# Registrar IIT Bombay

**Notations :**

1.Options shown in green color and with ✔ icon are correct.

2.Options shown in red color and with ✖ icon are incorrect.

| | |
|---|---|
| **Question Paper Name :** | Administrative Superintendent 7th Dec 2024 Shift 1 |
| **Subject Name :** | Administrative Superintendent |
| **Creation Date :** | 2024-12-07 17:12:32 |
| **Duration :** | 120 |
| **Total Marks :** | 80 |
| **Display Marks:** | Yes |
| **Change Font Color :** | No |
| **Change Background Color :** | No |
| **Change Theme :** | No |
| **Help Button :** | No |
| **Show Reports :** | No |
| **Show Progress Bar :** | No |

## Administrative Superintendent

| | |
|---|---|
| **Group Number :** | 1 |
| **Group Id :** | 10642629 |
| **Group Maximum Duration :** | 0 |
| **Group Minimum Duration :** | 120 |
| **Show Attended Group? :** | No |
| **Edit Attended Group? :** | No |
| **Break time :** | 0 |
| **Group Marks :** | 80 |

## Administrative Superintendent

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|---|---|
| **Section Id :** | 10642629 |
| **Section Number :** | 1 |
| **Section type :** | Online |
| **Mandatory or Optional :** | Mandatory |
| **Number of Questions :** | 73 |
| **Number of Questions to be attempted :** | 73 |

| Section Marks : | 80 |
| Maximum Instruction Time : | 0 |
| Sub-Section Number : | 1 |
| Sub-Section Id : | 106426125 |
| Question Shuffling Allowed : | Yes |

**Question Number : 1 Question Id : 1064262309 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

Most suitable meaning of ab initio is

**Options :**

1. ✖ about the beginning

2. ✔ from the beginning

3. ✖ without the beginning

4. ✖ initial statement

**Question Number : 2 Question Id : 1064262310 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

The meaning of couth is

**Options :**

1. ✔ well mannered

2. ✖ coutch cover

3. ✖ villian

4. ✖ police inspector

**Question Number : 3 Question Id : 1064262311 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

The synonym of plenipotentiary is

**Options :**

1. ✔ ambassador

2. ✖ surplus

3. ✖ inspector

4. ✖ planner

**Question Number : 4 Question Id : 1064262312 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

In NIRF 2024 ranking for innovation, the order is

**Options :**

1. ✔ (Rank-1: IIT Bombay); (Rank-2: IIT Madras), (Rank-3: IIT Hyderabad); (Rank-5: IIT Kanpur)

2. ✖ (Rank-1: IIT Bombay); (Rank-2 IIT Madras); (Rank-3: IIT Hyderabad); (Rank-4: IIT Kanpur)

3. ✖ (Rank-1: IIT Madras); (Rank-3 IIT Bombay), (Rank-4: IIT Madras); (Rank-5: IIT Kanpur)

4. ✱ (Rank-1: IIT Madras); (Rank-2 IIT Delhi); (Rank-3: IIT Bombay); (Rank-4: IIT Kanpur)

**Question Number : 5 Question Id : 1064262313 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

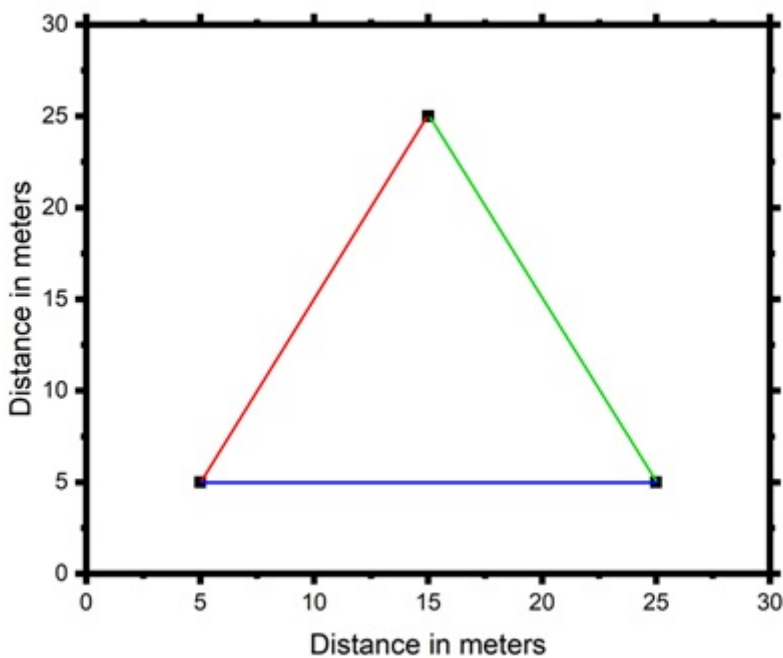The most suitable meaning of "Take a rain check" is

