

(To be filled up by the candidate by blue/black ball-point pen)

Roll No.

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Roll No.
(Write the digits in words)

Serial No. of OMR Answer Sheet

Day and Date (Signature of Invigilator)

INSTRUCTIONS TO CANDIDATES

(Use only **blue/black ball-point pen** in the space above and on both sides of the Answer Sheet)

1. Within 10 minutes of the issue of the Question Booklet, check the Question Booklet to ensure that it contains all the pages in correct sequence and that no page/question is missing. In case of faulty Question Booklet bring it to the notice of the Superintendent/Invigilators immediately to obtain a fresh Question Booklet.
2. Do not bring any loose paper, written or blank, inside the Examination Hall *except the Admit Card without its envelope.*
3. A separate Answer Sheet is given. *It should not be folded or mutilated. A second Answer Sheet shall not be provided. Only the Answer Sheet will be evaluated.*
4. Write your *Roll Number and Serial Number of the Answer Sheet by pen* in the space provided above.
5. **On the front page of the Answer Sheet, write by pen your Roll Number in the space provided at the top, and by darkening the circles at the bottom. Also, wherever applicable, write the Question Booklet Number and the Set Number in appropriate places.**
6. No overwriting is allowed in the entries of Roll No., Question Booklet No. and Set No. (if any) on OMR sheet and also Roll No. and OMR Sheet No. on the Question Booklet.
7. Any change in the aforesaid entries is to be verified by the invigilator, otherwise it will be taken as unfair means.
8. Each question in this Booklet is followed by four alternative answers. *For each question, you are to record the correct option on the Answer Sheet by darkening the appropriate circle in the corresponding row of the Answer Sheet, by ball-point pen as mentioned in the guidelines given on the first page of the Answer Sheet.*
9. For each question, darken only one circle on the Answer Sheet. If you darken more than one circle or darken a circle partially, the answer will be treated as incorrect.
10. *Note that the answer once filled in ink cannot be changed. If you do not wish to attempt a question, leave all the circles in the corresponding row blank (such question will be awarded zero mark).*
11. For rough work, use the inner back page of the title cover and the blank page at the end of this Booklet.
12. Deposit *only the OMR Answer Sheet* at the end of the Test.
13. You are not permitted to leave the Examination Hall until the end of the Test.
14. If a candidate attempts to use any form of unfair means, he/she shall be liable to such punishment as the University may determine and impose on him/her.

14P/298/31

No. of Questions/प्रश्नों की संख्या : 100

Time/समय : 2 Hours/घण्टे

Full Marks/पूर्णांक : 300

Note/नोट : (1) Attempt as many questions as you can. Each question carries 3 marks. One mark will be deducted for each incorrect answer. Zero mark will be awarded for each unattempted question.

अधिकाधिक प्रश्नों को हल करने का प्रयत्न करें। प्रत्येक प्रश्न 3 अंक का है। प्रत्येक गलत उत्तर के लिए एक अंक काटा जाएगा। प्रत्येक अनुत्तरित प्रश्न का प्राप्तांक शून्य होगा।

(2) If more than one alternative answers seem to be approximate to the correct answer, choose the closest one.

यदि एकाधिक वैकल्पिक उत्तर सही उत्तर के निकट प्रतीत हों, तो निकटतम सही उत्तर दें।

Directions (Question No. 1 to 5) : Find the correctly spelt words

1. (1) Assimmilate (2) Assimillate (3) Assimmalate (4) Assimilate
2. (1) Jeorpordise (2) Jeopardise (3) Jeorpardize (4) Jeoporodise
3. (1) Perceevable (2) Percievable (3) Percigable (4) Petroevable

4. (1) Conspicuas (2) Conspicuous (3) Conspicuous (4) Conspicuous

5. (1) Enunciate (2) Ennunciate (3) Einuunciate (4) Enounciate

Directions (Question No. 6 to 10) : Find the word carrying exactly the same meaning

