

# JUET 2026: UG SAMPLE PAPER

Full-Length Mock Test (150 Questions) | Time: 150 Minutes

**Instructions:** There is a negative marking of **0.25** for every wrong answer. For Mathematics, take  $\pi = 22/7$  where applicable.

## SECTION 1: GENERAL ENGLISH (Q. 1 - 40)

**Directions (1-5): Choose the correct Synonym.**

- Abundant**  
A) Scarce B) Plentiful C) Minimal D) Rare
- Candid**  
A) Deceitful B) Frank C) Secretive D) Reserved
- Diligent**  
A) Lazy B) Hardworking C) Careless D) Tired
- Ephemeral**  
A) Eternal B) Short-lived C) Permanent D) Solid
- Zenith**  
A) Bottom B) Middle C) Peak D) Nadir

**Directions (6-10): Choose the correct Antonym.**

- Arrogant**  
A) Proud B) Humble C) Haughty D) Vain
- Barren**  
A) Fertile B) Empty C) Dry D) Harsh
- Opaque**  
A) Cloudy B) Transparent C) Solid D) Dark
- Trivial**  
A) Unimportant B) Minor C) Crucial D) Small
- Vague**  
A) Unclear B) Definite C) Blurred D) Hidden

**Directions (11-15): Choose the correctly spelled word.**

- A) Accommodation B) Accommodation C) Accomodation D) Acomodation
- A) Embarass B) Embarras C) Embarrass D) Embaras
- A) Millenium B) Milleniumm C) Millennium D) Milennium
- A) Receive B) Recieve C) Receve D) Riceive
- A) Seperate B) Separate C) Separete D) Seperat

**Directions (16-20): Meaning of the Idiom.**

- Break the ice**  
A) Start a fight B) Initiate a conversation  
C) Break glass D) Cool down
- Piece of cake**

- A) Hard task B) Sweet item  
C) Easy task D) Expensive thing

- Spill the beans**  
A) Drop food B) Keep a secret  
C) Reveal a secret D) Plant seeds
- Under the weather**  
A) Raining B) Feeling ill C) Sunny D) Cloudy
- Bite the bullet**  
A) Shoot a gun B) Face a difficult situation  
C) Eat fast D) Hide in fear

**Directions (21-25): Fill in the blanks.**

- She is fond \_\_\_ reading books.  
A) off B) with C) of D) in
- He is angry \_\_\_ his brother.  
A) on B) at C) with D) to
- This material is superior \_\_\_ that one.  
A) than B) to C) from D) over
- They insisted \_\_\_ going there.  
A) on B) at C) in D) over
- The man was accused \_\_\_ theft.  
A) for B) of C) with D) by

**Directions (26-30): Subject-Verb Agreement.**

- Neither of the boys \_\_\_ present.  
A) are B) is C) were D) have
- A bouquet of flowers \_\_\_ required.  
A) is B) are C) were D) have
- Bread and butter \_\_\_ his daily food.  
A) are B) were C) is D) be
- Mathematics \_\_\_ my favorite subject.  
A) is B) are C) were D) am
- The jury \_\_\_ divided in their opinions.  
A) was B) is C) were D) has

**Directions (31-35): Identify the part with an error. (If no error, choose D).**

- A) He goes / B) to school / C) by foot. / D) No error
- A) I have visited / B) him / C) yesterday. / D) No error
- A) One of my / B) friend is / C) a doctor. / D) No error
- A) She is / B) more taller / C) than you. / D) No error
- A) Although he worked hard / B) but he / C) failed. / D) No error

**Directions (36-40): Read the passage and an-**

**swer.** Passage: Solar energy is the radiant light and heat from the Sun that has been harnessed by humans since ancient times. It is a renewable energy source that can mitigate climate change. Unlike fossil fuels, it produces no greenhouse gases.

