India, 1987
B. Bangladesh, 1985
C. Sri Lanka, 1988
D. Pakistan, 1981
Ans: B
31. _____is one of the recipients of the Ramon Magsaysay Award.
A. CNR Rao
B. Arvind Kejriwal
C. Suprabha Seshan
D. Nirmala Deshpande
Ans: B
32. _____ is the oldest Trade Union Organisations in India.
A. CITU
B. AITUC
C. BMS
D. INTUC
Ans: B
33. In which year was the Jawahar Gram Samridhi Yojana launched? Ans
A. 1999
B. 2016
C. 1998
D. 2001
Ans: A
34. Select the option that is related to the third term in the same way as the second term is related to the first term.
Rabbit : Hop :: Snake : ?
A. Jump
B. Run
C. Fly
D. Crawl
Ans: D



35. Which colour deviates the least when light passes through a prism?
A. Violet
B. Blue
C. Red
D. Green
Ans: C
36. Flooring of a room 12 m long and 8 m wide is to be designed by squares of maximum possible area. Find the number of square designs required.
A. 5
B. 6
C. 8
D. 4
Ans: B
37. Find the ratio of the measure of an angle of a regular pentagon to that of a regular octagon.
A. 6 : 7
B. 4 : 5
C. 5 : 6
D. 7 : 8
Ans: B
38. Which was the last country to join BRICS?
A. Russia
B. China
C. South Africa
D. India
Ans: C
39. _____ is NOT a carnivorous plant.
A. Sundew
B. Corkscrew
C. Monkeycup
D. Tiger Lily
Ans: D
40. Which of the following monuments belongs to UNESCO's List of World Heritage Sites in India?
A. Krimchi Temple
B. Vaishno Devi
C. Khajuraho
D. Akshardham Temple
Ans: C



41. The diameter of a wheel is 88 cm. Find the number of revolutions in which it will cover a distance of 8712 m. (Use π = $\frac{22}{7}$)

A. 3450
B. 3250
C. 3150
D. 3350
Ans: C

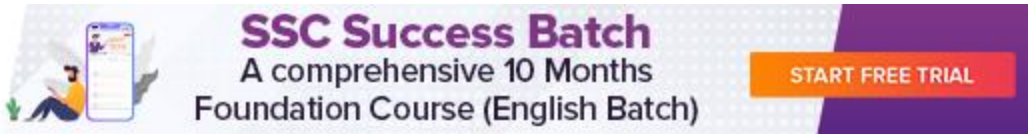
42. Who among the following can introduce a Government Bill?
A. Minister in the Lok Sabha
B. Member of the Treasury bench in the Lok Sabha
C. Minister in any house of the Parliament
D. Member of the Parliament who is not a Minister
Ans: C

43. The Dhauladhar range in the Himalayas is a part of:
A. Central Himalayas
B. Lesser Himalayas
C. Trans-Himalayas
D. Shiwalik
Ans: B

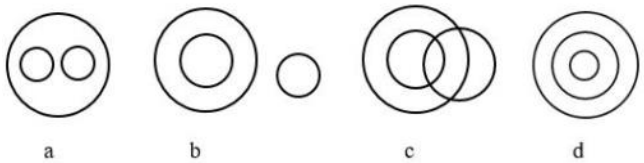
44. According to Living Planet report 2020, largest wildlife population loss has been found in _____.
A. North America
B. Europe
C. Asia
D. Latin America
Ans: D

45. Who is known as the 'Father of Civil Services' in India?
A. Mahatma Gandhi
B. Warren Hastings
C. Charles Cornwallis
D. Robert Clive
Ans: C

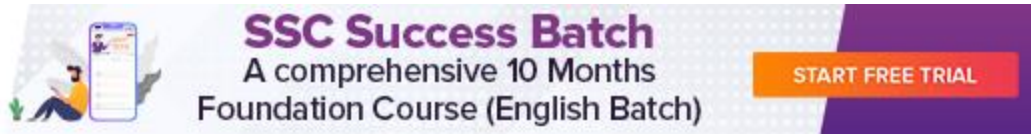
46. Who was awarded the Bharat Ratna Award before becoming the President of India?
A. VV Giri
B. Pranab Mukherjee
C. Rajendra Prasad
D. S Radhakrishnan
Ans: D



