

RBI Grade B Prelims 2022 Memory-based Questions with Solution

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Direction: (1–2) Out of the statements given below, one statement may be grammatically and contextually correct. Choose the correct statement as your answer. If all the statements are correct, choose E, i.e. 'All are correct'.

1.

A. The nature club of the school has taken the initiative to regulate traffic near the school after the last bell, to discourage any overcrowd in front of the school gates.

B. The post-war literature saw the rise of many angry young man, who were frustrated with the nature of things around them.

C. In June last year, one of India's more populous cities, Chennai faced an acute water shortage when the cities four major reservoirs dried up after a delay in the onset of monsoons.

D. Many brands of hand sanitizers were recalled in the U.S. earlier this year after testing revealed contamination with methanol, which could pose serious health risks if ingested.

E. All are correct

2. A. Subglacial lakes are bodies of water that form when melted water generated from a number of sources gets trapped in the thickness of ice or in depression.

B. Despite innumerable efforts to get the ordinance passed by the council, pollution continued to be persistent in metropolitan cities.

C. The iconic Shinkansen bullet trains, a network of high-speed railway lines in Japan that are a symbol of reliability, safety, and are known for their high standards of design, are going to be import to India.

D. Based on a novel by Stephen King on death penalty, the reality of the death penalty and the movie will make you take a long hard look at make you think about your stand on it.

E. All are correct

Direction: Select the phrase/connector from the given options which can be used to form a single sentence from the two sentences given below, implying the same meaning as expressed in the statement sentences. Pick out the option that when used to start a sentence combines both the above sentences in one.

3. A brand manager can extract a special quality feature from the peak performances.

The company can use this feature to differentiate from the competition and demand higher prices from customers.

I. If the brand manager is able to



II. When the customer

III. Brand manager must also

- A. Only II
- B. Only III
- C. Only I
- D. Both II and III
- E. Both I and III

Direction: (4–5) In the following question, a sentence is given with a blank to be filled in with appropriate words. Five alternatives are suggested for the question. Choose the correct alternative, such that both the words fit contextually and grammatically in the given statement.

4.

Tree seed shortages _____ by decades of drought and recent extreme wildfire seasons mean the future of our forests could be in jeopardy.

- A. Coalesce, magnified
- B. Compounded, worsened
- C. Followed, decreased
- D. Augmented, intensify
- E. Synthesized, commingled

5. Decentralization is considered a requirement that addresses _____ or spatial imbalances in the country, provided

that the necessary standards for effective implementation are met.

- A. Earthly, large
- B. Profound, terrestrial
- C. Geographical, territorial
- D. Deepening, topographical
- E. Zonal, peculiar

Direction: (6–8) In the following questions three equations are given in variables x . Third equation is equal to the sum of the first two equations. You have to solve the questions based on given information.

I. $ax^2 + bx + 4 = 0$

II. $ax^2 + 3x + c = 0$

III. $2x^2 + 7x + \sqrt{49 - 13} = 0$

6. What is the value of $(b + c)$?

- A. 2
- B. 5
- C. 6
- D. 9
- E. 11

7. What is the product of the roots of equation III.

- A. 1
- B. 3



- C. 8
- D. 4
- E. 6

8. What is the square root of the larger root of equation II?

- A. 1
- B. $\sqrt{3}$
- C. $\sqrt{-2}$
- D. $\sqrt{-1}$
- E. 2

Direction: In the following question two equations are given in variables x and y . You have to solve these equations and determine the relation between x and y .

9. I. $x^2 + 7x + 12 = 0$

II. $y^2 + 8y + 15 = 0$

- A. $y > x$
- B. $x > y$
- C. $x \leq y$
- D. $x \geq y$
- E. $x = y$ or no relation can be established

10. Lateral surface area of a cube is 420 cm^2 less than the lateral surface area of a cylinder. Height of cylinder is $2R \text{ cm}$ and radius is $R \text{ cm}$. If the side of cube is equal to the radius of cylinder, find the

approximate area of a circle whose radius is $(R + 3) \text{ cm}$.

- A. 314 cm^2
- B. 290 cm^2
- C. 340 cm^2
- D. 388 cm^2
- E. 225 cm^2

Direction: In the following each question, some conclusions and some set of statements are given. You have to decide which set of statements logically satisfies the given conclusions. Study the data carefully and answer the questions accordingly.

