

JEECUP 2024 Group D Polytechnic Question Paper with Solution

Time Allowed :3 Hours

Maximum Marks :80

Total Questions :16

General Instructions

Read the following carefully and follow them strictly:

The paper consists of **100 multiple-choice questions (MCQs)**. For each correct answer, **+4 marks** will be awarded, and for each incorrect answer, **-1 mark** will be deducted.

2. If a candidate fills more than one circle for a question, the answer will be considered **invalid**.
3. The OMR answer sheet instructions will be given separately. Follow these instructions carefully, and ensure that all entries and circles are filled with a **ballpoint pen**.
4. Candidates must follow all instructions given by the **Centre Superintendent, Invigilator, or Board Authorities**. Failure to do so, or engaging in misconduct, such as tearing the question paper, exchanging written materials, or assisting others, will result in cancellation of the exam.
5. The use of **log tables, electronic calculators, pagers, mobile phones, and slide rules** is strictly prohibited during the examination.
6. The answer sheet should be filled carefully with a **ballpoint pen**. Make sure to mark the correct answer, as no changes will be allowed once the circle is filled.
7. After the examination, candidates may keep the question paper, but the answer sheet should be submitted as per the instructions.

Read the given passage carefully and answer questions that follow :

The role of participative plural governance is central to the inclusive growth model that India has instituted. It has led to a growth oriented, investor friendly and sustainable climate for business. India inherited the institutions of democracy at independence then strengthened and reinforced.it. This has enabled citizens to be active participants in governance. The judicial system allows for rule of law and recourse to justice. The media includes news channels, newspapers, journals and the like. Often vocal and noisy the media is one of the main sentinels of democratic process. Human rights are protected by National Human Rights Commission having civil rights activists and groups. Minority group interests are looked after by national commissions for minorities, scheduled castes and scheduled tribes. The Right to Information Act is a milestone legislation for transparency and accountability in governance processes. The Unique Identification Authority has rolled out ID Cards and expects to offer a number of social services. The UID project promises to be a game changer in governance in India. The Indian governance system is federal with responsibilities demarcated among Central and State Governments. While defence, foreign relations and economic management, among other areas rest with the

Central Government, crucial sector such as law and order, education, agriculture, rural development and health are the responsibility of the State Governments. This helps State Governments to experiment novel ideas. The strength and resilience of democracy not only articulates the aspirations of people but also sustains an investor friendly business climate. The governance agenda is constantly evolving and there is high awareness of the need for a more responsive, effective and transparent process. India's growth process under a democratic government is a sustainable, humane and the just path to development.

1. According to the author, what contributes to the inclusive growth model ?

- (1) The delegation of powers at various levels in Central Government.
 - (2) Helping all sections of society in improving their standard of living by distributing items which the people need.
 - (3) By providing funds to the poor for their felt needs.
 - (4) By ensuring participative governance at various levels.
-

2. How has democracy helped in inclusive growth ?

- (1) People's representatives are elected by people themselves, who pursue the matters related before the people responsible for it.
 - (2) The media works as a watch dog and acrs the infirmities in implementation of governance activities.
 - (3) People can approach the courts for their grievances regarding growth or other issues.
 - (4) All of the above.
-

3. How is the Indian governance system federal ?

- (1) Central Government enforces all the needs in States and Union Territories.
 - (2) The powers of State and Central Government are clearly demarcated to ensure special measures in specific areas of their activity to be implemented by them.
 - (3) The Central Government gives guidelines on all issues to States who are responsible for their implementation.
 - (4) None of these.
-

4. According to the author, what is desirable regarding growth in a democracy ?

- (1) It should take care of the elected representatives by giving them facilities.
- (2) It should include participative governance and have effective responsive, humane, sustainable and just processes of development.
- (3) The Chief Ministers should be given better means for implementing schemes.
- (4) None of the above.

5. The main statement is followed by four sentences. Select a pair of sentences that relate logically with the given statement. Whenever Ram hears a tragedy, he loses sleep.