**Options :**

1. ✔ Postpone a plan

2. ✱ Get unexpected money

3. ✱ Deposit check in the rain

4. ✱ Deposit pending amount

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| **Sub-Section Number :** | 2 |
| **Sub-Section Id :** | 106426126 |
| **Question Shuffling Allowed :** | No |

**Question Id : 1064262314 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No Question Pattern Type : NonMatrix**
**Question Numbers : (6 to 10)**

Question Label : Comprehension

Mr. Ashok Singh purchased a piece of land as shown within the boundary represented by thick black lines in Rupees 18 Lakh. Ms. Shivani Kumari purchased a part of this land enclosed within the colored lines from Mr. Ashok Singh at the same unit price. Mr. Ashok Singh celebrated Indian Constitution Day on his part of the land and wished to invite the United States FBI chief designate, who is an acquaintance of him, for a keynote address. Examine the given figure carefully and answer the following question.



**Sub questions**

**Question Number : 6 Question Id : 1064262315 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

Cost of the land purchased by Ms. Shivani Kumari (in Lakh rupees) is

**Options :**

1. ✖ 6

2. ✖ 2

3. ✔ 4

4. ✖ 9

**Question Number : 7 Question Id : 1064262316 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

Next to the plot of land of Mr. Ashok Singh, Shivani wants to construct a circular park having a radius equal to the length of red or green line boundary of the land shown in the figure. The cost of the plot of land (in Lakh Rupees) purchased at the same rate per meter square for constructing circular park is close to

**Options :**

1. ✖ 10

2. ✔ 31.4

3. ✖ 62.8

4. ✖ 9

**Question Number : 8 Question Id : 1064262317 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

The date on which the nationally important event that was arranged on Mr. Ashok Singh's land is

**Options :**

1. ✔ 26 of November

2. ✖ 26 of January

3. ✖ 15 of August

4. ✖ 02 of October

**Question Number : 9 Question Id : 1064262318 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

FBI of United States of America stands for

**Options :**

1. ✖ Fundamental Board of Investigation

2. ✔ Federal Bureau of Investigation

3. ✖ Federal Board of Investigation

4. ✖ Federal Bureau of Internationalization

**Question Number : 10 Question Id : 1064262319 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

The United States FBI chief designate is

**Options :**

1. ✖ Charles Joseph Bonaparte

2. ✖ Christopher Wray

3. ✔ Kashyap Patel

4. ✖ Paveen Sood

**Sub-Section Number :** 3

**Sub-Section Id :** 106426127

**Question Shuffling Allowed :** No

**Question Id : 1064262320 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No Question Pattern Type : NonMatrix**

**Question Numbers : (11 to 14)**

Question Label : Comprehension

IITs are premier educational institutes of India. In one of the IITs, applications were invited for the three posts (1 UR, 1 SC and 1 ST) of Deputy Registrar with a closing date of January 25, 2024. The advertisement mentioned upper age limit for the UR candidates to be 45 years by the closing date of age eligibility and applications. It also mentioned that based on the marks obtained in the written test, the number of candidates to be shortlisted for the interview will be in the ratio of 1:4 for each category of the advertised post. In order to qualify for the interview, a UR candidate must obtain 60% marks and SC or ST candidates must obtain 55 % marks in the written test. The final selection is only based upon the marks obtained in the interview. A total of 30 candidates appeared for the written test. Based on information provided in the advertisement, examine the following Table and answer the given questions