11.

Conclusions:

Some musician which are singer are not vocalist.

Some musician being vocalist is a possibility.

Some singer are musician.

No composer is a vocalist.

Statements I: No musician is a composer. All composer are singer. No singer is a vocalist.

Statements II: Some musician are composer. Some composer are singer. No singer is a vocalist.



Statements III: Some musician are not singer. Some vocalist are not singer.

No composer is a vocalist.

Statements IV: Some musician are composer. All composer are singer. No singer is a vocalist.

Statements V: No musician is a composer. No composer is a singer. No singer is a vocalist.

- A. Statement I is true.
- B. Statement II is true
- C. Statatement III is true.
- D. Statement IV is true.
- E. Statement V is true.

Direction: (12–13) Study the information carefully and answer the questions given below.

In a family there are 9 member in which there are 3 couple having 3 generation and 6 male member. They have different age (60yrs, 59yrs, 58yrs, 29yrs, 28yrs, 27yrs, 26yrs, 24yrs and 12yrs). All members are related to A. A has only one child. B is father-in-law of E. I is maternal uncle of C. H is the mother-in-law of A who is sister-in-law of G. H's husband oldest person in this family. F is father-in-law of D. B has two children, G is a female person and married. A's husband is

of 28yrs. I is the 2nd youngest person in this family. E's father-in-law is the 3rd oldest person in this family. G's sister-in-law's age is 27yrs. H is the 2nd oldest person in this family and his daughter's age is 29yrs.

12.

Who is the wife of E?

- A. G
- B. H
- C. A
- D. Can't be determined
- E. None of these

13. What is the age of the one who is the sister of I?

- A. 29yrs
- B. 28yrs
- C. 58yrs
- D. 27yrs
- E. 59yrs

Direction: (14–15) Each of these questions consists of a question followed by information in three statements I and II. You have to study the question and the statements and decide that the information in which of the statements(s) is/are required to answer the question.



14.

Which is the direction in which Sameer will travel from mall, back to his home?

I. Sameer walks 8m right from the mall, facing north, takes a left and walks 5m. He then takes a right turn and walks 7m. Finally, Sameer walks left for another 12m to reach his house.

II. Sameer walks 5m right from the mall, facing north. He then takes a left and walks for 4m. He then takes a right walking for 3m. He finally takes a left for 8m and reaches home.

A. Data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.

B. Data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.

C. Data in both the Statements I and II together are not sufficient to answer the question.

D. Data in both the Statements I and II together are necessary to answer the question.

E. Data in either of the Statements alone is sufficient to answer the question.

15. Eight people are living in a building. Who is sitting at the topmost floor?

I. Five person live between P and T. No person lives below T. Three people live between S and Q, who lives on the fourth floor from the bottom.

II. Two persons live between S and T. P lives on third floor from the top. Four people live between S and R, who lives on 2nd floor.

A. Data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.

B. Data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.

C. Data in both the Statements I and II together are not sufficient to answer the question.

D. Data in both the Statements I and II together are necessary to answer the question.

E. Data in either of the Statements alone is sufficient to answer the question.

16. India's first ethanol plant has been inaugurated by CM Nitish Kumar in which district of Bihar?



- A. Bhagalpur
- B. Katihar
- C. Patna
- D. Purnia
- E. Sheohar

17. Which team has won the title of Khelo India University Games 2021 which was held in Karnataka?

- A. Lovely Professional University
- B. Jain University
- C. Punjab University
- D. MDU Rohtak
- E. Mangalore University

18. What is the theme of the World Water Day 2022?

- A. Groundwater, Making the Invisible Visible
- B. Valuing Groundwater
- C. Conserving Ground Water
- D. Saving Drinking Water
- E. Water, Climate Change and Sustainable Development

19. "My Country, My Life" is the autobiography of:

- A. P V Narasimha Rao
- B. A .B .Vajpayee
- C. L K Advani
- D. Sharad Pawar
- E. Arun Jaitley

20. T Raja Kumar belongs to which country who has been elected as the new President of Financial Action Task Force (FATF)?