- (a) Ram heard a tragedy.
- (b) Ram did not hear a tragedy.
- (c) Ram lost sleep.
- (d) Ram did not lose sleep.
- (1) (c) (d)
- (2) (b) (c)
- (3) (d) (b)
- (4) (a) (d)

6. Choose the best alternative to complete the sentences. Shyam asked me to keep his secret _____

- (1) amongst us
- (2) in between us
- (3) in myself
- (4) to myself

7. The ideas that these companies used seem so clear with _____ that their rivals will now _____ themselves for not thinking of them first.

- (1) technology, hit
- (2) new ideas, disparage
- (3) the passage of time, curse
- (4) hind sight, kick

8. I am always the first to admit that I have not accomplished everything that I _____ achieve five years ago.

- (1) set out to
- (2) went to
- (3) thought to
- (4) thought of

9. In India talent is astonishing and it increases _____

- (1) each year.
- (2) year by year.
- (3) annually.

(4) progressively.

10. This is not the first time that the management has done some _____

- (1) tough talk.
 - (2) tough talking.
 - (3) firm talk.
 - (4) firm talking.
-

11. Pair of underlined words are followed by four pairs of words. Choose the pair of words which best expresses the relationship similar to that expressed in the underlined pair of words.

Tree : Trunk

- (1) pen : ink
 - (2) car : chassis
 - (3) cabin : log
 - (4) arm : body
-

12. Pair of underlined words are followed by four pairs of words. Choose the pair of words which best expresses the relationship similar to that expressed in the underlined pair of words.

Circle : Arc

- (1) line : segment
 - (2) part : whole
 - (3) percent : fraction
 - (4) small : big
-

13. In each of the following sentences, a part of the sentence is underlined. Beneath each sentence four different ways of phrasing the underlined part are indicated. Choose the best alternative among the four.

The customs followed in Sri Lanka are very similar to the South of India.

- (1) are very similar to that of the South of India.
 - (2) often resemble that of South of India.
 - (3) are very similar to South of India's customs.
 - (4) are very similar to those followed in the South of India.
-

14. In each of the following sentences, a part of the sentence is underlined. Beneath each sentence four different ways of phrasing the underlined part are indicated. Choose the best alternative among the four.

If psycho analysis teaches us that we are not internally free, sociology will tell us that there are powerful external constraints on our individual freedom.

- (1) Sociology will tell us that powerful external constraints also exist.
- (2) Sociology might tell us that there are powerful external constraints.
- (3) Sociology might teach us that there are powerful external constraints.
- (4) Sociology tells us that there are powerful external constraints.

15. In each of the following sentences, a part of the sentence is underlined. Beneath each sentence four different ways of phrasing the underlined part are indicated. Choose the best alternative among the four.

Of the many decisions facing the new government, as it meets to decide on new policies for the new budget, the question of taxation of agricultural produce is in all certainty most important

- (1) appears to be the most important.
- (2) is certainly the most important.
- (3) seems to be in all certainty most important.
- (4) seems to be certainty most important.

(16-20) दिये गये अवतरण को ध्यानपूर्वक पढ़िये और उस पर आधारित प्रश्नों के उत्तर दिये गये विकल्पों में से चुनिये :