47. Bamboo flowering causes:
A. an increase in the population of rats
B. land to becomes infertile
C. an increase in pests and insects
D. a decrease in rainfall
Ans: A
48. 'Cricket' is related to 'Bat', in the same way as 'Tennis' is related to _____.
A. Racquet
B. Glove
C. Wicket
D. Stick
Ans: A
49. An imaginary line or a line on a map or chart that connects all points having the same depth below a water surface such as sea water is called:
A. Isobar
B. Isohaline
C. Isobath
D. Isogloss
Ans: C
50. A man's working hours per day were increased by 35% and his wages per hour were decreased by 25%. By what percentage were his daily earnings increased?
A. 1.3
B. 1.2
C. 1.25
D. 1.35
Ans: C
51. Select the Venn diagram that best represents the relationship between the following classes.
Mammals, Pigeons, Dogs




A. d
B. a
C. b
D. c
Ans: C



52. Find the missing number.

| | | |
|---|---|---|
| 48 | 24 | 8 |
| 55 | 20 | 11 |
| 63 | ? | 9 |

A. 20
B. 24
C. 28
D. 18
Ans: C

53. A scooterist is travelling at the speed of 50 km/h. How much distance will he cover in $2\frac{1}{2}$ h?

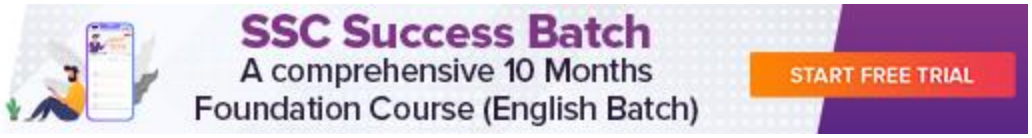
A. 120 km
B. 125 km
C. 135 km
D. 130 km
Ans: B

54. A dog saw a cat at a distance of 280 m. The cat at once ran with the speed of 10 km/h and the dog also ran to catch it with the speed of 24 km/h. How much time will the dog take to catch the cat?
A. 1.3 min
B. 1.2 min
C. 1.4 min
D. 1.5 min
Ans: B

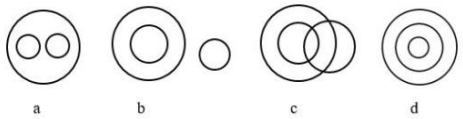
55. What is the sum of the squares of the numbers from 1 to 12?
A. 665
B. 655
C. 660
D. 650
Ans: D

56. The LCM of $\frac{1}{3}, \frac{7}{6}, \frac{5}{9}, \frac{4}{27}, \frac{8}{15}$ is:

A. $\frac{15}{280}$
B. $\frac{280}{3}$
C. $\frac{280}{15}$
D. $\frac{3}{280}$
Ans: B



57. Select the Venn diagram that best represents the relationship between the following classes.
Mothers, Doctors, Women




A. b
B. c
C. d
D. a
Ans: B

58. _____ is a location-based F2S (Farm to Shop) trading platform that helps Indian farmers sell their produce directly to the consumer, thus eliminating the middleman.
A. Fasal
B. Kiran
C. Safal
D. Mandi Trades
Ans: D

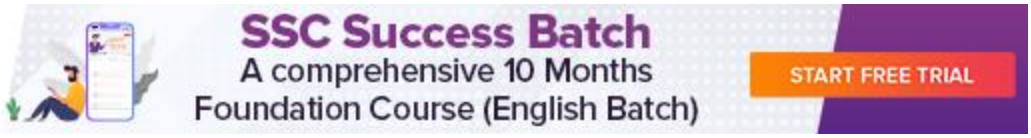
59. The HCF of two numbers is 19 and the other two factors of their LCM are 11 and 13. The larger of the two numbers is:
A. 241
B. 243
C. 247
D. 249
Ans: C

60. Find the value of the following.

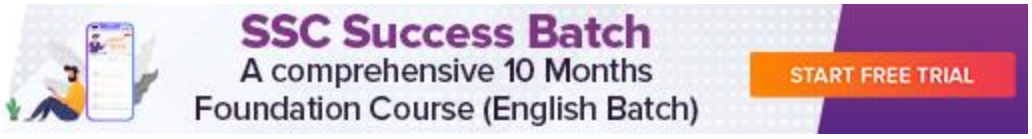
$$\frac{\cos 15^o - \sin 75^o}{\cos 15^o + \sin 75^o}$$