- A. Indonesia
- B. Singapore
- C. Sri Lanka
- D. India
- E. Nepal

21. By which year will India launch its first orbiter mission to Venus?

- A. 2027
- B. 2025
- C. 2024
- D. 2028
- E. 2030

22. Who has been appointed as the first-ever Chief Technology Officer (CTO) of the Central Intelligence Agency (CIA)?

- A. Nand Mulchandani
- B. Ron Palmeri
- C. DJ Patil
- D. Aishwarya Srinivasan
- E. Gaurav Sen

23. Recently, Financial Stability Board is in news. This body is affiliated to-

- A. UN
- B. G20
- C. World Bank



- D. IMF
- E. WTO

24. Which city has been named as World Book Capital 2022 by UNESCO?

- A. Jalisco
- B. Zapopan
- C. Tijuana
- D. Guadalajara
- E. Cancún

25. India's first 'geological park' will be set up in which state?

- A. Karnataka
- B. Andhra Pradesh
- C. Madhya Pradesh
- D. Odisha
- E. Jharkhand

26. With which organisation Indian Air Force has launched the Fleet Card - Fuel on Move?

- A. Bharat Petroleum
- B. Gail India
- C. Hindustan Petroleum
- D. Oil and Natural Gas Corporation
- E. Indian Oil Corporation

27. What is the name of Indian Railway's indigenously developed Automatic Train Protection (ATP), a train collision protection system?

- A. Rakshak

- B. Dhaal
- C. Kavach
- D. Shastra
- E. Suraksha

28. Which airport has been awarded with the Covid champion award for successfully implementing project named 'Mission Safeguarding' during the pandemic time?

- A. Chennai International Airport
- B. Cochin International Airport
- C. Netaji Subhash Chandra Bose International Airport
- D. Sardar Vallabh Bhai Patel International Airport
- E. Indira Gandhi International Airport

29. Which financial company has launched India's first corporate bond exchange-traded fund (ETF), called the Bharat Bond ETF?

- A. Edelweiss Asset Management Company (AMC)
- B. Mahindra & Mahindra Financial Services Limited
- C. Muthoot Finance Ltd
- D. HDB Financial Services
- E. Tata Capital Financial Services Limited



30. Recently, "Asani" cyclone hit the Odisha Coast. It is named by which country?

- A. Sri Lanka
- B. India

- C. Mauritius
- D. Maldives
- E. None of the above/more than one of the above



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Answers & Explanations

1. Ans. D.

The correct answer is option D. Note the errors in the given sentences.

A: The error lies in the use of the verb 'overcrowd'. The context of the sentence requires the gerund 'overcrowding'.

B. The error lies in the use of the singular noun 'man' to complement the plural qualifier 'many'. 'Man' needs to be replaced with 'men' to be contextually correct.

C. 'most' will be used instead of 'more' because when there is a comparison between one or more things, the superlative form is used.

2. Ans. B.

The correct answer is B.

A. Replace 'depression' with 'depressions'. When used in uncountable form, the word 'depression' means 'feelings of severe despondency and dejection' which is contextually incorrect. Plural countable form 'depressions' imply a sunken place or hollow on a surface.

C. 'import' is incorrect, it should be 'imported' instead of 'import'

D. 'Look at' should have been followed by an object so as to justify what we should be looking at.

3. Ans. C.

The correct sentence would be "If the brand manager is able to extract a special quality feature from the peak performances, the company can use that feature to differentiate from the competition and demand higher prices from customers.

4. Ans. B.

The correct answer is B.

5. Ans. C.

The correct answer is C.

6. Ans. C.

$$2x^2 + 7x + \sqrt{49 - 13} = 0$$

$$\Rightarrow 2x^2 + 7x + \sqrt{36} = 0$$

$$\Rightarrow 2x^2 + 7x + 6 = 0$$

According to question,

$$b + 3 = 7$$

$$\Rightarrow b = 4$$



$$4 + c = 6$$

$$\Rightarrow c = 2$$

$$a + a = 2$$

$$\Rightarrow a = 1$$

$$b + c = 4 + 2 = 6$$

7. Ans. B.

$$2x^2 + 7x + \sqrt{49 - 13} = 0$$

$$\Rightarrow 2x^2 + 7x + \sqrt{36} = 0$$

$$\Rightarrow 2x^2 + 7x + 6 = 0$$

According to question,

$$b + 3 = 7$$

$$\Rightarrow b = 4$$

$$4 + c = 6$$

$$\Rightarrow c = 2$$

$$a + a = 2$$

$$\Rightarrow a = 1$$

III. $2x^2 + 7x + 6 = 0$

Product of roots of quadratic equation of form $ax^2 + bx + c = 0$ is $\frac{c}{a}$.