ऐसा माना जाता है कि परम्परा अब तक के सभी आचार-विचारों का जमाव है। सभी पुरानी बातें परम्परा कह दी जाती हैं जब कि सत्य यह है कि परम्परा भी एक गतिशील प्रक्रिया की देन है परम्परा का शब्दार्थ है एक से दूसरे को, दूसरे से तीसरे को दिया जाने वाला क्रम। पर परम्परा से हमें समूचा अतीत नहीं प्राप्त होता। उसका निरन्तर निखरता, छूटता, बदलता रूप प्राप्त होता है। उसके आधार पर हम आगे की जीवन पद्धति को रूप देते हैं। इस प्रकार परम्परा का अर्थ विशुद्ध अतीत नहीं है। वह एक निरन्तर गतिशील जीवन्त प्रक्रिया है। खड़ा पैर परम्परा है, और चलता पैर आधुनिकता। इसी के समान्तर आधुनिकता का अर्थ क्या केवल समय सापेक्ष है? इस समय जो कुछ है क्या वही आधुनिक है? ऐसा नहीं है। हम बराबर देखते हैं कि कुछ बातें इस समय ऐसी हैं जो आधुनिक नहीं हैं बल्कि मध्यकालीन हैं। वस्तुतः मनुष्य ने अनुभवों द्वारा जिन गहनीय मूल्यों को उपलब्ध किया है, उन्हें नये संदर्भ में देखने की दृष्टि आधुनिकता है। यह एक गतिशील प्रक्रिया है। सन्दर्भ बदल रहे हैं क्योंकि नई जानकारीयों से नए साधन और नए उत्पादन सुलभ होते जा रहे हैं। नई सामग्रियाँ और नए कौशल नवीन संदर्भों की रचना कर रहे हैं। आधुनिकता ज्ञान की अत्याधुनिक उपलब्धियों के आलोक में रूप ग्रहण करने का प्रयास कोई भी आधुनिक विचार आसमान में नहीं पैदा होता। सबकी जड़ परम्परा में गहराई तक गई हुई है। सुन्दर से सुन्दर फूल यह दावा नहीं कर सकता कि वह पेड़ से भिन्न होने के कारण उससे एकदम अलग है। इसी प्रकार कोई भी आधुनिक विचार यह दावा नहीं कर सकता कि वह परम्परा से कटा हुआ है। कार्य-करण के रूप में, आधार आधेय के रूप में परम्परा की एक शृंखला अतीत में गहराई तक, बहुत गहराई तक गई हुई है।

16. आधुनिकता और परम्परा में कैसा सम्बन्ध है ?

- (1) अजर-अमर
 - (2) आकांक्षी
 - (3) विशिष्ट
 - (4) अविच्छिन्न
-

17. आधुनिकता एक गतिशील प्रक्रिया है, क्योंकि

- (1) गति ही जीवन है ।
 - (2) समय गतिशील है ।
 - (3) ज्ञान का विकास, चिन्तन प्रक्रिया को निरन्तर बदलता रहता है ।
 - (4) युग परिवर्तन की प्रक्रिया सतत गतिशील रहती है ।
-

18. परम्परा का महत्त्व अक्षुण्ण क्यों है ?

- (1) क्योंकि उसमें मनुष्य का इतिहास सुरक्षित है ।
 - (2) क्योंकि उसका आधार भविष्य की जीवन पद्धति को रूप देता है ।
 - (3) क्योंकि उसके साथ व्यक्ति का भावात्मक लगाव होता है ।
 - (4) वह प्राचीन विचारों का जमाव है ।
-

19. आधुनिकता से क्या अभिप्राय है ?

- (1) वर्तमान समय से जुड़ा होना ।
 - (2) परम्परा का पूर्ण तिरस्कार ।
 - (3) परम्परा से अर्जित मूल्यों की नए संदर्भ में परख ।
 - (4) नये मूल्यों की खोज ।
-

20. आधुनिकता की मूल अवधारणा बौद्धिक क्यों है ?

- (1) क्योंकि आधुनिकता ज्ञान की अत्याधुनिक उपलब्धियों के साथ में विकसित होती है ।
 - (2) क्योंकि बुद्धि ही आधुनिकता का मार्ग प्रशस्त करती है ।
 - (3) क्योंकि केवल शिक्षित वर्ग ही आधुनिक होता है ।
 - (4) क्योंकि यह आधुनिक बुद्धिजीवियों का विलास है ।
-

21. (21-23) दिये गये चार विकल्पों में से एक विकल्प में शब्द की शुद्ध वर्तनी दी गई है । उस शुद्ध वर्तनी का चयन करिये :

-
- (1) पुरुशार्थ
 - (2) पुरशार्थ
 - (3) पुरुषार्थ
 - (4) पुरुसार्थ
-

22. (21-23) दिये गये चार विकल्पों में से एक विकल्प में शब्द की शुद्ध वर्तनी दी गई है। उस शुद्ध वर्तनी का चयन करिये :

-
- (1) व्यावसायिक
 - (2) व्यवसायिक
 - (3) व्यावासायिक
 - (4) व्यवासायिक
-

23. (21-23) दिये गये चार विकल्पों में से एक विकल्प में शब्द की शुद्ध वर्तनी दी गई है। उस शुद्ध वर्तनी का चयन करिये :