A. 1
B. 0
C. 2 cos 15º
D. ¥
Ans: B

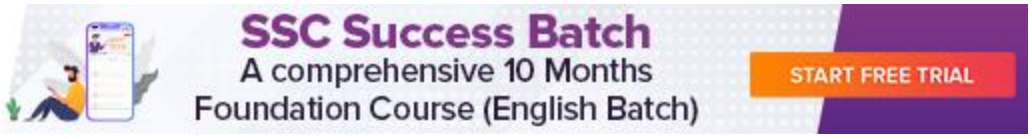
61. Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.
Hard disk, RAM, Mouse, Motherboard.
A. Hard disk
B. Motherboard
C. RAM
D. Mouse
Ans: D



62. In which of the following plant groups are the seeds present inside the fruit?
A. Gymnosperms
B. Angiosperms
C. Bryophytes
D. Pteridophytes
Ans: B
Q.63 Five men A, B, C, D and E are married to five women P, Q, R, S and T (not necessarily in the same order). These men like one shirt among five different colours : red, green, black, yellow and pink (not necessarily in the same order). One man is married to only one woman and likes only one shirt. No two men are married to the same women and does not like the same shirt. C is married to P and does not like black shirt. D likes Pink shirt. R is married to E. E does not like green and black shirt. A likes green shirt but he is not married to Q or T. B is not married to T. Which of the following combination of man, woman and Shirt's colour is correct?
A. C – P – Yellow
B. E – R – Yellow
C. D – Q – Pink
D. B – Q – Black
Ans: D
64. If the sum of two numbers is 84 and their HCF and LCM are 3 and 124 respectively, the sum of the reciprocals of the two numbers will be:
A. $\frac{11}{31}$
B. $\frac{9}{31}$
C. $\frac{8}{31}$
D. $\frac{7}{31}$
Ans: D
65. The area of an isosceles right angle triangle is 81 $cm^2$. Find the length of its hypotenuse.
A. 16 cm
B. 18 cm
C. 14 cm
D. 22 cm
Ans: B



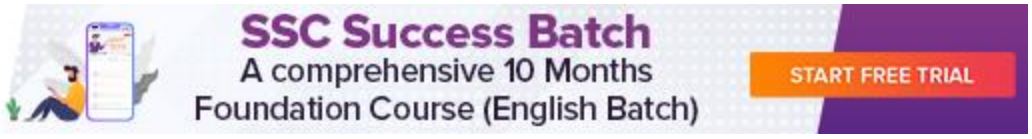
66. In a polygon, the sum of the interior angles is triple the sum of the exterior angles. The number of sides is:
A. 8
B. 7
C. 6
D. 9
Ans: A
67. 35% of a number is the same as 30% of another number. Find the ratio of the first number to the second number.
A. 7 : 9
B. 6 : 7
C. 5 : 7
D. 8 : 9
Ans: B
68. Name the first speaker of the Indian Parliament.
A. BR Ambedkar
B. KM Munshi
C. GV Mavalankar
D. Rajendra Prasad
Ans: C
69. Which British Prime Minister sent Cripps Mission to India?
A. Winston Churchill
B. Robert Walpole
C. Margaret Thatcher
D. Benjamin Disraeli
Ans: A
70. When was GSAT-6A launched and from where?
A. 29 June 2017, Guiana Space Centre (Kourou)
B. 29 March 2018, Satish Dhawan Space Centre (Sriharikota)
C. 6 October 2016, Guiana Space Centre (Kourou)
D. 12 January 2018, Satish Dhawan Space Centre (Sriharikota)
Ans: B
71. Angle 54° is equivalent to (in radians):
A. $\frac{9\pi}{10}$
B. $\frac{7\pi}{10}$
C. $\frac{3\pi}{10}$
D. $\frac{\pi}{10}$
Ans: C



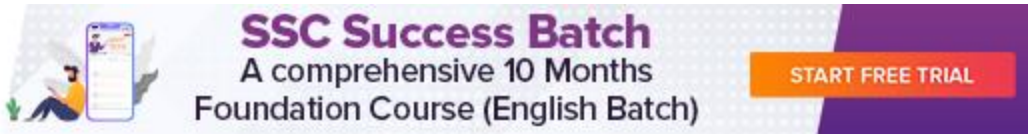
72. The sum of two numbers is 80 and their difference is 8. The ratio of the first number to the second number will be:
A. 11 : 9
B. 13 : 9
C. 12 : 11
D. 13 : 11
Ans: A
73. In the context of computing, a 'spider' is a/an:
A. search engine
B. application for viewing websites
C. program that catalogues websites
D. hacker who breaks into a corporate computer system
Ans: C
74. Who among the following nationalist leaders founded and edited the Marathi newspaper 'Kesari'?
A. Vinayak Damodar Savarkar
B. Vishnushastri Chiplunkar
C. Bhimrao Ambedkar
D. Bal Gangadhar Tilak
Ans: D
75. The selling price of 40 items is equal to the purchase price of 35 items. What is the percentage profit or loss?
A. $12\frac{1}{2}\%$ loss
B. $13\frac{1}{2}\%$ profit
C. $13\frac{1}{2}\%$ loss
D. $12\frac{1}{2}\%$ profit
Ans: A
76. Find the missing number.