$$\text{Product of roots} = \frac{6}{2} = 3$$

8. Ans. D.

$$2x^2 + 7x + \sqrt{49 - 13} = 0$$

$$\Rightarrow 2x^2 + 7x + \sqrt{36} = 0$$

$$\Rightarrow 2x^2 + 7x + 6 = 0$$

According to question,

$$b + 3 = 7$$

$$\Rightarrow b = 4$$

$$4 + c = 6$$

$$\Rightarrow c = 2$$

$$a + a = 2$$

$$\Rightarrow a = 1$$

After putting value of a and c in equation II we get:

$$x^2 + 3x + 2 = 0$$

$$\Rightarrow x^2 + 2x + x + 2 = 0$$

$$\Rightarrow x(x + 2) + 1(x + 2) = 0$$



$$\Rightarrow (x + 2)(x + 1) = 0$$

$$\Rightarrow x = -2, -1$$

Larger root = -1

$$\text{Required answer} = \sqrt{-1}$$

9. Ans. E.

$$\text{I. } x^2 + 7x + 12 = 0$$

$$\Rightarrow x^2 + 3x + 4x + 12 = 0$$

$$\Rightarrow x(x + 3) + 4(x + 3) = 0$$

$$\Rightarrow (x + 3)(x + 4) = 0$$

$$\Rightarrow x = -3, -4$$

$$\text{II. } y^2 + 8y + 15 = 0$$

$$\Rightarrow y^2 + 3y + 5y + 15 = 0$$

$$\Rightarrow y(y + 3) + 5(y + 3) = 0$$

$$\Rightarrow (y + 3)(y + 5) = 0$$

$$\Rightarrow y = -3, -5$$

Hence, no relation can be established.

10. Ans. A.

According to question,

$$4R^2 = 2 \times \frac{22}{7} \times R \times 2R - 420$$

$$\Rightarrow 28R^2 = 88R^2 - 420 \times 7$$

$$\Rightarrow 60R^2 = 420 \times 7$$

$$\Rightarrow R = 7$$

Radius of circle = $7 + 3 = 10$ cm

$$\text{Area of circle} = \frac{22}{7} \times 10^2 \approx 314 \text{ cm}^2$$

11. Ans. D.

12. Ans. C.

13. Ans. D.

14. Ans. E.

15. Ans. A.

16. Ans. D.

India's first ethanol plant was inaugurated in Purnia district of Bihar by CM Nitish Kumar.

The plant has been set up by Eastern India Biofuels Private Limited at a cost of ₹105 crores.

Bihar came up with an ethanol production promotion policy in the first half of 2021.

It is the country's first grain-based ethanol plant.

17. Ans. B.

JAIN University (Deemed-to-be University) with 20 gold, 7 silver and 5 bronze medals has won the



2nd edition of the Khelo India University Games 2021.

Lovely Professional University (LPU) with 17 golds has placed second and Punjab University placed third with 15 gold medals.

Siva Sridhar has emerged as the star swimmer by winning 11 gold.

The closing ceremony of KIUG was held at Sri Kanteerava Outdoor Stadium, Bengaluru.

18. Ans. A.

- World Water Day is observed every year on 22nd March to highlight the importance of freshwater.
- World Water Day theme 2022: Groundwater, Making the Invisible Visible.
- Groundwater is water found underground in aquifers (geological formations of rocks, sands, gravels that hold water).
- World Water Day supports SDG 6 (water and sanitation for all by 2030).
- The day also saw the release of UN World Water Development Report (WWDR)
- It was celebrated for the first time in 1993.

19. Ans. C.

My Country My Life is an autobiographical book by L. K. Advani, an Indian politician who served as the Deputy Prime Minister of India from 2002 to 2004, and was the Leader of the Opposition in the 15th Lok Sabha.

Thus, option C is correct.

20. Ans. B.

- * Singapore's T Raja Kumar appointed as next President of FATF – Singapore's T. Raja Kumar has been elected as the next President of the Financial Action Task Force (FATF) for a period of two years.
- * T. Raja Kumar of Singapore has been appointed as the next President of Financial Action Task Force (FATF).
- * He will assume office with effect from July 01, 2022. for a fixed period of two-year term.
- * Mr. Kumar will replace Dr. Marcus Pleyer of Germany.
- * T. Raja Kumar is the current Head of Singapore's delegation to the FATF since 2015.
- * This will be the first time that Singapore is taking on the Presidency of FATF, since becoming its member in 1992.