-
- (1) सांविधुनिक
 - (2) संविधानिक
 - (3) सांविधानिक
 - (4) संविधनिक
-

(24-25) प्रत्येक मुहावरे के अर्थ के लिए चार विकल्प दिये गये हैं। उनमें से उचित विकल्प का चयन करिए।

24. अन्न को कन्न करना

- (1) नमकहरामी करना
 - (2) झूठ बोलना
 - (3) धोखा देना
 - (4) बनी बात बिगाड़ना
-

25. गर्दन न उठाना

- (1) अधीन होना
- (2) लज्जित होना
- (3) अपमानित होना

(4) विरोध न करना

26. आँख के अंधे _____ नयन सुख

- (1) नाक
 - (2) कान
 - (3) काम
 - (4) नाम
-

27. _____ धतूरे सों कहत गहनो गढ़ो न जात

- (1) रजत
 - (2) कनक
 - (3) कंचन
 - (4) स्वर्ण
-

28. जिसका मन किसी दूसरी ओर हो

- (1) किकर्तव्यविमूढ़
 - (2) दुविधामयं
 - (3) अन्यमनस्क
 - (4) चंचलं
-

29. क्षणिक एवं तीव्र आनन्द

- (1) उल्लास
 - (2) प्रसन्नता
 - (3) आह्लाद
 - (4) आनन्द
-

30. आदि से अन्त तक

- (1) अनन्त
 - (2) तदुपरान्त
 - (3) आद्योपान्त
 - (4) आविर्भाव
-

31. Who is the Cabinet Minister of Water Resources and Minority Affairs in Government of India ?

- (1) Ghulam Nabi Azad
 - (2) Farooq Abdullah
 - (3) Salman Khursheed
 - (4) E. Ahamed
-

32. The Minister of State with independent charge for Steel Ministry in the Government of India is

- (1) Beni Prasad Verma
 - (2) Pradeep Jain
 - (3) Krishna Tirath
 - (4) Namo Narain Meena
-

33. Who has won the Gold Medal in Men's Tennis Singles in the 34th National Games ?

- (1) Mithun Murali
 - (2) Karan Rastogi
 - (3) Vivek Shokeen
 - (4) Ashutosh Singh
-

34. Which team has won the Basketball Gold Medal for men in the National Games held in February 2011 ?

- (1) Punjab
 - (2) Uttarakhand
 - (3) Maharashtra
 - (4) None of these
-

35. The Women Singles Tennis title in the Australian Open held in 2011 was won by

- (1) Li Na
 - (2) Caroline Wozniacki
 - (3) Kim Clisters
 - (4) None of these
-

36. Earthquake hit the Christchurch city in February 2011. In which country is Christchurch located ?

- (1) Australia
 - (2) Japan
 - (3) New Zealand
 - (4) Malaysia
-

37. The exemption limit for general men aged 50 years or less in income tax in the financial year 2010-11 is

- (1) ₹1.60 lacs
 - (2) ₹1.50 lacs
 - (3) ₹1.90 lacs
 - (4) ₹2.40 lacs
-

38. The term of the members of Lok Sabha in India is

- (1) 4 years
 - (2) 5 years
 - (3) 6 years
 - (4) None of these
-

39. Where were the last Olympics games held ?

- (1) Mexico
 - (2) China
 - (3) Germany
 - (4) Australia
-

40. Which film made in India won the Oscar Award in the year 2010 ?

- (1) Peepli Live
 - (2) Slumdog millionaires
 - (3) My name is Khan
 - (4) None of these
-

41. The leader of opposition in the Rajya Sabha is

- (1) Yashwant Sinha
- (2) Murli Manohar Joshi
- (3) Arun Jaitley
- (4) None of these

42. The white light is made up of the following colours :

- (1) green, yellow, blue, red, brown
- (2) green, blue, red, indigo, violet
- (3) red, orange, yellow, green, brown, indigo, violet
- (4) None of these

43. Which of these countries, is most earthquake prone ?

- (1) New Zealand
- (2) Australia
- (3) Japan
- (4) None of these

44. The upper limit for spending in Parliamentary and Assembly election in U.P. for candidates as per conduct of Election Rules is respectively :-