| | | |
|---|---|---|
| 6 | 4 | 5 |
| 5 | 4 | 4 |
| 6 | 4 | 5 |
| 14 | 16 | ? |

A. 14
B. 19
C. 18
D. 24
Ans: B



77. Cupcake, Donut, Eclair, Froyo and Gingerbread are codenames for different _____ versions.
A. Piano
B. Android
C. Computer
D. Ca
Ans: B
78. Which of the following keyboard shortcuts will you use to switch to a previously opened program?
A. Ctrl + Home
B. Alt + Shift + Tab
C. Alt + Tab
D. Ctrl + N
Ans: B
79. In October 2018, Indian scientists developed a gel called _____ to protect farmers from toxic pesticides.
A. Hydroxyethyl Cellulose
B. Sodium Polyacrylate
C. Zinc-Oxide
D. Poly-Oxime
Ans: D
80. A man completes a journey in 11 h. He travels first half of the journey at the speed of 25 km/h and the second half at the speed of 30 km/h. Find the total distance of the journey.
A. 300 km
B. 265 km
C. 250 km
D. 285 km
Ans: A
81. Select the letters from the given options that can replace the question marks (?) in the following series.
J L K M O N P R O S ? ?
A. R S
B. U V
C. U T
D. T U
Ans: C



82. $0.5\overline{32}$ is equivalent to the fraction:

A. $\frac{537}{990}$

B. $\frac{572}{990}$

C. $\frac{32}{99}$

D. $\frac{527}{990}$

Ans: D

83. The soccer legend, Johan Cruyff belonged to:

A. Brazil

B. England

C. Netherlands

D. Argentina

Ans: C

84. Which freedom fighter shot General Michael O'Dwyer?

A. Chandra Shekhar Azad

B. Bhagat Singh X

C. Sukh Dev

D. Uddham Singh

Ans: D

85. Which of the following was discovered by Henri Becquerel?

A. Infrared radiation

B. Ultraviolet light

C. X-Rays

D. Radioactivity

Ans: D

Directions (86-89): Study the given table and answer the question that follows. The table gives marks scored by 5 students in 5 subjects in an exam.

| | Name of Students | | | | |
|---|---|---|---|---|---|
| Subject | Jeeva | Justin | Hetal | Kuber | Alia |
| English | 76 | 88 | 54 | 72 | 90 |
| Maths | 82 | 85 | 78 | 64 | 60 |
| Science | 69 | 80 | 82 | 80 | 75 |
| History | 70 | 72 | 76 | 83 | 80 |
| Geography | 86 | 90 | 85 | 80 | 73 |