36. What type of energy is solar energy?  
A) Non-renewable B) Renewable C) Fossil D) Nuclear
37. Solar energy is harnessed from:  
A) Wind B) Water C) The Sun D) Coal
38. According to the text, solar energy helps to:  
A) Increase pollution B) Mitigate climate change C) Generate greenhouse gas D) Harm the environment
39. Fossil fuels differ from solar energy because they:  
A) Produce greenhouse gases B) Are renewable C) Come from the sun D) Are radiant
40. The word "mitigate" in the passage means:  
A) Worsen B) Reduce/Lessen C) Ignore D) Create

## SECTION 2: GENERAL KNOWLEDGE (Q. 41 - 80)

41. What is the summer capital of J&K?  
A) Jammu B) Srinagar C) Leh D) Anantnag
42. On which date was Article 370 officially abrogated?  
A) 5 Aug 2019 B) 31 Oct 2019 C) 15 Aug 2018 D) 26 Jan 2020
43. Which is the official bird of J&K?  
A) Peacock B) Snow Leopard C) Black-necked crane D) Pigeon
44. Which city in J&K is known as the "City of Temples"?  
A) Srinagar B) Gulmarg C) Jammu D) Pahalgam
45. Who was recently appointed as the first female Superintendent of Srinagar Central Jail?  
A) Mehbooba Mufti B) Saba Shawl C) Nighat Shafi D) Hina Bhat
46. The J&K Reorganisation Act created how many Union Territories?  
A) 1 B) 2 C) 3 D) 4
47. Wular Lake, one of the largest freshwater lakes in Asia, is located in:  
A) Bandipora B) Shopian C) Udampur D) Doda
48. J&K athlete Muskan Rana won gold at the 38th National Games in:  
A) Wushu B) Archery C) Rhythmic gymnastics D) Boxing
49. The Government of India's first fully digital census is scheduled for which year?  
A) 2025 B) 2026 C) 2027 D) 2030
50. J&K CM Omar Abdullah recently launched an RTI portal covering how many departments?  
A) 10 B) 45 C) 62 D) 100
51. Which river originates from the Verinag Spring?  
A) Chenab B) Jhelum C) Indus D) Ravi
52. The Salal Hydroelectric Project is built on which river?  
A) Chenab B) Tawi C) Ravi D) Jhelum
53. The Constitution of India was adopted on:  
A) 26 Jan 1950 B) 15 Aug 1947 C) 26 Nov 1949 D) 26 Jan 1949
54. Fundamental Rights are contained in which part of the Constitution?  
A) Part II B) Part III C) Part IV D) Part V
55. In which year was the Quit India Movement launched?  
A) 1930 B) 1940 C) 1942 D) 1947
56. Who was the first President of independent India?  
A) J.L. Nehru B) B.R. Ambedkar C) Rajendra Prasad D) Sardar Patel
57. Which Indian city is famously known as the "Pink City"?  
A) Jodhpur B) Udaipur C) Jaipur D) Bikaner
58. Which is the longest river in India?  
A) Brahmaputra B) Godavari C) Yamuna D) Ganga
59. Which is the highest dam in India?  
A) Bhakra Nangal B) Tehri C) Hirakud D) Sardar Sarovar
60. What is the lightest gas?  
A) Oxygen B) Nitrogen C) Hydrogen D) Helium
61. What is known as the powerhouse of the cell?  
A) Nucleus B) Ribosome C) Mitochondria D) Cell Wall
62. Where is the headquarters of ISRO located?  
A) Mumbai B) New Delhi C) Bengaluru D) Hyderabad
63. Who among the following was awarded the Bharat Ratna recently (2024)?  
A) Virat Kohli B) L.K. Advani C) Manmohan Singh D) Ratan Tata
64. The ozone layer protects the Earth from:  
A) Infrared rays B) X-rays C) Ultraviolet (UV) rays D) Gamma rays
65. Who is the current Governor of the Reserve Bank of India (as of 2025/2026)?  
A) Raghuram Rajan B) Urjit Patel C) Shaktikanta Das D) Nirmala Sitharaman
66. Who is known as the "Iron Man of India"?  
A) Subhas Chandra Bose B) Sardar Vallabhbhai Patel C) Bhagat Singh D) B.G. Tilak
67. Which is the largest planet in our solar system?  
A) Saturn B) Earth C) Mars D) Jupiter
68. What is the chemical formula for water?