| Candidate number | Birth category | Date of birth | % Marks obtained | Candidate number | Birth category | Date of birth | % Marks obtained |
|---|---|---|---|---|---|---|---|
| 1 | SC | 01.10.1980 | 98 | 16 | SC | 10.01.1977 | 84 |
| 2 | SC | 12.04.1974 | 97 | 17 | SC | 02.02.1977 | 84 |
| 3 | ST | 10.08.1982 | 97 | 18 | SC | 02.02.1977 | 84 |
| 4 | UR | 23.07.1983 | 96 | 19 | OBC | 12.09.1983 | 83 |
| 5 | SC | 22.06.1984 | 96 | 20 | OBC | 11.08.1984 | 83 |
| 6 | SC | 22.06.1984 | 96 | 21 | UR | 10.05.1982 | 63 |
| 7 | SC | 10.06.1978 | 87 | 22 | UR | 09.06.1983 | 57 |
| 8 | UR | 12.05.1981 | 86 | 23 | UR | 08.07.1985 | 55 |
| 9 | ST | 10.05.1982 | 86 | 24 | ST | 09.07.1983 | 55 |
| 10 | UR | 10.04.1983 | 86 | 25 | ST | 08.09.1979 | 55 |
| 11 | UR | 12.09.1982 | 85 | 26 | SC | 10.10.1983 | 55 |
| 12 | ST | 10.06.1984 | 85 | 27 | SC | 09.10.1984 | 54 |
| 13 | SC | 12.06.1983 | 85 | 28 | UR | 08.10.1986 | 54 |
| 14 | UR | 10.02.1982 | 85 | 29 | SC | 07.06.1979 | 54 |
| 15 | UR | 10.02.1094 | 84 | 30 | UR | 10.06.1983 | 54 |

**Sub questions**

**Question Number : 11 Question Id : 1064262321 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

The candidate numbers shortlisted in the UR category for the interview are

**Options :**

1. ✖ 1, 2, 3, 4

2. ✖ 1, 2, 3, 4, 5, 6

3. ✔ 1, 3, 4, 5, 6

4. ✖ 4, 8, 10, 11

**Question Number : 12 Question Id : 1064262322 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

The candidate numbers shortlisted with SC birth category for the interview are

**Options :**

1. ✔ 1, 2, 5, 6, 7, 13, 16, 17, 18

2. ✖ 2, 7, 13, 16

3. ✖ 1, 2, 5, 6

4. ✖ 2, 7, 13, 16, 17, 18

**Question Number : 13 Question Id : 1064262323 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

In the interview, if candidate number 1 and 2 score the same marks, the SC post will be offered to candidate number

**Options :**

1. ✖ 1

2. ✔ 2

3. ✖ Both 1 and 2

4. ✖ 6

**Question Number : 14 Question Id : 1064262324 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

The entry pay-levels for the post of Deputy Registrar at IIT Bombay, IIT Delhi and IIT Madras, respectively are

**Options :**

1. ✖ 11, 11, 11

2. ✖ 11, 12, 12

3. ✖ 13, 13, 12

4. ✔ 12, 12, 12

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| **Sub-Section Number :** | 4 |
| **Sub-Section Id :** | 106426128 |
| **Question Shuffling Allowed :** | Yes |

**Question Number : 15 Question Id : 1064262325 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

What is the purpose of the IF function in a spreadsheet?

**Options :**

1. ✖ To perform mathematical calculations

2. ✖ To format cells according to some condition

3. ✖ To sort a column

4. ✔ To make decisions based on a logical condition

**Question Number : 16 Question Id : 1064262326 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following formulas will return "Approved" if the value in cell A1 is 101?

**Options :**

1. ✔ =IF(A1>100, "Approved", "Rejected")'

2. ✖ =IF(A1<100, "Approved", "Rejected")'

3. ✖ =IF(A1>=100, "Rejected", "Approved")'

4. ✖ =IF(A1<=100, "Approved", "Rejected")'

**Question Number : 17 Question Id : 1064262327 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

The current time limit for submission of claims for Travelling Allowance on retirement (in number of days) succeeding the date of completion of the journey is

**Options :**

1. ✖ 360

2. ✔ 180

3. ✖ 30

4. ✖ 90

**Question Number : 18 Question Id : 1064262328 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

As per Central Government Health Scheme, choose the correct statement about OPD and follow-up treatment

**Options :**

1. ✔ OPD treatment is not allowed in Private Hospitals, however follow up treatment is permitted for Cancer Surgery

2. ✖ OPD treatment, as well as follow up is allowed in Private Hospitals for Neurosurgery