- (1) Rs. 40 lacs, Rs. 16 lacs
- (2) Rs. 40 lacs, Rs. 11 lacs
- (3) Rs. 22 lacs, Rs. 8 lacs
- (4) None of these

45. In which year are the State Assembly elections due in Uttar Pradesh ?

- (1) 2012
- (2) 2013
- (3) 2014
- (4) None of these

46. The founder of Wikileaks Site who is responsible for releasing American diplomatic cables, is :

- (1) Rudolf Elmer
- (2) Julius Baer
- (3) Julian Assange
- (4) None of these

47. The longest Women's Tennis match was played for 4 hours 44 minutes in the Australian Open 2011 between :

- (1) Wozniacki and Li Na
 - (2) Barbora Zahlavova and Regina Kulekova
 - (3) Schiavone and Svetlana Kuznetsova
 - (4) None of these
-

48. The process of liberalization started in India in the year :

- (1) 1989
 - (2) 1991
 - (3) 1996
 - (4) None of these
-

49. Central zone of railways is headquartered at

- (1) Indore
 - (2) Bhopal
 - (3) Pune
 - (4) None of these
-

50. The least populous State of India is

- (1) Sikkim
 - (2) Mizoram
 - (3) Arunachal Pradesh
 - (4) None of these
-

51. The mobile number portability has been made operational due to the reason that :

- (1) change would be to access better service, improved care and to obtain better tariff plan.
 - (2) the service providers do not give them incentives for using their facility.
 - (3) They (service providers) should provide tariff at lowest rate prevalent for services.
 - (4) None of these
-

52. Due to rise in International prices of Crude Petroleum Oil, Government has authorized the oil marketing companies to fix retail price of

- (1) all Petroleum products
- (2) only Diesel
- (3) only Petrol
- (4) only Cooking Gas

53. The faster means of transport for National Capital Region cities of Noida, Delhi and Gurgaon is

- (1) Air conditioned buses
- (2) Passenger trains
- (3) Radio Taxis
- (4) Metro-trains

54. The World Bank President is

- (1) Robert Geithner
- (2) Ben Bernanke
- (3) Robert Zoellick
- (4) None of these

55. Which team has won the Ranji Trophy Final held in January 2011 ?

- (1) Baroda
- (2) Rajasthan
- (3) Delhi
- (4) Mumbai

56. If two parallel lines are intersected by a transversal, bisectors of its interior angles will form

- (1) Square
- (2) Rhombus
- (3) Rectangle
- (4) None of these

57. $(55 \times 5 + 5 - 5 \text{ of } 5 + 5 + 5 - 5 + 5)$ is equal to

- (1) 25
- (2) 7.5
- (3) 0
- (4) None of these

58. Instead of walking along two adjacent sides of a rectangular field, a boy took a short cut along the diagonal and saved a distance equal to half the longer side. Ratio of the

length of shorter side to that of the longer side is :-

- (1) 3 : 4
 - (2) 2 : 3
 - (3) 1 : 2
 - (4) 1 : 4
-

59. On a straight road AB 100 metres long, five heavy stones are placed 4 metres apart beginning at the end A. A worker starting at A has to transport all stones to B by carrying one stone at a time. The minimum total distance he has to travel is

- (1) 960 m
 - (2) 820 m
 - (3) 468 m
 - (4) None of these
-

60. The greatest five digit number divisible by 1246 is

- (1) 99680
 - (2) 99450
 - (3) 99540
 - (4) 99860
-

61. There are two jars. One contains 8 litres of brandy, second contains 8 litres of water. One litre of brandy is transferred from first jar to second jar. Again one litre of mixture is taken out from jar second and transferred to jar 1. Ratio of the amount of water in first jar to the amount of brandy in second jar is

- (1) 6:7
 - (2) 7:6
 - (3) 1:1
 - (4) 8:9
-

62. If ₹5, 600 is divided among A, B and C such that A gets ₹1, 000 less than B and C gets ₹1, 200 less than B, the share of B will be

