**2024-2025-o‘quv yilida ixtisoslashgan maktab 11-sinf o‘quvchilarining III chorakda**

**informatika va axborot texnologiyalari fanidan o‘zlashtirish darajasini aniqlash uchun**

**BSB topshiriqlari**

**III chorak 3-BSB (2-variant)**

**Jami:** [**50 ball**]

**1-topshiriq.**

Serverdan foydalanuvchi qurilmasiga 500 Mbayt hajmdagi video yuklab olinmoqda. Faylning birinchi 200 Mbayt qismi 4 daqiqada, keyingi 150 Mbayt qismi esa 2,5 daqiqada yuklab olindi. Agar qolgan fayl qismi 12 Mbit/sekund tezlikda yuklab olingan bo‘lsa, umumiy yuklab olish tezligi (Mbayt/sekund) qancha bo‘lgan?

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**2-topshiriq.**

Ma’lumki, kompyuter tarmog‘ida turli xildagi serverlardan foydalaniladi. Quyida berilgan server turlariga ta’rif bering va tarmoqdagi vazifasini yozing.

1) Pochta serveri \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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2) Proksi server \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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3) Print server \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**3-topshiriq.**

Kompyuter tarmog‘ida vujudga kelishi mumkin bo‘lgan **tarmoq xavfsizligi muammolari**dan ixtiyoriy 2 tasiga ta’rif bering va ularning ishlashini tushuntiring.

1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**4-topshiriq.**

Jismoniy tarbiya o‘qituvchisi maktabda 9-, 10- va 11-sinflar o‘rtasida futbol sport turidan “Direktor kubogi” sport musobaqasi tashkil qilmoqchi. Musobaqaga tayyorlanish va o‘tkazish jarayonlarini Gantt diagrammasi yordamida rejalashtiring. Quyidagi ko‘rsatmalarga amal qiling:

a) Musobaqaga tayyorlash va musobaqani o‘tkazish mart-may oylarida o‘tkazilishi kerak.

b) Musobaqa saralash bosqichi, 1/8 final, chorak final, yarim final va 1 ta finaldan tashkil topishi kerak;

c) Diagrammani chizish uchun **task04.docx** jadvalini chop etib, chizish ishlarini bajaring.

**5-topshiriq.**

Kompyuter yordamida dizayn yaratish(CAD)ning 3 tadan afzallik va kamchiliklarini yozing.

*Afzalliklari:*

1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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*Kamchiliklari:*

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**Baholash mezoni**

**Jami:** [**50 ball**]

**1-topshiriq.**

1) masalani to‘g‘ri ishlay olsa va yechimga olib boruvchi qadamlarni ko‘rsata olsa **8 ball**;

2) faqat masalaning yechimini ko‘rsatsa **4 ball**;

3) masalani to‘g‘ri ishlay olmasa **0 ball**;

**Jami:** [**8 ball**]

**2-topshiriq.**

1) to‘g‘ri ta’riflangan va tarmoqdagi vazifasi aniq tushuntirib berilgan har bir server turi uchun **4 ball**;

2) server turlarini ta’riflashda yoki vazifasini izohlashda kamchiliklarga yo‘l qo‘ysa **2 ball**;

3) noto‘g‘ri javoblar uchun **0 ball**;

**Jami:** [**12 ball**]

**3-topshiriq.**

1) to‘g‘ri bajarilgan har bir band uchun **4 ball**;

2) noto‘g‘ri bajarilgan har bir band uchun **0 ball**;

**Jami:** [**8 ball**]

**4-topshiriq.**

1) topshiriqni to‘g‘ri va to‘liq baja olsa **10 ball**;

2) topshiriqni bajarishda kichik kamchiliklar bo‘lsa **6-8 ball**;

3) topshiriqni bajarishda qo‘pol kamchiliklar bo‘lsa, ko‘rsatmalarga amal qilinmasa **2-4 ball**;

4) topshiriqlarni bajara olmasa **0 ball**;

**Jami:** [**10 ball**]

**5-topshiriq.**

1) to‘g‘ri javob berilgan har bir band uchun **2 ball**;

2) noto‘g‘ri javob berilgan har bir band uchun **0 ball**;

**Jami:** [**12 ball**]