6. Abandon

(1) Forget (2) Forgive (3) Desert (4) Pardon

7. Acquaint

(1) Accomodate (2) Aprise (3) Leave (4) Denounce

8. Discord

(1) Quarrel (2) Abuse (3) Distort (4) Distrust

9. Abate

(1) Check (2) Push (3) Abuse (4) Decrease

10. Breach

(1) Ocean (2) Violation (3) Break (4) Polite

Directions (Question No. 11 to 15) : Find the word that is most opposite in meaning of the given key words

11. Diligent

(1) Rough (2) Pleasant (3) Lazy (4) Strong

12. Dilapidated

- (1) Sturdy (2) Broken (3) Fixed (4) Spread

13. Dormant

- (1) Brilliant (2) Vibrant (3) Kind (4) Genius

14. Elucidate

- (1) Express (2) Explain (3) Examine (4) Confuse

15. Eradicate

- (1) Remove (2) Destroy (3) Implant (4) Hate

Directions (Question No. 16 to 20) : Four alternative meanings of each of the following idioms/proverbs are given below. Choose the appropriate one

16. Off and on

- (1) Repeatedly (2) Always (3) Occasionally (4) Never

17. To turn over a new leaf

- (1) To start writing a book (2) To work on a noble idea
(3) To change for the better (4) To clear the garden

18. Dark Horse

- | | |
|---------------------------------|--------------------------|
| (1) An extremely corrupt person | (2) A notorious criminal |
| (3) An extremely rich person | (4) An unexpected winner |

19. Ins and outs

- | | |
|------------------------------|---------------------------|
| (1) Entrances and exits | (2) Passages and pathways |
| (3) Details and complexities | (4) Rules and regulations |

20. To take some one to task

- | | |
|-----------------------------|------------------------------|
| (1) To give additional work | (2) To show anger officially |
| (3) To suspend | (4) To force to resign |

Directions (Question No. 21 to 25) : In each of the following questions, a sentence has been given in one voice (active/passive). Out of the four alternatives suggested, select the one which best expresses the same meaning in another voice (passive/active)

21. Open the door

- | | |
|-----------------------------|-----------------------------|
| (1) The door must be opened | (2) The door will be opened |
| (3) The door is opened | (4) Let the door be opened |

22. I did not trust anybody

- | | |
|----------------------------------|-----------------------------------|
| (1) Nobody was trusted by me | (2) Nobody has been trusted by me |
| (3) Nobody will be trusted by me | (4) Anybody was trusted by me |

23. He hasn't slept in his bed

- (1) He has not been slept in his bed (2) His bed hasn't been slept in
 (3) His bed has been slept in (4) His bed had not been slept in

24. I was recommended another lawyer

- (1) Somebody recommended another lawyer
 (2) Somebody recommended me to another lawyer
 (3) Somebody recommended me another lawyer
 (4) Someone recommended to another lawyer

25. Must we cut this tree

- (1) Must this tree will cut (2) Must this tree be cut by us
 (3) Must this tree should be cut (4) Must this tree is cut

26. How many kg of Basmati rice costing ₹ 40 per kg should a shopkeeper mix with 30 kg of ordinary rice costing ₹ 20 per kg, so as to make a profit of 20% by selling the mixture at ₹ 30 per kg?

- (1) 10 kg (2) 30 kg (3) 12 kg (4) 08 kg

27. 8 men can complete a piece of work in twelve days. The same work can be completed by 6 women in 24 days or by 6 children in 32 days. 6 men, 12 women and 4 children worked together for 4 days. If the remaining work is to be completed by men alone in one day, how many total men would be required?

- (1) 24 (2) 16 (3) 48 (4) 32

28. Atul walked 30 m towards east, took a right turn and walked another 40 m. He again took a left turn and moved 30 m. In which direction is he now from the starting point?
- (1) East (2) West (3) North-east (4) South-east
29. Neeraj started walking positioning his back towards east. After sometime, he turned left, then turned right and then towards the left again. In which direction, is he going now?
- (1) East (2) West (3) North (4) South
30. Pointing to a photograph, Radhika says, "This man's son's son's son is my grandson." What is Radhika's husband's relation with the man in the photograph?
- (1) Son (2) Nephew (3) Father (4) Grandson
31. A man was 32 years of age when he had his first son. His wife was 35 years of age when his son attained the age of 7 years. The difference in age between the man and his wife is
- (1) 3 years (2) 4 years (3) 5 years (4) 7 years
32. A father says to his son, "At the time of your birth, I was as old as you are at present." If the father's age is 38 years, now, what was the son's age five years back?
- (1) 14 years (2) 18 years (3) 19 years (4) 12 years
33. Anmol purchased a wristwatch with a 20% discount on the labelled price. He sold it with 15% profit on the labelled price. Approximately what was his percent profit on the original cost price?
- (1) 35 (2) 66 (3) 46 (4) 56