86. Find the average marks scored in science by the students.

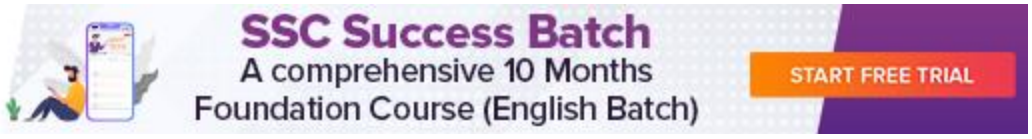
A. 80.4

B. 74.5

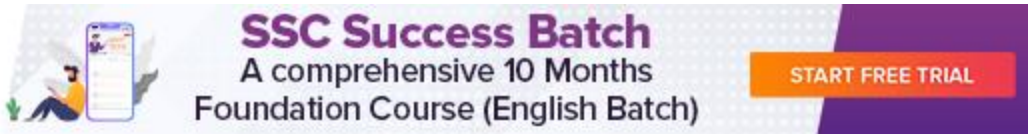
C. 71.8

D. 77.2

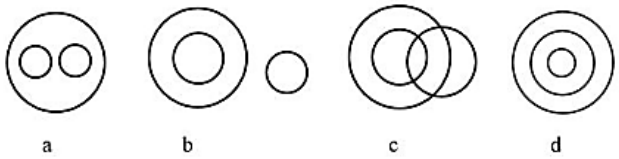
Ans: D



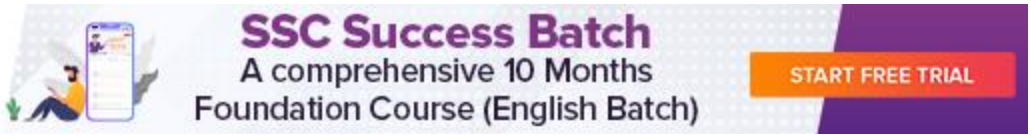
87. Which student has scored highest marks in at least 2 subjects?
A. Jeeva
B. Hetal
C. Justin
D. Alia
Ans: C
88. Which student has scored the second highest overall percentage?
A. Hetal
B. Jeeva
C. Kuber
D. Justin
Ans: B
89. What is the difference in total marks between the first and the fifth ranked students?
A. 91
B. 74
C. 67
D. 82
Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.
90. Identify the letter that does NOT belong to the following series.
E, V, H, S, K, Q, N, M
A. N
B. Q
C. K
D. M
Ans: B
91. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements:
All rats are cats.
Some cats are dogs.
Conclusions:
I. Some rats are dogs.
II. No rat is dog.
III. Some cats are rats.
A. Only conclusion III follows.
B. Only conclusion II follows.
C. Only conclusion I follows.
D. Both conclusions I and III follow.
Ans: A



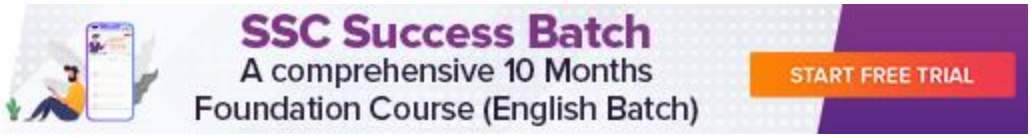
92. If '+' means 'x', '–' means '÷', '×' means '÷' and means '+', then which of the following equations is correct?
A. 8 ÷ 2 × 6 + 8 – 4 = 2
B. 7 × 9 ÷ 6 – 3 + 2 = 6
C. 8 + 6 ÷ 12 × 4 – 2 = 58
D. 12 – 4 × 2 ÷ 5 + 4 = 25
Ans: C
93. Select the Venn diagram that best represents the relationship between the following classes.
Rose, Flower, Lotus




A. c
B. a
C. b
D. d
Ans: B
94. Select the number from the given options that can replace the question mark (?) in the following series.
6, 11, 8, 9, 11, 7, ?, 5
A. 13
B. 15
C. 17
D. 14
Ans: B
95. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.
Statement:
If you want good education for kids admit them to private schools.
Assumptions:
1. Only private schools provide good teachers.
2. Paying hefty fees is worth the tutoring offered at private schools.
A. Neither assumption 1 nor 2 is implicit.
B. Both assumption 1 and 2 are implicit.
C. Only assumption 2 is implicit.
D. Only assumption 1 is implicit.
Ans: A



96. Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.
Bulletin, Workbook, Magazine, Newspaper.
A. Bulletin
B. Magazine
C. Newspaper
D. Workbook
Ans: A
97. Seven persons A, B, C, D, E, F and G work as clerk, PO, IT officer, economist, doctor, lawyer and driver (not necessarily in the same order). Profession of no two persons is same. C works as a Clerk. A does not work as an economist or a doctor. E is not an economist or a doctor. B does not work as a driver or economist or doctor or PO. F works as an IT officer. D is not a doctor or PO.
Who among the following could be working as a PO?
A. G
B. A
C. D
D. B
Ans: B
98. In a certain code language, HOUSE is written as ESUOH. How will CLOCK be written as in that language?
A. KCLOC
B. KOCCL
C. CKLCO
D. KCOLC
Ans: D
99. In a certain code language, TEACHER is written as TFCFLJX. How will TABLE be written as in that language?
A. TBCMF
B. UCEPJ
C. TBDOI
D. UBCMF
Ans: C
100. Sohan told Raju, "Yesterday I met your mother's father's only granddaughter Sunita." Raju added that his mother was the only child to her parents. How is Raju related to Sunita?
A. Nephew
B. Father
C. Sister
D. Brother
Ans: D



BYJU'S EXAM PREP

# Buy Test Series

## Unlock All 650+ Mock Tests for SSC & Railway

- Unlimited Access
- All Exams covered
- Designed by Experts
- Performance Analysis

https://byjusexamprep.com