3. ✖ OPD treatment is not allowed in Private Hospitals, however follow up treatment is permitted for allergy bronchitis

4. ✖ OPD treatment, as well as follow up is allowed in Private Hospitals for Joint Replacement

**Question Number : 19 Question Id : 1064262329 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

Choose the correct statement about engagement of Casual Labours in Government Organizations

**Options :**

1. ✖ There is complete ban on engagement of casual workers for duties of Group "D" posts

2. ✖ Daily wage is not admissible for National Holidays falling on a working day

3. ✔ Casual labour is entitled for one paid weekly off after six days of continuous work

4. ✖ Casual labour can be recruited for work of regular nature

**Question Number : 20 Question Id : 1064262330 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

At a time, the number of days Earned Leave can be availed is

**Options :**

1. ✖ 300

2. ✔ 180

3. ✖ 30

4. ✖ 90

**Question Number : 21 Question Id : 1064262331 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

According to CCS (Conduct rules), the option which defines sexual harassment at work place is

**Options :**

1. ✖ Physical contact and advances

2. ✖ Sexually coloured remarks

3. ✖ humiliating treatment likely to affect health or safety of women

4. ✔ All of the given options

**Question Number : 22 Question Id : 1064262332 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

The activity that requires permission/ sanction is

**Options :**

1. ✖ To become member of Samyktha Sadachar Samithi

2. ✖ To participate in Flag Day Collections on a voluntary basis

3. ✔ To participate in a conference/workshop in another city

4. ✖ All of the given options

**Question Number : 23 Question Id : 1064262333 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

Activity not considered objectionable is

**Options :**

1. ✹ Proposing or seconding nomination of a candidate at an election
2. ✹ Displaying on his person, vehicle or residence of any electoral symbol in connection with an election
3. ✔ Occasional attendance in political meetings
4. ✹ Acting as election agent, polling agent, or counting agent of a candidate at election

**Question Number : 24 Question Id : 1064262334 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

The rate of HRA for a particular city is 20 % of the Basic Pay. The population of that city is

**Options :**
1. ✹ Below 5 lakhs
2. ✹ 50 lakhs and above
3. ✔ 5 lakhs to 50 lakhs
4. ✹ 10 lakhs to 20 lakhs

**Question Number : 25 Question Id : 1064262335 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

Correct statement about Special Allowance for Child Care for women with disabilities is

**Options :**
1. ✹ The special allowance amount is Rupees 3500 per month
2. ✹ The special allowance is payable for a maximum of one child
3. ✔ If the DA goes up by 50%, the special child care allowance gets raised by 25%
4. ✹ The special allowance is payable from the time of child's birth till the child is five years old.

**Question Number : 26 Question Id : 1064262336 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

Reservation for Economic Weaker Sections (EWSs) may not apply to those

**Options :**
1. ✹ who do not qualify for reservation for SCs, STs and OBCs
2. ✹ whose family has gross annual income below 8 lakhs
3. ✔ for scientific and technical posts which satisfy certain conditions
4. ✹ who have residential plot of 150 square yards and below in the areas other than the notified municipalties

**Question Number : 27 Question Id : 1064262337 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

A government servant can be placed under suspension when the employee

**Options :**
1. ✔ is detained in police custody on a non-criminal charge for a period exceeding forty-eight hours

2.  ✸ is detained in police custody on a criminal or non-criminal charge for a period exceeding seventy-two hours

3.  ✸ is detained in police custody on any charge for a period exceeding twenty-four hours

4.  ✸ is detained in police custody on a non-criminal charge for a period exceeding ninety-six hours

**Question Number : 28 Question Id : 1064262338 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

For acquiring higher qualifications, a onetime lumpsum incentive of Rupees 30,000 is given for this qualification

**Options :**

1.  ✸ PG Degree/Diploma of duration more than one year

2.  ✸ Degree/Diploma of duration more than three year

3.  ✔ PhD

4.  ✸ PG Degree/Diploma of duration three years or less

**Question Number : 29 Question Id : 1064262339 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

For pay level 9 and above, the Transport Allowance per month for Greater Mumbai (UA) is Rupees

**Options :**

1.  ✸ 3600 + DA

2.  ✸ 4800 + DA

3.  ✔ 7200 + DA

4.  ✸ 8400 + DA

**Question Number : 30 Question Id : 1064262340 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

IIT Bombay has 12918 enrolled students. The total number of non-teaching sanctioned positions at IIT Bombay is

