# GRADE – VIII MODEL PAPER 2017

## COMPUTER EDUCATION

**Section A: Multiple Choice Questions**
**Marks: 40 Time: 50 minutes**

| Roll No | | | | | | |
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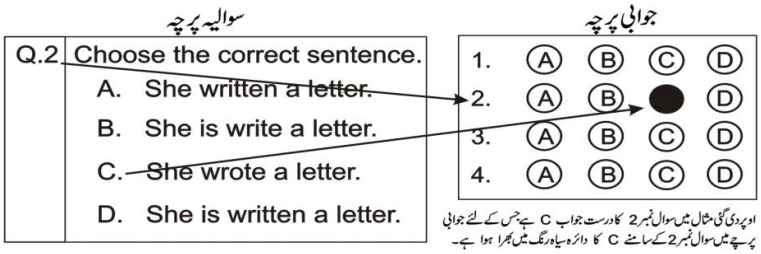


**ہدایات**

1. ہر سوال کے چار ممکنہ جوابات دیئے گئے ہیں۔ ان میں سے صرف ایک جواب درست ہے۔ جوابات کے لئے دیئے گئے علیحدہ جوابی پرچے پر متعلقہ دائرے میں سیاہ رنگ بھریں۔ سوالیہ پرچے پر جوابات کے نشان نہ لگائیں۔
2. جواب میں ایک سے زیادہ دائرے بھرنے سے جواب غلط تصور ہوگا۔
3. سوالیہ پرچے پر سوال نمبر مثلاً 1 ,2 ,3 ,4 ,5... اور اس کے صحیح جواب مثلاً D, C, B, A کو نوٹ کریں اور اس کے بعد جوابی پرچے پر اُسی سوال نمبر کے سامنے صحیح جواب کا دائرہ بھریں۔

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| **Q1.** | A device which accepts data in a network is called<br><br>A. sink.<br>B. channel.<br>C. processor.<br>D. source. | **Q2.** | A channel used between sending and receiving is<br><br>A. switch.<br>B. bridge.<br>C. transmission media.<br>D. modem. |
| **Q3.** | MAN stands for<br><br>A. Medium Area Network.<br>B. Metropolitan Area Network.<br>C. Modern Area Network.<br>D. Minimum Area Network. | **Q4.** | Internet is an example of<br><br>A. LAN.<br>B. MAN.<br>C. WAN.<br>D. PAN. |
| **Q5.** | Which of the following modems needs an expansion slot for connectivity?<br><br>A. Bluetooth<br>B. Wireless<br>C. External<br>D. Internal | **Q6.** | Which of the following addresses is used by Network Interface Card?<br><br>A. Binary address<br>B. Physical address<br>C. Memory address<br>D. Logic address |
| **Q7.** | How many pairs are there in a twisted-pair cable?<br><br>A. 2<br>B. 4<br>C. 6<br>D. 8 | **Q8.** | Which of the following is the fastest transmission media?<br><br>A. Coaxial cable<br>B. Shielded twisted-pair cable<br>C. Unshielded twisted-pair cable<br>D. Fibre-optic cable |
| **Q9.** | Weather forecast and television broadcast are transmitted through<br><br>A. cellular communication.<br>B. satellite communication.<br>C. global positioning system.<br>D. bluetooth. | **Q10.** | By default a new row is inserted<br><br>A. at the bottom of the spread sheet.<br>B. at the top of the spread sheet.<br>C. above the active cell.<br>D. below the active cell. |