34. In a particular locality, 70% of persons are male and 30% of persons are married. If two-seventh of the males are married. What proportion of females is single?
- (1) $2/7$ (2) $3/7$ (3) $2/3$ (4) $1/3$
35. Thirty percent of a number is equal to 45% of another number. What is the ratio between the first and the second number, respectively?
- (1) $2 : 3$ (2) $3 : 2$ (3) $3 : 5$ (4) $2 : 5$
36. If a bus travels 160 km in 4 hours and a train travels 320 km in 5 hours at uniform speed, what is the ratio of the distance travelled by them in one hour?
- (1) $8 : 6$ (2) $4 : 5$ (3) $5 : 8$ (4) $1 : 2$
37. All good athletes who want to win are disciplined and have a well-balanced diet. Therefore, athletes who do not have well-balanced diet are bad athletes.
- Which of the following statements supports the above views?
- (1) No bad athlete wants to win.
 (2) No athlete who does not take well-balanced diet is good athlete.
 (3) Every athlete who takes well-balanced diet is good athlete
 (4) All athlete who want to win are good athletes

Directions (Question No. 38 and 39) : Study the following paragraph carefully and answer the questions based there on

A, B and C are three students from Delhi University and P, Q and R are three students from B.H.U. Q is brighter than R but duller than the Delhi University student who is better than A. The same Delhi University student is duller than P but is brighter than C.

38. Who is brightest among the following?
- (1) R (2) C (3) B (4) P

39. Who is dullest among the following?

- (1) R (2) P (3) B (4) Q

Directions (Question No. 40 and 41) : A, B, C, D and E are sitting on a long bench. C is not sitting next to A or E. A and E have three persons sitting between them

40. Who is sitting in the middle of the bench?

- (1) B (2) D (3) C (4) E

41. Who are sitting at the extreme ends of the bench?

- (1) A and E (2) B and D (3) C and E (4) A and C

42. The numerator and the denominator of a fraction is in the ratio of 2 : 3. If 6 are deducted from the numerator, the value of the fraction becomes $\frac{2}{3}$ of the original fraction. What is the numerator of the fraction?

- (1) 21 (2) 30 (3) 16 (4) 18

Directions (Question No. 43 to 47) : A bag contains 3 red, 4 blue and 5 green balls

43. If three balls are picked up at random, what is the probability that all are blue?

- (1) $\frac{1}{4}$ (2) $\frac{3}{22}$ (3) $\frac{5}{12}$ (4) $\frac{1}{55}$

44. If two balls are picked up at random, what is the probability that both are either blue or both are green?
- (1) $8/33$ (2) $1/4$ (3) $3/4$ (4) $4/11$
45. If three balls are picked up at random, what is the probability that none is red?
- (1) $2/33$ (2) $1/4$ (3) $21/91$ (4) $4/11$
46. If two balls are picked up at random, what is the probability that at least one is green?
- (1) $5/12$ (2) $5/22$ (3) $1/6$ (4) $7/32$
47. If four balls are picked up at random, what is the probability that two are red and two are green?
- (1) $7/12$ (2) $6/11$ (3) $2/33$ (4) $1/3$

Directions (Question No. 48 to 50) : Read the following passage carefully and answer the questions that follow

A, B, C, D and E are the members of the same family. There are two fathers, two sons, two wives, 3 males and 2 females. The teacher was the wife of a lawyer who was the son of a doctor. E is not a male, neither also the wife of a professional. C is the youngest person in the family and D is the eldest. B is a male.