21. Ans. C.

• **Indian Space and Research Organisation (ISRO) will launch first orbiter mission to Venus by December 2024.**

• **Shukrayaan-I** will be the India's first orbiter mission to Venus.

• The aim of the mission is to study Venus' atmosphere.

Indian Space Research Organization (ISRO)

Formation Date: **August 15, 1969**

Headquarter: **Bengaluru, Karnataka**

Chairman: **S. Somanath**

22. Ans. A.

* Indian-Origin Nand Mulchandani has been appointed as the first-ever Chief Technology Officer (CTO) of Central Intelligence Agency (CIA), first line of defense for the United States

* Prior to this, he served as the CTO and acting director of the Joint Artificial Intelligence Centre under US Department of Defence.

* He served as the CEO of multiple successful startups like Oblix (acquired by Oracle), Determina, OpenDNS and ScaleXtreme .

23. Ans. B.

The Financial Stability Board (FSB), an international body for global financial system, has placed India in the league of countries that are 'compliant or largely compliant' on implementation of priority area reforms. Recently India scores well on FSB reform report card to G20. The 2017 G20 Hamburg summit is the twelfth meeting of the Group of Twenty held on 7-8 July 2017 in the city of Hamburg, Germany.

24. Ans. D.

• Guadalajara (Mexico) has been declared the World Book Capital for the year 2022 on the recommendation of the World Book Capital Advisory Committee.

• The declaration was made by the Director-General of UNESCO, Audrey Azoulay.

• The city has already been recognised as a UNESCO Creative City since 2017.

25. Ans. C.

• The first 'geological' park of country will be built in Lamheta in Jabalpur, Madhya Pradesh.

• Approval for the park has been granted by Geological Survey of India, under ministry of mining, Government of India for



construction of the park with an investment of Rs 35 crores.

- The geological park will be built in Lamheta, because this place is among significant places in the world, from the geological point of view.

26. Ans. E.

Indian Air Force, in partnership with Indian Oil Corporation Limited (IOCL), has introduced Fleet Card - Fuel on Move for its varied fleet of vehicles.

Chief of Air Staff, Air Chief Marshal VR Chaudhari, has launched the Fleet Card- Fuel on Move card.

Fleet Card permits the convoy to refuel at any IOCL fuel stations.

27. Ans. C.

* Indian Railways' South Central Railway (SCR) zone carried out the testing of the indigenous train collision protection system 'Kavach'.

* The two trains will hurtle towards each other at full speed, one with the railway minister on board and the other with the Chairman of the Railway Board.

* TCAS or Kavach includes the key elements from already existing, and tried and tested systems like the European Train Protection and

Warning System, and the indigenous Anti Collision Device.

* It will also carry features of the high-tech European Train Control System Level-2 in future.

* The current form of Kavach adheres to the highest level of safety and reliability standard called Safety Integrity Level 4.

28. Ans. B.

The Cochin International Airport Limited (CIAL) has received the 'Covid champion' award at Wings India 2022.

Wings India is an Asia's largest event on civil aviation, jointly organised by the Ministry of Civil Aviation and FICCI at the Begumpet airport in Hyderabad.

29. Ans. A.

• Edelweiss Asset Management Company (AMC) has launched India's first corporate bond exchange-traded fund (ETF), called the Bharat Bond ETF.

• Bharat Bond ETF is also the country's largest new fund offer (NFO) ever.

• Edelweiss AMC will invest in AAA-rated bonds of public sector companies and aims to raise up to



Rs 15,000 crore through this initiative.

- ETF is an initiative of the Government of India, from the Department of Investment and Public Asset Management while Edelweiss AMC is given the mandate to design and manage the product.

30. Ans. A.

The India Meteorological Department (IMD) has predicted the formation of Cyclone Asani in the Bay of Bengal. Cyclone Asani is brewing in the southern Andaman Sea.

- It is on course to become a short-lived cyclone and will make landfall between Visakhapatnam in Andhra Pradesh and Bhubaneswar in Odisha.
- It is named by Sri Lanka.



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