**Options :**

1.  ✸ 1431

2.  ✸ 1441

3.  ✸ 1401

4.  ✔ 1421

**Question Number : 31 Question Id : 1064262341 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

Correct statement about withdrawal from GPF is

**Options :**

1.  ✸ For illness of self, family members or dependents, the limit is up to 70 % of the amount

standing at credit

2. ✸ For permissible education, the limit is up to 24 months pay or three-fourth of the amount standing at credit, whichever is higher

3. ✔ For constructing a house on a site acquired the limit is up to 90 % of the amount standing at credit

4. ✸ For purchase of a house site for building a house, the limit is 75 % on the amount standing at credit

**Question Number : 32 Question Id : 1064262342 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

Correct statement about value (in Rupees) of purchase of goods without quotation in case of Scientific Ministries/Departments is

**Options :**

1. ✸ 60,000 on each occasion

2. ✸ 50,000 for computers

3. ✔ 1,00,000 for scientific equipments

4. ✸ 2,00,000 for consumables

**Question Number : 33 Question Id : 1064262343 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

Correct statement about Compassionate Appointment is

**Options :**

1. ✸ available for dependent family member of a government servant missing for more than 3 years

2. ✸ dependent family member includes brother or sister in case of married government servant

3. ✸ A person selected for appointment of compassionate grounds cannot be adjusted in the recruitment roster against reservation category to which he belongs

4. ✔ Irrespective of the date of joining, the candidate appointed on Compassionate Grounds in a particular year will be placed at the bottom of all the candidates recruited/appointed through direct recruitment/promotion etc. in that year

**Question Number : 34 Question Id : 1064262344 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

The current maximum limit of retirement gratuity and death gratuity to All India Services officers (in Lakh Rupees) is

**Options :**

1. ✸ 30

2. ✔ 25

3. ✸ 20

4. ✸ 15

**Question Number : 35 Question Id : 1064262345 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

The correct option regarding choice/use of "scribe" during written examination is

**Options :**

1. ✖ The minimum qualification of the scribe should be class 12 but not more than the minimum qualification criteria of the examination

2. ✖ The disability certificate of the candidate (asking for scribe) issued by the competent medical authority at any place cannot be accepted across the country

3. ✔ Alternative objective questions in lieu of descriptive questions can be provided for hearing impaired persons using scribe

4. ✖ The compensatory time given to the candidates using scribe is 20 minutes during the entire examination

**Question Number : 36 Question Id : 1064262346 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

For Group C posts belonging to the cadre of the National commission of Schedule Tribes (NCST), the Appellate Authority is

**Options :**

1. ✖ Chairperson NCST

2. ✔ Secretary, NCST

3. ✖ Prime Minister of India

4. ✖ Deputy Chairperson, NCST

**Question Number : 37 Question Id : 1064262347 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

Which out of the given is not an autonomous institution?

**Options :**

1. ✖ Agharkar Research Institute, Pune

2. ✖ Bose Institute, Kolkata

3. ✖ Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore

4. ✔ The Centre for Cellular & Molecular Biology, Hyderabad

**Question Number : 38 Question Id : 1064262348 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

To participate and present research papers in international conferences, which of the following Indian institution does not provide financial assistance to regular PhD students

**Options :**

1. ✖ Anusandhan National Research Foundation

2. ✖ Council of Scientific and Industrial Research

3. ✖ Department of Biotechnology

4. ✔ Indian National Science Academy

**Question Number : 39 Question Id : 1064262349 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

In any academic institute, which post cannot be filled by internal promotion?

**Options :**

1. ✔ Registrar

2. ✖ Deputy Registrar

3. ✖ Dean

4. ✖ Deputy Director

**Question Number : 40 Question Id : 1064262350 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

In IIT Bombay Hospital, the procedure used to appoint In-charge is

**Options :**

1. ✖ by open advertisement

2. ✖ by internal promotion of seniormost doctor

3. ✔ one of the existing doctors holding the ultimate/penultimate pay level post in the highest cadre may be appointed

4. ✖ through senate nomination

**Question Number : 41 Question Id : 1064262351 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

In second advancement post substantive appointment ai IIT Bombay, an Administrative Superintendent will enter this pay level