48. How is D related to E?

(1) Husband (2) Wife (3) Father (4)

49. Who are the females in the family?

- (1) C and E (2) C and D (3) E and A (4) D and E

50. Whose wife is a teacher?

- (1) A (2) B (3) C (4) E

Directions (Question No. 51 to 53) : In the following questions, find out the correct alternative to fill in the gaps

51. 14, 28, 20, 40, 32, 64, —

- (1) 96 (2) 52 (3) 56 (4) 128

52. SCD, TEF, UGH, ———, WKL

- (1) UJI (2) CMN (3) IJT (4) VIJ

53. B_2CD , ———, BCD_4 , B_5CD , BC_6D

- (1) BC_3D (2) BCD_7 (3) B_2C_3D (4) B_2C_2D

Directions (Question No. 54 to 57) : In the following questions, find the alternative which does not belong with others

54. (1) Spoon (2) Chair (3) Cup (4) Bowl

55. (1) Metre (2) Centimetre (3) Inch (4) Kilogram

56. (1) Father (2) Brother (3) Sister (4) Uncle
57. (1) Lassi (2) Coca-Cola (3) Soup (4) Ice-cream
58. A clock strikes once at 1 o'clock, twice at 2 o'clock and so on. If it takes 6 seconds to strike at 3 o'clock, how much time will it take to strike at 9 o'clock?
- (1) 18 seconds (2) 16 seconds (3) 24 seconds (4) 6 seconds

59. Find missing number in the following set :

2	4	6	8	10
2	14	34	?	98

- (1) 30 (2) 62 (3) 42 (4) 78
60. Select the missing number from the given alternatives



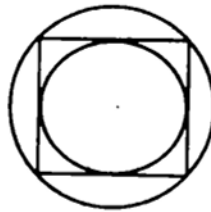
- (1) 13 (2) 19 (3) 14

Directions (Question No. 61 to 64) : The following table shows the circulation (in thousands) of five English dailies in the four States during X years. Study the table carefully and answer the questions

Newspapers	Kerala	Punjab	UP	HP
A	123	227	96	98
B	105	220	117.2	97
C	12.2	14.6	9.7	17.2
D	82.4	44	145	9.3
E	24.4	23	10	10

61. Which daily has the highest number of circulation?
 (1) A (2) B (3) D (4) E
62. What is the difference in the circulation of top two newspapers?
 (1) 13200 (2) 12200 (3) 15200 (4) 14200
63. The circulation of A newspaper in Punjab is how many times the circulation of B newspaper in HP?
 (1) 2.85 (2) 2.63 (3) 2.13 (4) 2.34
64. What is the ratio of circulation of newspaper D in Punjab and HP?
 (1) 4.7 : 1 (2) 5 : 1 (3) 4.3 : 1 (4) 5.2 : 1

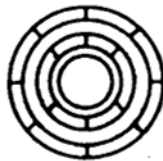
Directions (Question No. 65 to 69) : The following figure shows two concentric circles. The larger circle has diameter equal to 28 cm. The square is inscribed in the larger circle whereas the smaller circle is inscribed within the square



65. What is the area of the larger circle?
 (1) 654 sq cm (2) 541 sq cm (3) 412 sq cm (4) 616 sq cm

66. What is the approximate measure of the side of the square?
 (1) 12.6 cm (2) 12.2 cm (3) 19.8 cm (4) 21.7 cm
67. What is the approximate circumference of the smaller circle?
 (1) 68 cm (2) 62 cm (3) 49 cm (4) 54 cm
68. What is the approximate radius of the smaller circle?
 (1) 9.9 cm (2) 6.2 cm (3) 12.6 cm (4) 11.4 cm
69. What is the approximate perimeter of the square?
 (1) 56.4 cm (2) 82.2 cm (3) 79.2 cm (4) 64.8 cm