- (1) ₹1, 800
 - (2) ₹2, 600
 - (3) ₹1, 600
 - (4) None of these
-

63. When 8^{2000} is divided by 7, the remainder equals

- (1) 6
 - (2) 4
 - (3) 1
 - (4) None of these
-

64. A trader buys spirit at ₹60 per litre, adds water to it sells it at ₹75 per litre. If his profit in the deal is 37.5%, the ratio of spirit to water is

- (1) 9:1
 - (2) 10:1
 - (3) 11:1
 - (4) None of these
-

65. In a factory, average salary of employees is ₹7,000. If the average salary of 12 officers is Rs. 40,000 and that of remaining employees is ₹6,000, the number of employees in the factory will be

- (1) 450
 - (2) 420
 - (3) 408
 - (4) 380
-

66. Various terms of a letter series are given with one term missing as shown by ?. The series is made on the basis of a certain pattern. Choose the missing term out of the given alternatives.

A, Z, X, B, V, T, C, R, ?, ?

- (1) E, U
 - (2) Q, E
 - (3) P, D
 - (4) Q, O
-

67. OTE, PUF, QVG, RWH, ?

- (1) SYJ
 - (2) SXJ
 - (3) SXI
 - (4) TYJ
-

68. AB, BA, ABC, CBA, ABCD, ?

- (1) BACD
 - (2) DBAC
 - (3) DCBA
 - (4) CABD
-

69. If VICTORY is coded as YLFWRUB, then SUCCESS will be coded as

- (1) VYEEHV
 - (2) VXFFHV
 - (3) VYFFHV
 - (4) VYEEIV
-

70. If DIAMOND is coded as VQYMKLV, then FEMALE will be coded as

- (1) TUMYNU
 - (2) TUMZOU
 - (3) TUNYNV
 - (4) TUZMUO
-

71. If 'air' is called 'green', 'green' is called 'blue', 'blue' is called 'sky', 'sky' is called 'yellow', 'yellow' is called 'water' and 'water' is called 'pink', then what is the colour of clear sky ?

- (1) Blue
 - (2) Sky
 - (3) Yellow
 - (4) Water
-

72. If 'rat' is called 'dog', 'dog' is called 'mongoose', 'mongoose' is called 'lion', 'lion' is called 'snake' and 'snake' is called 'elephant', which one is reared as pet ?

- (1) Rat
 - (2) Dog
 - (3) Mongoose
 - (4) Lion
-

73. Pointing to a photograph, a man said, "I have no brother or sister but that man's father is my father's son." The photograph was of

- (1) His own

- (2) His son's
 - (3) His father's
 - (4) None of these
-

74. Pointing out to a lady, Ranjan said, "She is the daughter of the woman who is the mother of the husband of my mother." How is the lady related to Ranjan ?

- (1) Daughter
 - (2) Sister
 - (3) Sister-in-law
 - (4) Aunt
-

(Question Nos. 75 to 78) :

- (A) A, B, C, D, E and F are six members of a family.**
- (B) One couple has parents and their children in the family.**
- (C) A is the son of C and E is daughter of A.**
- (D) D is daughter of F who is mother of E.**

Based on above information, choose the alternative out of the options given.

75. Which of the following pairs is the parents of the children ?

- (1) B, C
 - (2) C, F
 - (3) B, F
 - (4) A, F
-

76. Which of the following pairs is the parents of the couple ?

- (1) A, B
 - (2) B, C
 - (3) A, F
 - (4) C, F
-

77. The number of female members is

- (1) 2
- (2) 3
- (3) 4
- (4) None of these

78. What is the relationship between D & E ?

- (1) Mother and Son
 - (2) Sister and Brother
 - (3) Sisters
 - (4) None of these
-

83. Who among Shyam, Nath, Varun and Muneer is youngest ?

A. Varun is younger than Muneer but older than Shyam and Nath

B. Muneer is the oldest

C. Shyam is older than Nath

- (1) only A
 - (2) A and B together
 - (3) B and C together
 - (4) A and C together
-

In the questions below an assertion A is followed by the reason R. Choose the correct alternative from the following :

84. Assertion (A): Increase in carbon dioxide would melt polar ice.

Reason (R): Global temperature would rise.