- A)  $H_2O_2$  B)  $CO_2$  C)  $H_2O$  D)  $O_2$
69. Which is the largest gland in the human body?  
A) Thyroid B) Pancreas C) Liver D) Pituitary
70. Which acid is predominantly found in lemons?  
A) Acetic acid B) Citric acid C) Lactic acid D) Sulfuric acid
71. The Indian National Congress was founded in:  
A) 1857 B) 1885 C) 1905 D) 1919
72. The First Battle of Panipat was fought in:  
A) 1526 B) 1556 C) 1761 D) 1857
73. What is the maximum permitted strength of the Lok Sabha?  
A) 545 B) 550 C) 552 D) 250
74. The Right to Information (RTI) Act was passed in India in:  
A) 2000 B) 2005 C) 2010 D) 2015
75. Which country hosted the G20 Summit in 2023?  
A) Brazil B) USA C) India D) China
76. Which city hosted the 2024 Summer Olympics?  
A) Tokyo B) Paris C) Los Angeles D) London
77. What is the capital of Australia?  
A) Sydney B) Melbourne C) Canberra D) Perth
78. Which Union Territory became the first fully literate administrative unit in India?  
A) Delhi B) Chandigarh C) Lakshadweep D) Ladakh
79. Which region of J&K is promoted as "Mini Switzerland"?  
A) Gulmarg B) Kishtwar-Daksum C) Pahalgam D) Sonamarg
80. Theme of Watershed Yatra 2025 in J&K was:  
A) Save Water B) Jal Layee Dhan Dhaanya C) Green J&K D) Clean River
90. Find the next number: 100, 81, 64, 49, ?  
A) 25 B) 36 C) 40 D) 42
91. If CAT = 24, then DOG = ?  
A) 24 B) 25 C) 26 D) 27
92. If APPLE is coded as ELPPA, MANGO is:  
A) OGNAM B) ONGAM C) OGNMA D) MG-NAO
93. If RED is coded as 18-5-4, BLUE is:  
A) 2-12-21-5 B) 2-11-21-5 C) 2-12-20-5 D) 1-12-21-5
94. If BOY = CPZ, then GIRL = ?  
A) HJSQ B) HJSM C) HJMS D) FHSK
95. If SUN=1, MOON=1, then EARTH = ?  
A) 0 B) 1 C) 2 D) 3
96. A is B's brother. B is C's sister. What is A to C?  
A) Cousin B) Brother C) Uncle D) Father
97. Pointing to a photo, Ram said, "She is my father's only son's wife." How is she related to Ram?  
A) Sister B) Wife C) Mother D) Aunt
98. Your mother's brother's daughter is your:  
A) Sister B) Niece C) Cousin D) Aunt
99. A's father is B. B has no sons. Who is A?  
A) Nephew B) Daughter C) Uncle D) Cousin
100. X is Y's mother. Y is Z's father. What is X to Z?  
A) Mother B) Aunt C) Grandmother D) Sister
101. A boy walks 10m North, turns right and walks 10m, turns right again and walks 10m. What direction is he from his starting point?  
A) North B) South C) East D) West
102. At sunrise, the shadow of a pole falls exactly to the left of A. Which direction is A facing?  
A) North B) South C) East D) West
103. A man walks 5km South, turns left and walks 5km. Which direction is he walking now?  
A) North B) South C) East D) West
104. You walk East, turn right, then turn right again. Which direction are you facing?  
A) North B) South C) East D) West
105. At sunset, a person's shadow falls to their right. Which direction are they facing?  
A) North B) South C) East D) West
106. Dog : Bark :: Cat : ?  
A) Roar B) Meow C) Grunt D) Chirp
107. India : Rupee :: USA : ?  
A) Pound B) Euro C) Yen D) Dollar
108. Book : Read :: Pen : ?  
A) Write B) Paper C) Ink D) Draw
109. Doctor : Hospital :: Teacher : ?  
A) Student B) Books C) School D) Office
110. Circle : Circumference :: Square : ?  
A) Area B) Volume C) Perimeter D) Side
111. Find the odd one out:  
A) Apple B) Banana C) Potato D) Mango
112. Find the odd one out:

### SECTION 3: REASONING (Q. 81 - 120)

81. Find the next number: 2, 4, 6, 8, ?  
A) 9 B) 10 C) 12 D) 14
82. Find the next number: 1, 4, 9, 16, ?  
A) 20 B) 24 C) 25 D) 36
83. Find the next number: 5, 10, 20, 40, ?  
A) 50 B) 60 C) 80 D) 100
84. Find the next letter: A, C, E, G, ?  
A) H B) I C) J D) K
85. Find the next letter: Z, Y, X, W, ?  
A) U B) V C) T D) S
86. Find the next number: 3, 6, 11, 18, ?  
A) 25 B) 27 C) 29 D) 31
87. Find the next number: 10, 9, 7, 4, ?  
A) 0 B) 1 C) 2 D) 3
88. Find the next letter: B, D, F, H, ?  
A) I B) J C) K D) L
89. Find the next number: 2, 5, 10, 17, ?  
A) 24 B) 25 C) 26 D) 28

- A) 4 B) 9 C) 16 D) 20
113. Find the odd one out:  
A) Car B) Bus C) Ship D) Truck
114. Find the odd one out:  
A) Triangle B) Square C) Circle D) Rectangle
115. Find the odd one out:  
A) Rose B) Lily C) Sunflower D) Tree
116. Find the odd one out:  
A) A B) E C) I D) B
117. Find the odd one out:  
A) 11 B) 13 C) 15 D) 17
118. Find the odd one out:  
A) Pen B) Pencil C) Marker D) Book
119. Find the odd one out:  
A) Eyes B) Ears C) Nose D) Heart
120. Find the odd one out:  
A) Tiger B) Lion C) Leopard D) Cow

#### SECTION 4: NUMERICAL ABILITY (Q. 121 - 150)

121. What is 20% of 500?  
A) 50 B) 100 C) 150 D) 200
122. What is the average of 10, 20, and 30?  
A) 15 B) 20 C) 25 D) 30
123. Cost Price is 100, Selling Price is 120. Find profit percentage.  
A) 10% B) 15% C) 20% D) 25%
124. Simplify the ratio 10:20.  
A) 1:2 B) 2:1 C) 10:1 D) 1:10
125. What is half of one-fourth?  
A)  $\frac{1}{2}$  B)  $\frac{1}{4}$  C)  $\frac{1}{6}$  D)  $\frac{1}{8}$
126. Find Simple Interest on Rs. 1000 at 5% per annum for 2 years.  
A) 50 B) 100 C) 150 D) 200
127. Amount = Principal + \_\_\_\_?  
A) Rate B) Time C) Interest D) Discount
128. A shopkeeper buys an item for 500 and sells it at a 10% loss. What is the SP?  
A) 400 B) 450 C) 500 D) 550
129. If  $x + 5 = 10$ , find  $x$ .  
A) 0 B) 5 C) 10 D) 15
130. If  $2x = 16$ , find  $x$ .  
A) 4 B) 6 C) 8 D) 10
131. If  $x^2 = 25$  and  $x$  is positive, find  $x$ .  
A) 5 B) 10 C) 15 D) 20
132. Find the area of a square with side 4 cm.  
A) 8 B) 12 C) 16 D) 20
133. Find the perimeter of a rectangle with length 4 and width 2.  
A) 6 B) 8 C) 10 D) 12
134. Find the volume of a cube with side 3 cm.  
A) 9 B) 18 C) 27 D) 36
135. Find the area of a circle with radius 7 cm.  
A) 44 B) 154 C) 308 D) 616
136. What is the HCF of 10 and 15?  
A) 2 B) 3 C) 5 D) 10
137. What is the LCM of 4 and 6?  
A) 10 B) 12 C) 24 D) 36
138. Add:  $0.5 + 0.25$   
A) 0.30 B) 0.525 C) 0.75 D) 1.00
139. What is  $5^3$ ?  
A) 15 B) 25 C) 100 D) 125
140. What is the square root of 144?  
A) 10 B) 12 C) 14 D) 16
141. Convert  $\frac{3}{4}$  to a percentage.  
A) 25% B) 50% C) 75% D) 100%
142. If speed is 60 km/h and time is 2 hours, find the distance.  
A) 30 km B) 60 km C) 90 km D) 120 km
143. The sum of angles in a triangle is:  
A)  $90^\circ$  B)  $180^\circ$  C)  $270^\circ$  D)  $360^\circ$
144. Which of the following is the largest 2-digit prime number?  
A) 91 B) 93 C) 97 D) 99
145. A can do a work in 10 days, B can do it in 10 days. Together they will finish in:  
A) 5 days B) 10 days C) 15 days D) 20 days
146. If  $A:B = 2:3$  and  $B:C = 3:4$ , find  $A:C$ .  
A) 1:2 B) 2:3 C) 3:4 D) 1:4
147. If 15% of  $x$  is 30, what is  $x$ ?  
A) 100 B) 150 C) 200 D) 300
148. Solve using BODMAS:  $10 + 10 \times 10$   
A) 200 B) 110 C) 100 D) 20
149. The approximate value of  $\pi$  is:  
A) 2.14 B) 3.14 C) 4.14 D) 5.14
150. What is the probability of a fair coin landing on heads?  
A) 0 B)  $\frac{1}{4}$  C)  $\frac{1}{2}$  D) 1