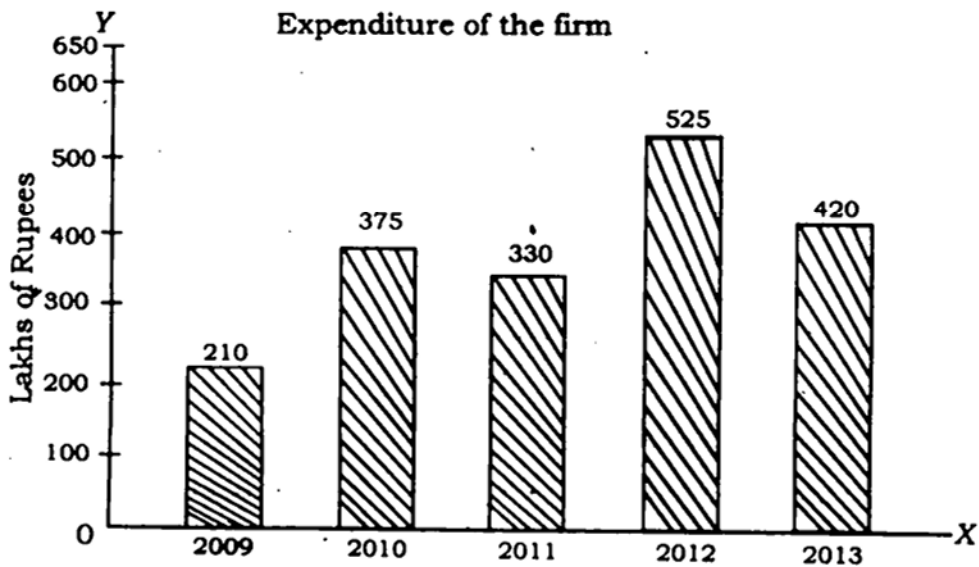
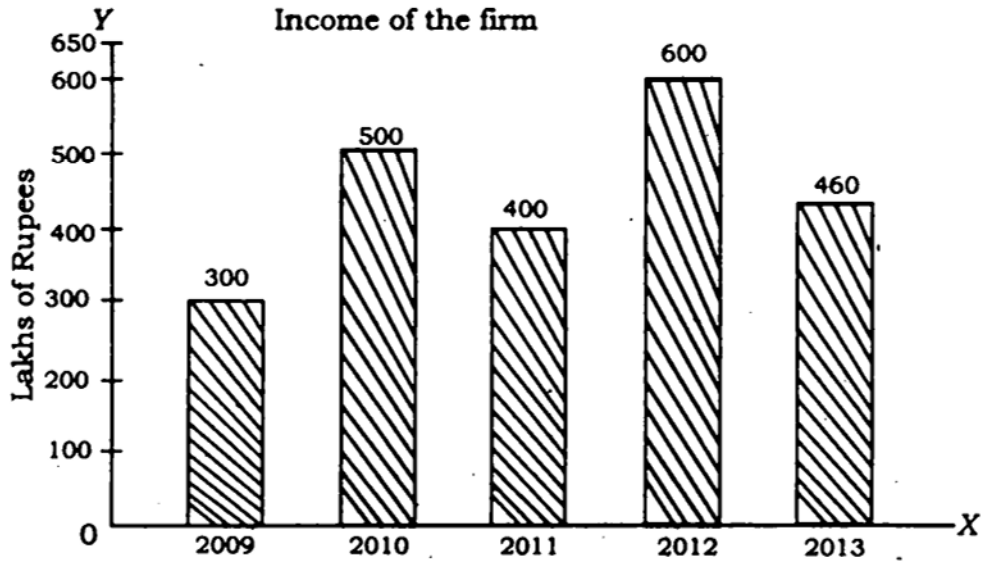
Directions : Look to the following figure and answer the question that follow



70. What is the minimum number of colours required to paint the above figure without using the same colour in two adjacent regions?