- (1) Both (A) and (R) are true, and (R) is the correct explanation of (A).
 - (2) Both (A) and (R) are true, but (R) is not the correct explanation of (A).
 - (3) (A) is true, but (R) is false.
 - (4) (A) is false, but (R) is true.
-

85. In the questions below an assertion A is followed by the reason R. Choose the correct alternative from the following :

Assertion (A): In India, the judiciary is independent of the executive.

Reason (R): Judiciary favour the government and helps in implementation.

- (1) Both (A) and (R) are true, and (R) is the correct explanation of (A).
 - (2) Both (A) and (R) are true, but (R) is not the correct explanation of (A).
 - (3) (A) is true, but (R) is false.
 - (4) (A) is false, but (R) is true.
-

86. Assertion (A): Ashoka pillars have retained their gloss in their surface.

Reason (R): Moisture laden winds do not blow in the areas where they are located.

- (1) Both (A) and (R) are true, and (R) is the correct explanation of (A).
 - (2) Both (A) and (R) are true, but (R) is not the correct explanation of (A).
 - (3) (A) is true, but (R) is false.
 - (4) (A) is false, but (R) is true.
-

87. A tree always has

- (1) shadow
 - (2) leaves
 - (3) fruits
 - (4) roots
-

88. A fan always has

- (1) current
 - (2) switch
 - (3) regulator
 - (4) blades
-

89. Choose the word that is not like the other words in the group.

- (1) Copper
 - (2) Tin
 - (3) Platinum
 - (4) Brass
-

90. Choose the word that is not like the other words in the group.

- (1) Physics
 - (2) Geography
 - (3) Chemistry
 - (4) Botany
-

91. Choose the word that is not like the other words in the group.

- (1) Mustard
- (2) Rapeseed
- (3) Groundnut
- (4) Cashew nut

(Question Nos. 92 to 95) Read the information carefully and answer questions that follow: (a) P, Q, R, S, T and U are six students preparing for their master's degree in six different subjects - English, Physics, History, Statistics, Philosophy, Mathematics. (b) Two of them stay in hostel, two stay as paying guest and the remaining two at their homes. (c) R does not stay as PG and studies Philosophy. (d) The students studying Statistics and History do not stay as paying guest. (e) T studies Mathematics and S studies Physics. (f) U and S stay in hostel. T stays as paying guest and Q stays at home.

92. Who studies English ?

- (1) R
- (2) S
- (3) P
- (4) T

93. Which of the following combinations of subject and place of stay is not correct ?

- (1) English - Hostel
- (2) Mathematics - Paying guest
- (3) Physics - Hostel
- (4) Philosophy - Home

94. Out of the following pairs, one student stays in hostel and the other at his home. Which pair is that ?

- (1) Q, R
- (2) S, R
- (3) U, S
- (4) None of these

95. Which of the following pairs of students, stays at home ?

- (1) Q, R
- (2) P, Q
- (3) R, S
- (4) S, T

96. Raunak walks 20 m Northwards. Then turns right and walks 30 m. Then he turns right and walks 35 m. Then he turns left and walks 15 m. Then he again turns left

and walks 15 m. In which direction and how many metres away is he from his original position ?

- (1) 15 m, West
 - (2) 30 m, East
 - (3) 30 m, West
 - (4) 45 m, East
-

97. The door of Madan's house faces the East. From the back side of his house, he walks straight 50 metres, then turns to the right and walks 50 metres again. Finally he turns leftwards and stops after 25 metres. In which direction is Madan from starting point ?

- (1) North-East
 - (2) North West
 - (3) South-West
 - (4) South-East
-

98. If every even letter of alphabets beginning with B is replaced by odd number beginning with 3, which letter/number will be the third to the right of the tenth number/letter counting from your right ?

- (1) M
 - (2) S
 - (3) 21
 - (4) 23
-

(Question Nos. 99 to 100) Study the letter series given below and answer the question that follow :

99. HDYSMWNBQPOCRTBLZ VEGUF

Which letter occurs twice ?

- (1) S
 - (2) M
 - (3) B
 - (4) E
-

100. HDYSMWNBQPOCRTBLZ VEGUF

Which letter has the same neighbours as in alphabetical order although they have changed places ?

- (1) M

- (2) N
 - (3) P
 - (4) O
-