**Options :**

1. ✖ 8

2. ✖ 9

3. ✔ 10

4. ✖ 11

**Question Number : 42 Question Id : 1064262352 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

Which of the following cadre does not have further recruitment at IIT Bombay

**Options :**

1. ✖ Assistant Security Officer

2. ✖ Associate Architect

3. ✖ Deputy Superintendent Engineer

4. ✔ Chief Hospitality Manager

**Question Number : 43 Question Id : 1064262353 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

With effect from July 1, 2024, the DA (in % of the basic pay) for central government employees is

**Options :**

1. ✖ 50

2. ✔ 53

3. ✖ 46

4. ✖ 42

**Question Number : 44 Question Id : 1064262354 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

A square S and a circle C enclose areas that are equal. If one side of the square is of length $\sqrt{\pi}$ cm, then the radius of the circle C (in cm2) is

**Options :**

1. ✖ $\sqrt{\pi}$

2. ✖ $\pi^2$

3. ✔ 1

4. ✖ $\dfrac{\sqrt{\pi}}{2}$

**Question Number : 45 Question Id : 1064262355 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

Ascending order of the numbers $\dfrac{1}{7}, \dfrac{2}{5}, \dfrac{3}{13}, \dfrac{1}{3}$ is

**Options :**

1. ✖ $\dfrac{1}{7}, \dfrac{2}{5}, \dfrac{1}{3}, \dfrac{3}{13}$

2. ✖ $\dfrac{2}{5}, \dfrac{1}{7}, \dfrac{3}{13}, \dfrac{1}{3}$

3. ✖ $\dfrac{1}{3}, \dfrac{1}{7}, \dfrac{2}{5}, \dfrac{3}{13}$

$$\frac{1}{7}, \frac{3}{13}, \frac{1}{3}, \frac{2}{5}$$

4. ✔

**Question Number : 46 Question Id : 1064262356 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

Two sides of a right-angled triangle are in the ratio 3:4. The ratio of each side with the hypotenuse is

**Options :**

1. ✔ 3:5; 4:5

2. ✖ 3:4; 4:5

3. ✖ 3:7; 4:7

4. ✖ 3:8; 4:9

**Question Number : 47 Question Id : 1064262357 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

5% of 4/5 is equal to

**Options :**

1. ✖ 0.05

2. ✔ 0.04

3. ✖ 0.25

4. ✖ 0.2

**Question Number : 48 Question Id : 1064262358 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

$$\frac{0.000625}{(0.005)^2}$$ evaluates to

**Options :**

1. ✖ 0.025

2. ✔ 25

3. ✖ 0.0025

4. ✖ 2.5

**Question Number : 49 Question Id : 1064262359 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

What percentage of 1960 is 245?

**Options :**

1. ✖ 23.8
2. ✖ 35.3
3. ✔ 12.5
4. ✖ 9.5

**Question Number : 50 Question Id : 1064262360 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

The 14th term of the sequence 14, 10, 6, 2 is

**Options :**

1. ✖ -42
2. ✖ -34
3. ✖ -46
4. ✔ -38

**Question Number : 51 Question Id : 1064262361 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

Six pumps are required to fill a tank in 1 hour and 40 minutes. How long will it take to fill the tank, if 10 pumps of the same type are used?

**Options :**

1. ✖ 1 hour and 20 minutes
2. ✖ 1 hour and 10 minutes
3. ✖ 40 minutes
4. ✔ 1 hour

**Question Number : 52 Question Id : 1064262362 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

The probability of rolling a sum of 7 with two six sided dice is

**Options :**

1. ✔ (1/6)
2. ✖ (1/8)
3. ✖ (1/12)
4. ✖ (1/36)

**Question Number : 53 Question Id : 1064262363 Question Type : MCQ Option Shuffling : Yes**

**Correct Marks : 1 Wrong Marks : 0**

A bag contains 15 balls of which 9 are white, 4 are black and 2 are green. We pick 2 balls. The probability of the two balls being of different colours is

**Options :**

1. ✖ (15/210)

2. ✶ (12/210)
3. ✶ (115/210)
4. ✔ (124/210)

**Question Number : 54 Question Id : 1064262364 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

The number $\left(\dfrac{64}{343}\right)^{2/3}$ Evaluates to

**Options :**

1. ✶ (2/13)
2. ✶ (8/17)
3. ✶ (4/7)
4. ✔ (16/49)