- (1) 5 (2) 3 (3) 4

Directions (Question No. 71 to 74) : Out of the two bar diagrams given below, one shows the income and the other shows the expenditure of a firm (in lakhs of rupees) for the last 5 years, 2009–2013



71. In which year the firm earned the maximum profit?

- (1) 2008 (2) 2013 (3) 2010 (4) 2012

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72. In which year the firm's profit was found to be the lowest?
(1) 2009 (2) 2011 (3) 2012 (4) 2013
73. In which year the expenditure as percentage of income was found to be the lowest?
(1) 2010 (2) 2009 (3) 2011 (4) 2012
74. In which year the expenditure as percentage of income was found to be maximum?
(1) 2013 (2) 2012 (3) 2011 (4) 2010
75. If the perimeter of a semi-circle is 72 cm, what will be the area of that semi-circle?
(1) 308 sq cm (2) 154 sq cm (3) 616 sq cm (4) 302 sq cm
76. A 240 metres long train crosses an electric pole in 7.2 seconds. How long will it take to cross a 360 metres long platform?
(1) 18 seconds (2) 10.8 seconds (3) 15 seconds (4) 12 seconds
77. Thirty percent of a number is equal to forty-five percent of another number. What is the ratio between the first and the second number respectively?
(1) 2 : 3 (2) 3 : 2 (3) 3 : 5 (4) 5 : 3
78. What is the maximum possible value of $(21\sin x + 72\cos x)$?
(1) 21 (2) 75 (3) 63 (4) 87

79. Devansh was studying for his examination and the light went off. It was around 1 a.m. He lighted two uniform candles of equal length but one thicker than the other. The thick candle is supposed to last 6 hours and the thin one two hours less. When he finally went to sleep, the thick candle was twice as long as the thin one.

For how long did Devansh study in candle light?

- (1) 2 hours (2) 3 hours
(3) 2 hours 45 minutes (4) 4 hours
80. A ping-pong ball is dropped from a 45 m high multi-story building. The ball bounces back three-fifth of the distance each time before coming to rest. If the ball bounces thrice, the total distance traversed by a ball is
- (1) 150 m (2) 180 m (3) 175 m (4) 120 m
81. India is the world's largest producer of tea. It accounts for what percentage of world's tea production?
- (1) 22 (2) 25 (3) 28 (4) 18
82. Which monsoon brings the maximum amount of rainfall?
- (1) South-East (2) South-West (3) North-East (4) North-West
83. In the following crops, which is not a cash crop?
- (1) Sugarcane (2) Cotton (3) Wheat (4) Tobacco

- 84.** Which of the following is a Kharif crop?
(1) Maize (2) Wheat (3) Gram (4) Peas
- 85.** Which of the following States producing maximum raw silk in India?
(1) Kerala (2) Karnataka
(3) Maharashtra (4) MP
- 86.** Which State is the largest store-house of minerals?
(1) West Bengal (2) Jharkhand
(3) Gujarat (4) Odisha
- 87.** Where is the Indian Agriculture Research Institute (IARI) located?
(1) Chennai (2) New Delhi (3) Mumbai (4) Kolkata
- 88.** Which rank is held by India in the production of tobacco?
(1) Second (2) First (3) Third (4) Fourth
- 89.** Which State is the largest producer of coffee in India?
(1) Maharashtra (2) Tamil Nadu
(3) Assam (4) Karnataka

90. The disease 'Blast' is related to which of the following crops?
(1) Bajra (2) Wheat (3) Rice (4) Sugarcane
91. Why has Prof. C. N. R. Rao been in the news recently?
(1) Because of his contribution to games and sports
(2) Because he was awarded Bharat Ratna
(3) Because of contribution to the society
(4) Because of his contribution to industry.
92. Who among the following is the Chairman of recently Constituted 7th Pay Commission?
(1) Justice Ashok Kumar Mathur
(2) Dr. Ratin Roy
(3) Justice B. N. Srikrishna
(4) C. Rangarajan
93. According to United Nation latest report, which country has by far the largest population of illiterate adults in the world?
(1) China (2) India (3) Pakistan (4) Indonesia
94. In which of the following cities, India's first monorail service has been launched recently?
(1) Mumbai (2) Bengaluru (3) Kolkata (4) Chennai

100. Why is Mr. Satya Nadel has been in the news recently?

- (1) Because he received an award
- (2) Because of his selection as CEO, Microsoft
- (3) Because of his contribution to industry
- (4) Because of his contribution to games and sports

अभ्यर्थियों के लिए निर्देश

(इस पुस्तिका के प्रथम आवरण-पृष्ठ पर तथा उत्तर-पत्र के दोनों पृष्ठों पर केवल नीली या काली बाल-प्वाइंट पेन से ही लिखें)