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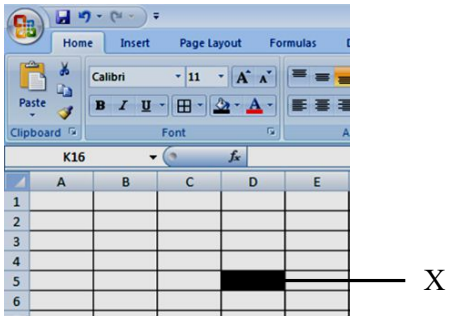
| **Q11.** | Which of the following security threats needs a host program to run?<br><br>A. Worm<br>B. Adware<br>C. Virus<br>D. Spyware | **Q12.** | Hacker is defined as a skilful computer<br><br>A. developer.<br>B. programmer.<br>C. administrator.<br>D. designer. |
| **Q13.** | Now a days, the common source of computer infections is<br><br>A. floppy disk.<br>B. flash disk (USB).<br>C. e-mail.<br>D. pirated software. | **Q14.** | An antivirus software works well when it is<br><br>A. outdated.<br>B. pirated.<br>C. removed.<br>D. updated. |
| **Q15.** | The database of all the current viruses is called<br><br>A. virus definitions.<br>B. anti-virus.<br>C. anti-banner.<br>D. virus identifications. | **Q16.** | Which of the following is an example of antivirus software?<br><br>A. MS-Excel<br>B. Microsoft security essential<br>C. Internet explorer<br>D. Clean disk |
| **Q17.** | In a spreadsheet, column-labels are recognized by<br><br>A. formula.<br>B. alphabets.<br>C. numbers.<br>D. alphanumeric. | **Q18.** | The 'X' in the given diagram indicates<br>  <br><br>A. sheet tab.<br>B. formula toolbar.<br>C. cell.<br>D. range. |
| **Q19.** | MS-Excel is the part of<br><br>A. MS-Essential.<br>B. MS-Windows.<br>C. MS-Paint.<br>D. MS-Office. | **Q20.** | = sum (A5 : F5),<br>In the given formula; A5 and F5 are<br><br>A. cell address.<br>B. row number.<br>C. column name.<br>D. cell range. |
| **Q21.** | By default, the number of sheets in MS-Excel workbook is<br><br>A. 1<br>B. 2<br>C. 3<br>D. 4 | **Q22.** | The name of the current workbook is always shown in the<br><br>A. title bar.<br>B. menu bar.<br>C. standard bar.<br>D. formula bar. |

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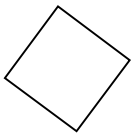
| **Q23.** | Save command is available in<br><br>A. edit menu.<br>B. format menu.<br>C. file menu.<br>D. insert menu. | **Q24.** | Which of the following bars contains the icons of command?<br><br>A. Standard toolbar<br>B. Status bar<br>C. Formatting toolbar<br>D. Title bar |
| **Q25.** | In spreadsheet, formula is always written in<br><br>A. active cell.<br>B. row.<br>C. passive cell.<br>D. column. | **Q26.** | In a flowchart, the given symbol is used for<br><br>A. processing.<br>B. decision.<br>C. input/output.<br>D. data flow.<br>  |
| **Q27.** | If we find the sum of two numbers *a* and *b*, then *a* and *b* are<br><br>A. input.<br>B. output.<br>C. formula.<br>D. process. | **Q28.** | On the connected page of a flowchart, the connector symbol is presented on _____ of the page.<br><br>A. left<br>B. right<br>C. top<br>D. bottom |
| **Q29.** | Flowchart symbols have been standardized by<br><br>A. Microsoft.<br>B. Oracle.<br>C. ANSI.<br>D. IBM. | **Q30.** | Which of the following is the correct format of writing the formula in BASIC language?<br><br>A. $A = \pi \times R^2$<br>B. A = 3.14 x R x R<br>C. $A = \pi \times (R^2)$<br>D. $A = 3.14 \times R^2$ |
| **Q31.** | Insert row or column, merge cells, delete row or column, are the commands of<br><br>A. file menu.<br>B. font menu.<br>C. left click menu.<br>D. right click menu. | **Q32.** | Which of the following is an example of a string constant?<br><br>A. Pakistan<br>B. 1834<br>C. "$14^{th}$ August, 1947"<br>D. $23^{rd}$ March, 1940 |
| **Q33.** | Which type of error is present in the given statement?<br><br>Sum = (a+b+c)/4<br><br>A. Syntax error<br>B. Logical error<br>C. Divide by zero error<br>D. Non-logical error | **Q34.** | In BASIC language, which of the following is correct arithmetic expression?<br><br>A. A + 5<br>B. A – 5<br>C. A x 5<br>D. A = 5 |
| **Q35.** | In BASIC language, the output of arithmetic expression 10 \ 3 will be<br><br>A. 3.5<br>B. 3<br>C. 5.3<br>D. 7 | **Q36.** | Which of the following is the yield of 15 MOD 4?<br><br>A. 3<br>B. 3.75<br>C. 19<br>D. 11 |