**Question Number : 55 Question Id : 1064262365 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

The number of common solutions that the system of equations below has in real numbers are

$$x + y = 2$$
$$x^2 + 2xy + y^2 = 3$$

**Options :**

1. ✶ Infinitely many solutions
2. ✶ Two solutions
3. ✶ Six solutions
4. ✔ No solutions

**Question Number : 56 Question Id : 1064262366 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

Let C1 and C2 be concentric circles of radius 1 cm and 2 cm respectively. Let P be a randomly chosen point lying inside the area covered by C2. The probability that P lies in the area enclosed by C1 is

**Options :**

1. ✶ $\dfrac{1}{2}$

2. ✔ $\dfrac{1}{4}$

3. ✖ $\dfrac{1}{\pi}$

4. ✖ $\dfrac{1}{2\pi}$

**Question Number : 57 Question Id : 1064262367 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

The LASE program at IIT Bombay refers to

**Options :**

1. ✖ Laser Science and Engineering

2. ✖ Literal Arts, Sociology and Engineering

3. ✖ Lateral Admission to Science and Engineering

4. ✔ Liberal Arts, Sciences and Engineering

**Question Number : 58 Question Id : 1064262368 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

The National Centre for Mathematics at IIT Bombay is

**Options :**

1. ✔ A joint centre of TIFR and IIT Bombay

2. ✖ A joint effort of Departments of Mathematics and Computer Science and Engineering of IIT Bombay

3. ✖ A department set up at IIT Bombay to teach Mathematics to weak students

4. ✖ BARC sponsored 5-Years Centre at IIT Bombay

**Question Number : 59 Question Id : 1064262369 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

DRF in IITB-DRF refers to

**Options :**

1. ✖ Departmental Research Facilities

2. ✔ Development and Relations Foundation

3. ✖ Division of Research Federation

4. ✖ Domestic Research Felicitation

**Question Number : 60 Question Id : 1064262370 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

President Droupadi Murmu on April 4, 2024 launched the following at IIT Bombay

**Options :**

1. ✔ India's first indigenously-developed CAR T-cell therapy for treatment of cancer

2. ✖ India's first indigenously-developed CAP C-cell therapy for treatment of cancer

3. ✖ India's first indigenously-developed CAR P-cell therapy for treatment of heart disease

4. ✖ India's first indigenously-developed cellular immunotherapy therapy for treatment of diabetes

**Question Number : 61 Question Id : 1064262371 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

In NSF-DST call for funding of proposals, NSF stands for

**Options :**

1. ✖ National Science Fund of India

2. ✔ National Science Foundation of USA

3. ✖ National Science Foundation of UK

4. ✖ National Science Fund of Asia

**Question Number : 62 Question Id : 1064262372 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

For family of a government servant who dies while in service, death gratuity is paid at the following rate

**Options :**

1. ✖ Six times of emoluments if length of qualifying service is less than one year

2. ✖ Two times of emoluments if length of qualifying service is one year or more but less than five years

3. ✔ Twenty times of emoluments if length of qualifying service is eleven years of more but less than twenty years

4. ✖ Twelve times of emoluments in the length of qualifying service is five years or more but less than ten years

**Question Number : 63 Question Id : 1064262373 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

Special Casual Leave to Faculty Members is admissible under following conditions

**Options :**

1. ✖ Emergency medical conditions

2. ✔ Attending Conferences

3. ✖ In compensation of taking extra lectures

4. ✖ For starting small scale business

**Question Number : 64 Question Id : 1064262374 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

The monetary limit (in Crore Rupees) for reporting the procurement contracts in Quarterly Progress Report for Civil Works to the Central Vigilance Commission is

**Options :**

1. ✔ 5 and above

2. ✖ 10 and above

3. ✖ 1 and above

4. ✖ 8 and above

**Question Number : 65 Question Id : 1064262375 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

For Gratuity purpose, family includes

**Options :**

1. ✖ adopted sons

2. ✖ adoptive parents

3. ✖ married daughters

4. ✔ All of the given options

**Question Number : 66 Question Id : 1064262376 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

The pay-level of Joint Registrar at IIT Bombay is

**Options :**

1. ✖ 12

2. ✔ 13

3. ✖ 13-A

4. ✖ 14

**Question Number : 67 Question Id : 1064262377 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

A person invested a total of Rupees 9000 in three parts at 3%, 4% and 6% per annum on simple interest. At the end of the year, he received equal interest in all the three cases. The amount invested at 6% is