1. प्रश्न पुस्तिका मिलने के 10 मिनट के अन्दर ही देख लें कि प्रश्नपत्र में सभी पृष्ठ मौजूद हैं और कोई प्रश्न छूटा नहीं है। पुस्तिका दोषयुक्त पाये जाने पर इसकी सूचना तत्काल कक्ष-निरीक्षक को देकर सम्पूर्ण प्रश्नपत्र की दूसरी पुस्तिका प्राप्त कर लें।
2. परीक्षा भवन में लिफाफा रहित प्रवेश-पत्र के अतिरिक्त, लिखा या सादा कोई भी खुला कागज साथ में न लायें।
3. उत्तर-पत्र अलग से दिया गया है। इसे न तो मोड़ें और न ही विकृत करें। दूसरा उत्तर-पत्र नहीं दिया जायेगा, केवल उत्तर-पत्र का ही मूल्यांकन किया जायेगा।
4. अपना अनुक्रमांक तथा उत्तर-पत्र का क्रमांक प्रथम आवरण-पृष्ठ पर पेन से निर्धारित स्थान पर लिखें।
5. उत्तर-पत्र के प्रथम पृष्ठ पर पेन से अपना अनुक्रमांक निर्धारित स्थान पर लिखें तथा नीचे दिये वृत्तों को गाढ़ा कर दें। जहाँ-जहाँ आवश्यक हो वहाँ प्रश्न-पुस्तिका का क्रमांक तथा सेट का नम्बर उचित स्थानों पर लिखें।
6. ओ० एम० आर० पत्र पर अनुक्रमांक संख्या, प्रश्न-पुस्तिका संख्या व सेट संख्या (यदि कोई हो) तथा प्रश्न-पुस्तिका पर अनुक्रमांक सं० और ओ० एम० आर० पत्र सं० की प्रविष्टियों में उपरिलेखन की अनुमति नहीं है।
7. उपर्युक्त प्रविष्टियों में कोई भी परिवर्तन कक्ष निरीक्षक द्वारा प्रमाणित होना चाहिये अन्यथा यह एक अनुचित साधन का प्रयोग माना जायेगा।
8. प्रश्न-पुस्तिका में प्रत्येक प्रश्न के चार वैकल्पिक उत्तर दिये गये हैं। प्रत्येक प्रश्न के वैकल्पिक उत्तर के लिये आपको उत्तर-पत्र की सम्बन्धित पंक्ति के सामने दिये गये वृत्त को उत्तर-पत्र के प्रथम पृष्ठ पर दिये गये निर्देशों के अनुसार पेन से गाढ़ा करना है।
9. प्रत्येक प्रश्न के उत्तर के लिये केवल एक ही वृत्त को गाढ़ा करें। एक से अधिक वृत्तों को गाढ़ा करने पर अथवा एक वृत्त को अपूर्ण भरने पर वह उत्तर गलत माना जायेगा।
10. ध्यान दें कि एक बार स्याही द्वारा अंकित उत्तर बदला नहीं जा सकता है। यदि आप किसी प्रश्न का उत्तर नहीं देना चाहते हैं, तो सम्बन्धित पंक्ति के सामने दिये गये सभी वृत्तों को खाली छोड़ दें। ऐसे प्रश्नों पर शून्य अंक दिये जायेंगे।
11. रफ़ कार्य के लिये प्रश्न-पुस्तिका के मुखपृष्ठ के अन्दर वाले पृष्ठ तथा अंतिम पृष्ठ का प्रयोग करें।
12. परीक्षा के उपरान्त केवल ओ०एम०आर० उत्तर-पत्र परीक्षा भवन में जमा कर दें।
13. परीक्षा समाप्त होने से पहले परीक्षा भवन से बाहर जाने की अनुमति नहीं होगी।
14. यदि कोई अभ्यर्थी परीक्षा में अनुचित साधनों का प्रयोग करता है, तो वह विश्वविद्यालय द्वारा निर्धारित दंड का/की, भागी होगा/होगी।