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| **Q37.** | In BASIC language (3 + (9 * 1 – 3)) ^ 2 is equal to<br><br>A. 3<br>B. 18<br>C. 39<br>D. 81 | **Q38.** | In a BASIC program, to swap two values of A and B,<br>If C= A and A= B then B= ?<br><br>A. C<br>B. A<br>C. AB<br>D. AC |
| **Q39.** | 50 IF MARKS > 33 THEN PRINT “PASS” ELSE PRINT “FAIL”<br>According to the given statement, which of the following will print pass?<br><br>A. 23<br>B. 24<br>C. 33<br>D. 42 | **Q40** | READ, A, B and C DATA 1, 2, 3, 4, 5,<br>In the given BASIC statement the value of B will be<br><br>A. 1,2<br>B. 2,3<br>C. 2,4<br>D. 2,5 |

# GRADE – VIII MODEL PAPER 2017

## COMPUTER EDUCATION

| Section B: Constructed Response and Extended Response Questions<br>Time: 2 hours 10 minutes Marks: 60 | Roll No. | | | | | | |
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**ہدایات:**

1. ہر سوال کا جواب دینا ضروری ہے۔ 2. جواب دینے سے پہلے سوال کو غور سے پڑھیں۔ 3. سوال کا جواب دی گئی جگہ پر تحریر کریں۔

### Constructed Response Questions

**Q1.** Enlist FOUR functions of network interface card. (Total 4 Marks)

**Q2.** What is GPS? Write THREE advantages of a GPS device. (Total 4 Marks)

**Q3.** What is antivirus? Name any THREE antivirus software. (Total 4 Marks)

**Q4.** Enlist FOUR ways of spreading virus. (Total 4 Marks)

**Q5.** Mention FOUR purposes of spreadsheet. (Total 4 Marks)

**Q6.** Write TWO features of each: workbook and worksheet. (Total 4 Marks)

Workbook

1. _____

2. _____

Worksheet

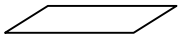
1. _____

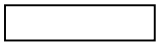
2. _____

**Q7**. Define row and column and give an example of each. (Total 4 Marks)

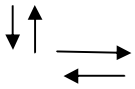
**Q8.** What is editing? Describe the procedure of editing the content of a cell in spreadsheet. (Total 4 Marks)

**Q9.** Write down the purpose of the given flowchart symbols. (Total 4 Marks)

(i) Parallelogram 

(ii) Rectangle 

(iii) Diamond

(iv) Flow line 

**Q10.** Draw a flowchart to find the area of a circle. (Total 4 Marks)

**Q11.** In BASIC program, find out the sum and average for four numbers. (Total 4 Marks)

**Q12.** Write the BASIC-code for the given output. (Total 4 Marks)

Enter 1st value? 2

Enter 2nd value? 4

SUM = 6

## Extended Response Questions

**Q13.** Define THREE types of computer network. (Total 6 Marks)

**Q14.** Differentiate between syntax and logical error with the help of ONE example each.

(Total 6 Marks)

| S. No. | Syntax Error | Logical Error |
|---|---|---|
| 1 | | |
| 2 | | |
| | Example: | Example: |