**Options :**

1. ✖ 3000

2. ✔ 2000

3. ✖ 2500

4. ✖ 1500

**Question Number : 68 Question Id : 1064262378 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

Within the maximum limits prescribed, salary includes

**Options :**

1. ✖ Children educational assistance

2. ✖ Hostel subsidy

3. ✖ TA granted on transfer

4. ✔ Overtime allowance

**Question Number : 69 Question Id : 1064262379 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

The correct set of symbols which fit the dots in the given equation are 5..0..3..5 = 20

**Options :**

1. ✖ $(\times, \times, \times)$

2. ✔ $(-, +, \times)$

3. ✖ $(\times, +, \times)$

4. ✖ $(+, -, \times)$

**Question Number : 70 Question Id : 1064262380 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

Pointing to a gentleman, Ashok said, "His only brother is the father of my daughter's father. How is the gentleman related to Ashok?

**Options :**

1. ✔ Uncle

2. ✖ Grandfather

3. ✖ Father

4. ✖ Brother-in-law

**Question Number : 71 Question Id : 1064262381 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

If ROSE is coded as SOTF, DOME as EONF, and BIRD is coded as CISE, then DIED will be coded as

**Options :**

1. ✖ IDDE

2. ✔ EIFE

3. ✖ EJGF
4. ✖ CHDC

**Question Number : 72 Question Id : 1064262382 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

Which key combination is used to paste selected text or cells in most computer applications?

**Options :**

1. ✖ Ctrl-C
2. ✖ Ctrl-P
3. ✔ Ctrl-V
4. ✖ Ctrl-Y

**Question Number : 73 Question Id : 1064262383 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

What is a pivot table used for in spreadsheets?

**Options :**

1. ✖ Filtering a column
2. ✖ Sorting a column
3. ✔ Summarising data sets
4. ✖ Creating a chart from a table

**Question Number : 74 Question Id : 1064262384 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

Which of the following is NOT a word processing software?

**Options :**

1. ✔ Adobe Acrobat
2. ✖ MS Word
3. ✖ Google Docs
4. ✖ Libreoffice Writer

**Question Number : 75 Question Id : 1064262385 Question Type : MCQ Option Shuffling : Yes**
**Correct Marks : 1 Wrong Marks : 0**

What is the purpose of a firewall in computer security?

**Options :**

1. ✖ To protect against viruses
2. ✖ To encrypt data
3. ✖ To speed up internet connections
4. ✔ To control network traffic

**Question Number : 76 Question Id : 1064262386 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

Which of the following is NOT an operating system

**Options :**

1. ✔ MS Office

2. ✖ MS Windows

3. ✖ Ubuntu

4. ✖ CentOS

**Question Number : 77 Question Id : 1064262387 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

What is the difference between $A1 and A1 in a spreadsheet cell reference

**Options :**

1. ✖ While copying the formula $A1 retains absolute reference to the first row

2. ✔ While copying the formula $A1 retains absolute reference to the first column

3. ✖ While copying the formula A1 retains absolute reference to the first row

4. ✖ While copying the formula A1 retains absolute reference to the first column

**Question Number : 78 Question Id : 1064262388 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

Which function would you use to count the number of cells in a range that meet a specific condition?

**Options :**

1. ✔ COUNTIF

2. ✖ COUNTA

3. ✖ COUNT

4. ✖ SUM

**Question Number : 79 Question Id : 1064262389 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

How can you ensure consistency in the format of headings in a LibreOffice Writer document?

**Options :**

1. ✖ Manually adjust each heading's font size

2. ✔ Use the "Styles and Formatting" feature

3. ✖ Copy-paste the format across headings

4. ✖ Change the document's font settings

**Question Number : 80 Question Id : 1064262390 Question Type : MCQ Option Shuffling : Yes Correct Marks : 1 Wrong Marks : 0**

In a spreadsheet, which feature would you use to restrict a cell to only accept numerical entries?

**Options :**

1. ✖ Conditional Formatting
2. ✔ Data Validation
3. ✖ Sort
4. ✖ Filter