## ANSWER KEY & SOLUTIONS

### ANSWER KEY:

1. B	2. B	3. B	4. B	5. C	6. B	7. A	8. B	9. C	10. B
11. B	12. C	13. C	14. A	15. B	16. B	17. C	18. C	19. B	20. B
21. C	22. C	23. B	24. A	25. B	26. B	27. A	28. C	29. A	30. C
31. C	32. A	33. B	34. B	35. B	36. B	37. C	38. B	39. A	40. B
41. B	42. A	43. C	44. C	45. B	46. B	47. A	48. C	49. C	50. C
51. C	52. A	53. D	54. B	55. A	56. C	57. B	58. C	59. C	60. C
61. D	62. B	63. C	64. C	65. C	66. B	67. C	68. C	69. B	70. D
71. C	72. C	73. B	74. B	75. A	76. B	77. B	78. C	79. B	80. C
81. B	82. C	83. C	84. B	85. V	86. B	87. A	88. J	89. C	90. B
91. C	92. A	93. A	94. B	95. B	96. B	97. B	98. C	99. B	100. C
101. C	102. A	103. C	104. D	105. A	106. B	107. D	108. A	109. C	110. C
111. C	112. D	113. C	114. C	115. D	116. D	117. C	118. D	119. D	120. D
121. B	122. B	123. C	124. A	125. D	126. B	127. C	128. B	129. B	130. C
131. A	132. C	133. D	134. C	135. B	136. C	137. B	138. C	139. D	140. B
141. C	142. D	143. B	144. C	145. A	146. A	147. C	148. B	149. B	150. C

### DETAILED EXPLANATIONS (Select Questions):

- **Q31:** "by foot" is incorrect English. The correct phrase is "on foot".
- **Q32:** The sentence has "yesterday", so it should be simple past "I visited him yesterday", not present perfect.
- **Q33:** "One of" is always followed by a plural noun. It should be "One of my friends".
- **Q81-83 (Number Series):** 81 increases by 2. 82 is squares of 1, 2, 3, 4, 5 (25). 83 doubles every time ( $40 \times 2 = 80$ ).
- **Q86:** The differences are 3, 5, 7... so the next difference is 9.  $18 + 9 = 27$ .
- **Q89:** Pattern is  $n^2 + 1$ . ( $1^2 + 1 = 2$ ,  $2^2 + 1 = 5$ ,  $3^2 + 1 = 10$ ,  $4^2 + 1 = 17$ ,  $5^2 + 1 = 26$ ).
- **Q94:** BOY to CPZ shifts each letter by +1. GIRL +1 = HJSM.
- **Q101 (Direction):** Start (0,0) → (0,10) North → (10,10) Right/East → (10,0) Right/South. He is East of start.
- **Q112 (Odd One Out):** 4, 9, 16 are perfect squares. 20 is not.
- **Q123 (Math):** Profit =  $120 - 100 = 20$ . Profit % =  $(20/100) \times 100 = 20\%$ .
- **Q126:**  $SI = (P \times R \times T)/100 = (1000 \times 5 \times 2)/100 = 100$ .
- **Q145:** Work rate of A =  $1/10$ , B =  $1/10$ . Together =  $1/10 + 1/10 = 2/10 = 1/5$ . Time = 5 days.
- **Q148:** BODMAS rule applies. Multiplication first:  $10 \times 10 = 100$ . Then addition:  $10 + 100 = 110$ .

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